



# CATALOGUE 2022-24

## LABORATORY GLASSWARE, INSTRUMENTS & ACCESSORIES



**GLASSCO LABORATORY EQUIPMENTS PVT. LTD.**

# From the MD's Desk

**Mr. Sameer Jain**  
(Managing Director)



We are delighted to introduce the 2022-23 edition of the Glassco catalogue.

Glassco is a producer of high-quality Lab Glassware and Instruments for more than 50 years and exporting to 80 countries. We export a wide range of standard glassware, according to DIN, JIS, ISO, and Astm standards from one production facility with more than 1000 employees.

Recently, we started manufacturing **Disposable Glassware like Test Tubes, Pasteur Pipettes, Culture Tubes, and Chromatography Vials**, having a capacity of producing more than one million pieces a day.

For our scientific benchtop instruments which are sold under the **DAN LOGITECH** brand we have added new instruments and also come up with the new designs for our existing model.

(Check for this in our instrument section)

We are proud to assert that Glassco is the first company to enable QR Code on the lab glass, which helps the users access all relevant information about the product within a fraction of seconds by simply scanning the code through their smartphones. Offering a QR Code on our volumetric flasks adds up to our innovation portfolio. This enables our customers to download individual certificates for our products. QR code is also available in this catalogue, which, when scanned, leads you to the website for any additional information on the products or quick buys.

Glassco has signed an agreement with Caliber Software Company having more than 250 installations in Pharma Companies. Their software is compatible with our QR coded Volumetric Glassware. Offering a QR Code on our Volumetric Flasks amplifies our portfolio and enables the customers to download individual certificates for our products.

A good alliance with our customers helps us understand their product-related needs and provide the best solution in the shortest period. If you have any specific market requirements for the product, we would be happy to make that for you as per your design and application . You can also visit our website, **[www.glasscolabs.com](http://www.glasscolabs.com)**, or contact us at **[info@glasscolabs.com](mailto:info@glasscolabs.com)**.



# Semi Automatic Production Plant



## GLASSCO LABORATORY EQUIPMENTS

**Glassco** is the most prominent Indian exporter of scientific labware, shipping more than 600 containers of glassware annually. These are manufactured under **ISO / ASTM / DIN / USP & NABL** Standards. Along with glassware, we provide an allied line of products and accessories used in laboratory applications such as **Plasticware, Rubberware, Metalware, Liquid Handling Instruments, and Lab Instruments.**



Interchange Glassware



Volumetric Glassware



Filtration Glassware



General Glassware

## ALLIED PRODUCTS & ACCESSORIES



Plastic Ware



Metal Ware



Rubber Ware



Misc.



Instruments



Micropipette



# Disposable Glassware Plant



## GLASSCO LABORATORY EQUIPMENTS PLANT

Glassco employs more than 85 glassblowers working on Automatic & Semi Automatic machines, making a variety of products. We have a complete line of production for Beakers, Flasks, Joints and Flanges. More than 28 glassblowers are involved in making high precision glass like, Condensers, Adapters and Assemblies of various kind. Recently Glassco has started a disposable glassware plant with capacity of making 1 million pcs/day, which includes **Test tube, Vials, & Pasteur Pipettes.**

## Automatic Production

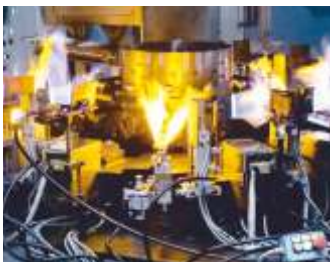
Glassco updates machines to the latest technology available and also does in-house innovations. Since 2006, there has been a continuous addition of new automatic machines, making the product's quality even better and increased production capacity.



AUTOMATIC CYLINDER FORMING MACHINE :  
800 pcs per shift



AUTOMATIC JOINT FORMING MACHINE :  
2000 pcs per shift



AUTOMATIC FLASK FORMING MACHINE :  
800 pcs per shift



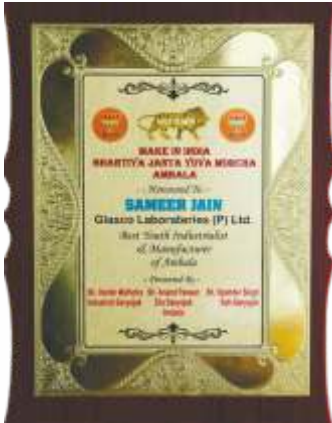
TEST TUBE MACHINE :  
4000 pcs per shift



BEAKER MACHINE :  
6000 pcs per shift

# Awards

Awarded under  
**“MAKE IN INDIA”**  
 programme (2011)



Awarded best Exporters  
 of India by “CAPEXIL”  
 (Govt of India)



**FINALIST IN THE  
 INNOVATION GALLERY**



**2018**



**2005**



**2007**



**2012**



**2013**



**2020**



# Production & Process

## Fabrication

### RAW MATERIAL

- Tubing of ASTM E- 438 TYPE I, CLASS A BORO 3.3 GLASS.
- We import 450 MT of glass tubes annually.
- We have a minimum stock of 4 months at any point in time, which is more than 80 tonnes of glass tubing.



**Raw Material**



**Raw Material Tubing**

### COMPUTERISED GLASS FORMING MACHINE

- Computer-controlled joint making machines gives added leverage for precise sockets, cones, rims, and flanges.
- Automatic joint making machines ensures consistent quality of joints. All the products are placed under conveyor ovens for annealing / de-stressing that runs round the clock.



**CNC MACHINE : For special custom made products.**



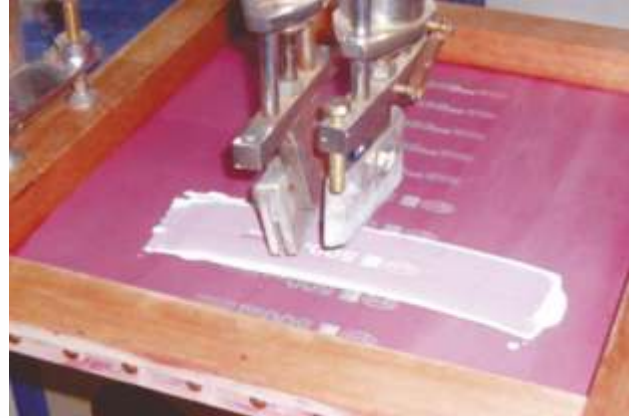
**ANNEALING LEHRS**

# Production & Process

## Infrastructure

### PRINTING MACHINE

- Helps print in bulk without compromising on the quality



### ULTRASONIC WASHING MACHINE

- Glassco uses state-of-the-art ultrasonic washing machine after the grinding process which is developed and designed in-house to wash up to 5,000 pieces in 8 hours.
- For running the complete manufacturing facility, a custom-made software is used.



Grinding Machine



Hand Polishing being done



Washing Machine

### WAREHOUSE

- Our 8000m<sup>2</sup> warehouse facility enables us to deliver quality products in the shortest amount of lead time.
- We have an approximate 10000 pallet position in our warehouse.

### FINISHED GOODS AREA



# Production & Process

## Calibration Lab

### CALIBRATION LABORATORY

- We house the German calibration machines enabling 0.003% accuracy and an A-class tolerance.
- Our automatic quality control verifies Burettes, Pipettes & Flasks.
- Each & Every glassware has its calibration certificate.



QUALITY CONTROL CENTRE MACHINE



LARGE VOLUME CALIBRATION LAB MACHINE



SMALL VOLUMETRIC CALIBRATION LAB MACHINE



PIPETTE CALIBRATION MACHINE

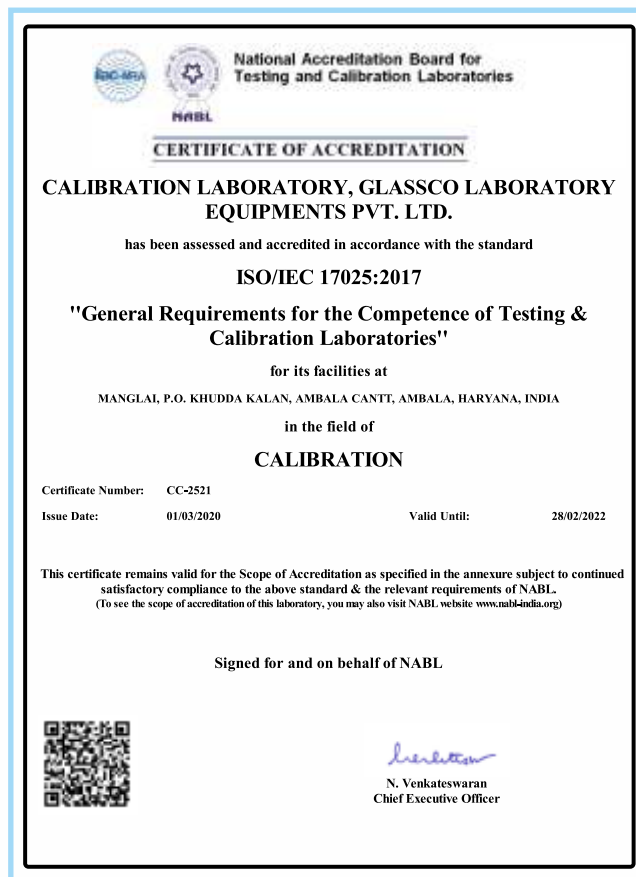
**Glassco** has undertaken accreditation for its system for calibration and testing as per **ISO 17025:2017**.

Our calibration lab is **NABL** approved. **NABL** has an MRA under the Asia Pacific Laboratory Accreditation Cooperation (**APLAC**), and the International Laboratory Accreditation Cooperation (**ILAC**), which means the calibrated glassware is acceptable in laboratories worldwide.

Results of calibration are guaranteed for precision as per **DIN, ISO, USP & ASTM** standards.

The calibrations performed by **Glassco** are done under **ISO 17025:2017**.

Please visit our website **www.glasscolabs.com** to see our accreditation





# Certificates

## Quality Policy

### QUALITY POLICY

Glassco strives to produce and supply laboratory products at affordable prices that meet or exceed customer's expectations, with timely deliveries. We achieve this by obtaining customer feedbacks of our performance and making relevant changes in our management system for continual improvement.

### QUALITY MANAGEMENT SYSTEM

Glassco strives to produce and supply laboratory products at affordable prices that meet or exceed customer's expectations with timely deliveries.

We achieve this by obtaining customer feedback on our performance and making relevant changes in our management system for continual improvement.

Glassco believes in delivering world-class quality to all its clients globally and is recognized in the International market for a quality brand.

The Quality Management system at Glassco is ISO 9001:2015 certified by Intertek accredited to UKAS. Glassco maintains a Quality System manual for all its business processes and at all manufacturing and post-manufacturing levels. The quality system strictly adheres to people supervising work affecting quality at Glassco, are trained internal auditors, and carry out internal audits in routine practice.



## CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

### Glassco Laboratory Equipments Pvt. Ltd.

Main Site: Manglai, P.O. Khudda Kalan, Ambala Cantt - 133004, Haryana, India

has been registered by Intertek as conforming to the requirements of:

### ISO 45001:2018

Certified to OHSAS 18001:2007 from 23 October 2015 to 13 October 2021.

The management system is applicable to:

Manufacture of Glassware for use in General & Pharmaceutical Laboratories.

Certificate Number: 8101  
 Initial Certification Date: 23 October 2015  
 Date of Certification Decision: 13 October 2021  
 Issuing Date: 25 November 2021  
 Valid Until: 22 October 2024



**Calin Moldovean**  
 President, Business Assurance


Intertek Certification Limited, 10A Victory Park, Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS accredited body under schedule of accreditation no. 014.





In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at certificate.validation@intertek.com or by scanning the code to the right with a smartphone. The certificate remains the property of Intertek, to whom it must be returned upon request.



## CERTIFICATE OF REGISTRATION

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### Glassco Laboratory Equipments Pvt. Ltd.

Main Site: Manglai, P.O. Khudda Kalan, Ambala Cantt -133004, Haryana, India


has been registered by Intertek as conforming to the requirements of:

### ISO 9001:2015

The management system is applicable to:

Manufacture of Glassware for use in General & Pharmaceutical Laboratories.


Certificate Number: IPK-0039.06  
 Initial Certification Date: 30 June 2017  
 Date of Certification Decision: 24 February 2020  
 Issuing Date: 25 February 2020  
 Valid Until: 24 April 2023




**Calin Moldovean**  
 President, Business Assurance

Intertek Certification Limited, 10A Victory Park, Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS accredited body under schedule of accreditation no. 014.





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# Tests & Checks

## 7 Steps to Quality

### For GLASSCO, Quality is the foundation in all the production

1. Quality plan for communication with customers
2. Quality in translating customers requirements (to our objectives) Products
3. Quality of raw material, including accuracy of semi finished and in process material
4. Quality in plant setup, including, trained manpower, machinery updates & technology
5. Quality in calibration of volumetric glassware
6. Quality in customer services
7. Analysis of all processes, both quantifiable and quality.



### Tests & Checks

Glassco carries out measurement check with gauges and calipers for all the products produced in house

### Glass stress-free

Glassco has five conveyer ANNEALING LEHRS where all the products are annealed to remove manufacturing stress from glass to ensure product durability and strength. We have four stress viewers installed at different locations of the processing.



### Wall strength/thickness

Glassco uses two thickness testers for testing thickness of glass products to ensure thickness acceptable by the norms of ASTM/DIN/ISO standards which ensures products used are safe & durable.



# About us

## Quality

### Optical Clarity

Glassco verifies the optical clarity of all the products 100% . This is done twice first when the product is produced and second before the product is packed to ship.



### Fit testing for joints

The taper of the cones and sockets are verified by gauges and taper test tools before further processing, to check that the joints are secured of leaks.



### Vacuum testing of mating joints

Mating joints are tested under a vacuum to verify that the taper are even and no leaks exist.



### Print color adhesion test

Printing on the glass is tested for colour adhesion by subjecting them to acid boiling, scratch and tape peel off test.





## Glassco's Mission

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Glassco strives to be recognized as one of the most innovative company in the field of Laboratory Glassware & Instruments for its excellent quality & innovative designs that have become industry standard. We want to constantly adapt & develop new technologies to set us apart from our competitors.

## Glassco's Vision

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To be the first choice of its customers & users. Maintain & provide excellent Quality, Value & Convenience. We aspire to keep exploring our opportunities by introducing new products to our portfolio with a vision to become a '**One Stop Shop**' for our customers.

# Volumetric Glassware

All volumetric glassware requires high precision and accuracy and to achieve that controlled conditions for calibrating volumetric glassware go through automatic calibration machines which is the German state of the art technology imported from Germany.

**Glassco's** Calibration Laboratory has undertaken accreditation for its system for calibration and testing as per **ISO 17025:2005**.

**Glassco's** Calibration Laboratory is **NABL** approved. **NABL** has a MRA under the Asia Pacific Laboratory Accreditation Cooperation (**APLAC**) and the International Laboratory Accreditation Cooperation (**ILAC**), which means the calibration provided to customers for volumetric ware is acceptable in calibration laboratories worldwide.

The calibrations performed by **Glassco** calibration laboratory are essential done under **ISO 17025:2005**

## NABL Certificate

|   |  |  |
|---|--|--|
|    |     | <b>National Accreditation Board for<br/>Testing and Calibration Laboratories</b> |
| <b>CERTIFICATE OF ACCREDITATION</b>   |  |  |
| <b>CALIBRATION LABORATORY, GLASSCO LABORATORY<br/>EQUIPMENTS PVT. LTD.</b>  |  |  |
| has been assessed and accredited in accordance with the standard  |  |  |
| <b>ISO/IEC 17025:2017</b>   |  |  |
| <b>"General Requirements for the Competence of Testing &amp;<br/>Calibration Laboratories"</b>  |  |  |
| for its facilities at   |  |  |
| MANGLAI, P.O. KHUDDA KALAN, AMBALA CANTT, AMBALA, HARYANA, INDIA  |  |  |
| in the field of   |  |  |
| <b>CALIBRATION</b>  |  |  |
| Certificate Number:   | CC-2521  |  |
| Issue Date:   | 01/03/2020   | Valid Until: 28/02/2022  |
| This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.<br>(To see the scope of accreditation of this laboratory, you may also visit NABL website <a href="http://www.nabl-india.org">www.nabl-india.org</a> ) |  |  |
| Signed for and on behalf of NABL  |  |  |
|    |  |  |
|   | N. Venkateswaran<br>Chief Executive Officer  |  |

# Volumetric Glassware

## Types Of Calibration & Usage

Burettes and pipettes are calibrated to deliver (TD, EX) which means the delivered quantity of the liquid corresponds to the capacity indicated on the instrument.

- Fill the burette a little higher than zero marked at the top.
- Check for trapped air bubbles, tap the burettes lightly to remove these; drain the solution carefully to level zero.
- Fill more solution if the meniscus gone below the zero.
- Wipe off the drops at the tip of the burette.
- Open the stopcock very slowly and start titration.
- Do not touch the tip the container wall you are use.

When the color begins to change, stop titration and wait for 30 seconds as the waiting time of Class "AS" burettes.

## Pipettes

- Fill the liquid little above the volume mark.
- Wipe off the tip and wet area.
- Hold the pipette at the level and place the tip of the pipette to the wall of a vessel with a slight angle between contact point
- Drain the excess volume until meniscus reaches the calibration mark on the pipette. To use the pipette volume, place the tip to the wall of the vessel with a slight angle. Pay attention to clear the pipette completely. When the level of the liquid reaches the tip of the pipette, you have to wait a little as the waiting time (if the pipette is Class "AS") for say 5 seconds. When the waiting time is over, wipe of f the pipette tip by pulling it upwards along the wall of the vessel. If there is still any residual liquid left in the tip, leave it as it is.

**Flasks and cylinders is calibrated to contain TC, IN which means the contained quantity of the liquid corresponds to the capacity indicated on the instrument.**

## Volumetric Flasks

These are calibrated "to contain". These are very precisely calibrated. Fill the volumetric flask with distilled water with a funnel to ensure that water is discharged below the meniscus line. Fill more distilled water until it reaches a bit below of the calibration ring mark. Add some more water in small volumes so that the meniscus will be exactly at the same level of the ring mark. To make accurate standard solution put precise weight of the substance in the flask. Shake the flask with stopper on.

## Measuring Cylinders

These are calibrated "to contain" and graduated to show different levels. Cylinders are mainly used for the exact measurement of liquids. First fill the liquid carefully, so that meniscus level will reach the desired volume mark. Add the precise weight of the substance and dissolve the substance by shaking the measuring cylinder. In ASTM standards cylinders are now calibrated "to deliver" (TD), also which has been recently introduced in cylinder section. Results of calibration are guaranteed for precision as per DIN, ISO, USP, & ASTM standards.



# Volumetric Glassware with certificate DE-M 18

Glassco's Volumetric Glassware now comes with new DE-M sign of the specific Year. Glassco's Glassware is conformity certified which confirms that all Class A Glassware are manufactured according to "EICH OR DNUNG" THE GERMAN FEDERAL WEIGHTS & MEASURES REGULATIONS. This sign of conformity is printed directly on the product according to DIN 12600

## Types of Certificate

### BATCH CERTIFICATE

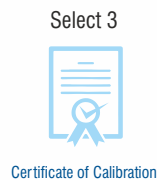
Volumetric flasks comes with a batch certificate in which mean value, standard deviation is incorporated along with batch number like which signifies the month 01 and 10 is the years **01.10** This comes in a pack of 2 and comes along with the flask in the box you can also download it from [www.glasscolabs.com](http://www.glasscolabs.com) and by scanning the QR Code from the label of the box or from the volumetric flask.

### QR CODES !

Now On All  
Glassco Ware Cartons &  
QR-Coded Volumetric Flasks



Use your **Smartphone**  
with recommended App  
(Page XIV) to scan the  
QR Code on the  
box labels ...



### INDIVIDUAL CERTIFICATE

These flasks comes with a certificate on which individual serial number, mean value, standard deviation and measured uncertainty is given along with the batch number and serial number like 01.10 (Month and year of manufacturing) **01.10505** 505 (serial number) This comes in a pack of one and each flask is having a certificate with it in the box you can also download it from [www.glasscolabs.com](http://www.glasscolabs.com) and by scanning the QR Code from the label of the box or from the volumetric flask.

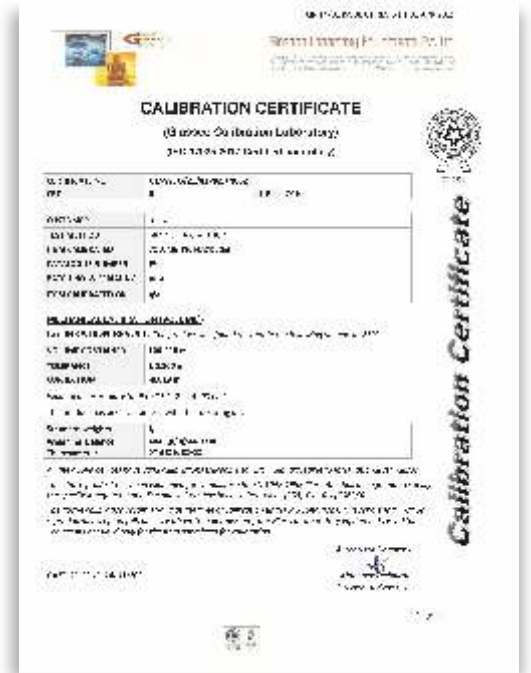
For Ordering QR Coded printed flask please look at volumetric flask section from page no. 134 to 150

## USP Glassware

All the volumetric glassware or measuring instruments to be used in laboratories which are under surveillance of US authorities such as Food and Drug Administration (FDA), have a mandatory requirement to use products which adhere to standards set by US PHARMACOPEIA. The USP standard has some deviation from DIN, ISO standards. The products that fall under this category are

- Measuring Pipettes • Measuring Cylinder
- Volumetric Pipettes • Volumetric Flasks

All the products mentioned above have tighter tolerances compared to ISO standards.




## Usp Individual Certificate

**GLASSCO** has recently launched its **USP** grade (**UNITED STATES PHARMACOPIA**) standard flasks with also comes with a certificate on which individual serial number, mean value, standard deviation and measured uncertainty is given along with the batch number and serial number like 01.10 ( Month and year of manufacturing ) 605 (serial number). This comes in a pack of one and comes along with the flask in the box you can also download it from [www.glasscolabs.com](http://www.glasscolabs.com) and by scanning the QR Code from the label of the box.

## NABL Calibration Certificate

This certificate is issued by NABL calibration Laboratory at Glassco NABL by virtue of its collaboration with (APLAC) Asia Pacific Laboratory Accrediting Cooperation & (ILAC) International Laboratory Accreditation. NABL Calibration Certificate is internationally recognized. Both the instrument & Certificate shows the individual serial number & the Certificate no.

|                |
|----------------|
| <b>NABL</b>    |
| <b>CC-2521</b> |
| <b>505</b>     |
| <b>01.10</b>   |



OR 1401 ISSUE 01 REV 3 07 01 APR 2019

**Glassco Laboratory Equipments Pvt. Ltd**

**CALIBRATION CERTIFICATE**  
(Glassco Calibration Laboratory)  
(ISO 17025:2017 Certified Laboratory)  
(USP-STANDARD)

|                        |                           |                |           |
|------------------------|---------------------------|----------------|-----------|
| CERTIFICATE NO         | GLASSCO/21/03-245/7130    |                |           |
| CRF                    | 24500032021               | CAL REPORT NO. | 21/03-245 |
| CUSTOMER               | LCP-5964                  |                |           |
| TEST METHOD            | GRAVIMETRIC METHOD        |                |           |
| ITEM CALIBRATED        | VOLUMETRIC FLASK : 200 ml |                |           |
| CATALOGUE NUMBER       | QR_130_523_06             |                |           |
| BATCH NO. & SERIAL NO. | 01.217130                 |                |           |
| ITEM CALIBRATED ON     | 10/03/2021                |                |           |

**CALIBRATION RESULT :**  
The product was found to contain the following volume at 20°C

|                  |            |
|------------------|------------|
| VOLUME CONTAINED | 200.063 ml |
| TOLERANCE        | ±0.100 ml  |
| CORRECTION       | -0.063 ml  |

Expanded uncertainty (at 95% C.L.k=2) is ±0.006 ml

The product has been calibrated with the following devices:

|                  |                               |
|------------------|-------------------------------|
| Standard weights | 200 g                         |
| Weighing Balance | ABAL-23.420g/0.001 g(METTLER) |
| Thermometer      | DM-08, 50°C to 300°C,0.1°C    |

All the above devices have valid calibrations traceable to NPL, India; traceable to international standards.  
The above product has been examined for compliance to USP Class-A, it has been found to satisfy the specified requirements. The above item has been calibrated at (25±3)°C at RH (60±25)%.  
The above calibration result is valid at the time of calibration under lab conditions. This report shall not be reproduced, except in full, unless with written permission from Glassco Laboratory Equipments Pvt. Ltd.

Authorised Signatory



Manager Technical  
(Yogendra Panwar)

DATE OF ISSUE:10/03/2021  
This is an electronically generated certificate.




[www.glasscolabs.com](http://www.glasscolabs.com)



OR 1401 ISSUE 01 REV 3 07 01 APR 2019

**Glassco Laboratory Equipments Pvt. Ltd**

**CALIBRATION CERTIFICATE**  
(Glassco Calibration Laboratory)  
(ISO 17025:2017 Certified Laboratory)

|                        |                           |                |           |
|------------------------|---------------------------|----------------|-----------|
| CERTIFICATE NO         | GLASSCO/21/03-245/7130    |                |           |
| CRF                    | 24500032021               | CAL REPORT NO. | 21/03-245 |
| CUSTOMER               | LCP-5964                  |                |           |
| TEST METHOD            | GRAVIMETRIC METHOD        |                |           |
| ITEM CALIBRATED        | VOLUMETRIC FLASK : 200 ml |                |           |
| CATALOGUE NUMBER       | QR_130_523_06             |                |           |
| BATCH NO. & SERIAL NO. | 01.217130                 |                |           |
| ITEM CALIBRATED ON     | 10/03/2021                |                |           |

**CALIBRATION RESULT :**  
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|                  |                               |
|------------------|-------------------------------|
| Standard weights | 200 g                         |
| Weighing Balance | ABAL-23.420g/0.001 g(METTLER) |
| Thermometer      | DM-08, 50°C to 300°C,0.1°C    |

All the above devices have valid calibrations traceable to NPL, India; traceable to international standards.  
The above product has been examined for compliance to USP Class-A, it has been found to satisfy the specified requirements. The above item has been calibrated at (25±3)°C at RH (60±25)%.  
The above calibration result is valid at the time of calibration under lab conditions. This report shall not be reproduced, except in full, unless with written permission from Glassco Laboratory Equipments Pvt. Ltd.

Authorised Signatory



Manager Technical  
(Yogendra Panwar)

DATE OF ISSUE:10/03/2021  
This is an electronically generated certificate.




[www.glasscolabs.com](http://www.glasscolabs.com)

\* For ordering all NABL certified glassware, please use middle no. 405

# Volumetric Glassware with QR-Code



Quick Scan  
QR Code Reader



NEOREADER



QR Code  
Reader

**Glassco** has launched its QR coded volumetric flasks attaining the **ASTM, ISO** and **ASTM** standards. This is available for both, individual certified volumetric flasks and batch certified volumetric flasks. All the volumetric flasks are made from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS which is chemically inert and thermal shock resistant. All Volumetric wares are calibrated exceeding the demands of applicable standards. As all the manufacturers worldwide normally include the batch / individual certificate in the pack and may have been lost while using the glassware, the only option left for you is to either contact the manufacture or to make a endless efforts to go on the manufacturers website, locate the applicable link and download the certificate . To make it most convenient for you, now with the **GLASSCO QR coded volumetric flasks** all you have to do is scan the QR CODE from your mobile with **QR code scanner (NeoReader)** and it will not only give you certificate of calibration (**individual /batch**) but will also give you information of certificate of compliance and the products user manual.



# Volumetric Glassware with Qr-code

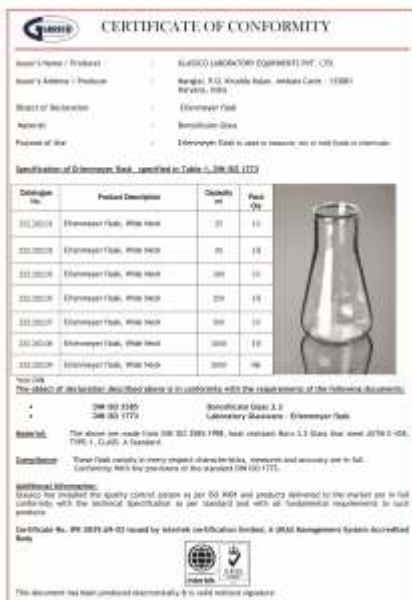


Use your  
Smartphone  
to scan the QR Code  
on the box labels ...

FROM HERE  
YOU GET

Certificate of  
conformity

User  
manual



User Manual



**A Glass Apart**

|                                |   |                |
|--------------------------------|---|----------------|
| <b>Adapters</b>                | Flange Septa   Screw Thread   | <b>21-49</b>   |
| <b>Beakers</b>                 | Low Form/Tall Form, PP Euro Design, Tong SS & Brush   | <b>50-54</b>   |
| <b>Bottles</b>                 | Reagent, Screw Cap, Brush, Wash PP, Wide Mouth  | <b>55-76</b>   |
| <b>Burettes</b>                | With Glass, PTFE, Needle Stopcock, Automatic, Clamp, Chloroform Bellow, Brush                                     | <b>77-96</b>   |
| <b>Columns</b>                 | Chromatography  | <b>97-101</b>  |
| <b>Condensers</b>              | Coil, Air, Leibig, Allihin, Dimroth, Fridrichs, & Reflux  | <b>102-108</b> |
| <b>Crucibles</b>               | Euro Design, Quartz, Silica, Tong, Holder & Filter Crucible   | <b>109-112</b> |
| <b>Cylinders</b>               | Hexa/Round/PP Base, DIN/ISO/USP, PP & Brush   | <b>113-126</b> |
| <b>Desiccator</b>              | Plain & Vacuum  | <b>127-128</b> |
| <b>Dishes</b>                  | Crystallizing, Disposable, Euro Design, Pastle & Mortar   | <b>129-132</b> |
| <b>Disposable</b>              | Boro Glass 5.1 & 7.0 with screw cap, Pasteur Pipettes   | <b>133-135</b> |
| <b>Distillation</b>            | Graham, Friedrichs, Alcohol Dist., Clevenger, Dean & Stark  | <b>136-144</b> |
| <b>Extraction Apparatus</b>    | Extractor, Soxhlet, Allihin & Dimroth   | <b>145-147</b> |
| <b>Filtration</b>              | All-Glass Filter with 47mm & 90 mm Disc. Filters  | <b>148-155</b> |
| <b>Flasks</b>                  | Erlenmeyer, Conical, Pear Shape, kjeldahl, PP, Filter   | <b>156-184</b> |
| <b>Flasks, Volumetric</b>      | USP, DIN, ASTM, ISO, NABL, PP, Stoppers   | <b>185-203</b> |
| <b>Funnels</b>                 | Buchner, Squibb, Globe, Dropping, Gilson, Pear  | <b>204-226</b> |
| <b>Instruments</b>             | Hotplate, Stirrer, Shaker, Heating Mantle (Digital Analog, Centrifuge, Mixer, Water & Oil Bath, Soil & pH Testers | <b>227-260</b> |
| <b>Joints</b>                  | Cone, Socket, Spherical Joint   | <b>261-263</b> |
| <b>Lab Essentials</b>          | Gloves, Slides, Glass Stirrer, Boxes, Jars  | <b>264-271</b> |
| <b>Liquid Handling</b>         | Micropipettes, Tips, Rack, Trays, BTD   | <b>272-280</b> |
| <b>Metalware</b>               | Retort Stand, Ring, Clamp, Bosshead, Burner, Spatula  | <b>281-295</b> |
| <b>Pipettes</b>                | Pasteur, Serological, Volumetric, Mohr, PP, Box, Pump, Bulb, Stand, Controller                                    | <b>296-312</b> |
| <b>Quartzware</b>              | Beaker, Dish, Flask, Volumetric Flask, Funnel   | <b>313-315</b> |
| <b>Rubberware</b>              | Tube, Cork, Silicon, Euro Design, Tubing, Teats, Sheet  | <b>316-323</b> |
| <b>Stopcock &amp; Stoppers</b> | PTFE, Glass, Detachable, Penny Head & PE  | <b>324-328</b> |
| <b>Tube</b>                    | Round/Flat Bottom, Reusable, Culture, Reaction, Brush   | <b>329-348</b> |
| <b>Utility Set</b>             | Organic Chemistry Set   | <b>349-350</b> |
| <b>Vials</b>                   | Screw Neck, TOC, Cryo, Rack, Box, Storage, Sv5  | <b>351-354</b> |
| <b>Water Distillation</b>      | Single, Double, Quartz Boiler, Softner  | <b>355-362</b> |



# Adapter

- Adapters come with interchangeable joint, widely used in a laboratory to assemble apparatus.
- All adapters come in different shapes and sizes which are manufactured from **ASTM E 438 TYPE 1 Class A Boro 3.3 Glass** that meets **DIN/ISO 3585 & USP Type I requirement**

## Adapter, Bushing with Drip Tip

- Thick wall and reinforced rim.
- Outside of the bushing has a full length and the inside has a smaller length.
- For compact assembly of dissimilar joints



Buy Now!

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 013.230.00 | 10/19       | 14/23     | 10      |
| 013.230.01 | 14/23       | 19/26     | 10      |
| 013.230.02 | 19/26       | 29/32     | 10      |

## ASTM Sizes



Buy Now!

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 013.478.01  | 14/20       | 19/22     | 1       |
| 013.478.01A | 14/20       | 24/40     | 1       |
| 013.478.02  | 14/35       | 24/40     | 1       |

## Adapter, Reduction

- Complies as per **DIN 12257**
- Small size socket at top & big size cone at bottom



Buy Now!

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 013.202.01* | 14/23       | 14/23     | 10      |
| 013.202.01A | 14/23       | 19/26     | 10      |
| 013.202.02* | 14/23       | 24/29     | 10      |
| 013.202.03  | 14/23       | 29/32     | 10      |
| 013.202.04* | 19/26       | 24/29     | 10      |
| 013.202.05  | 19/26       | 29/32     | 10      |
| 013.202.06* | 19/26       | 34/35     | 10      |
| 013.202.07* | 19/26       | 40/38     | 10      |
| 013.202.08* | 19/26       | 45/40     | 10      |
| 013.202.09* | 19/26       | 55/44     | 10      |
| 013.202.10* | 24/29       | 29/32     | 10      |
| 013.202.11* | 24/29       | 34/35     | 10      |
| 013.202.12* | 24/29       | 40/38     | 10      |
| 013.202.13* | 24/29       | 45/40     | 10      |
| 013.202.14* | 24/29       | 50/42     | 10      |
| 013.202.15* | 24/29       | 55/44     | 10      |
| 013.202.16* | 29/32       | 34/35     | 10      |
| 013.202.17* | 29/32       | 40/38     | 10      |
| 013.202.18  | 29/32       | 45/40     | 10      |
| 013.202.19* | 34/35       | 40/38     | 10      |
| 013.202.20* | 34/35       | 45/40     | 10      |
| 013.202.21* | 34/35       | 50/42     | 10      |

\* Non DIN/ISO

## ASTM Sizes



Buy Now!

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 013.470.02A | 14/20       | 19/22     | 1       |
| 013.470.02  | 14/20       | 24/40     | 1       |
| 013.470.04  | 19/22       | 24/40     | 1       |
| 013.470.10  | 24/40       | 29/42     | 1       |
| 013.470.13  | 24/40       | 45/50     | 1       |

## Adapter, Expansion

- Complies as per **DIN 12257**
- Big size socket at top & small size at bottom

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 014.202.01  | 19/26       | 14/23     | 10      |
| 014.202.02* | 24/29       | 14/23     | 10      |
| 014.202.03* | 24/29       | 19/26     | 10      |
| 014.202.03A | 29/32       | 14/23     | 10      |
| 014.202.04  | 29/32       | 19/26     | 10      |
| 014.202.05* | 29/32       | 24/29     | 10      |
| 014.202.06* | 34/35       | 19/26     | 10      |
| 014.202.07* | 34/35       | 24/29     | 10      |
| 014.202.08* | 34/35       | 29/32     | 10      |
| 014.202.09* | 40/38       | 24/29     | 10      |
| 014.202.10* | 45/40       | 29/32     | 10      |

\* Non DIN/ISO

## ASTM Sizes

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 014.470.01  | 19/22       | 14/20     | 1       |
| 014.470.02  | 24/40       | 14/20     | 1       |
| 014.470.03  | 24/40       | 19/22     | 1       |
| 014.470.05  | 29/42       | 24/40     | 1       |
| 014.470.09A | 45/50       | 24/40     | 1       |



Buy Now!



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## Adapter, Multiple

- Complies as per **DIN 12594**
- Comes with two parallel necks with sockets & one cone at the bottom

| Item Code    | Socket Size | Cone Size | Pack of |
|--------------|-------------|-----------|---------|
| 015.202.01   | 14/23       | 14/23     | 1       |
| 015.202.01A* | 14/23       | 19/26     | 1       |
| 015.202.02   | 19/26       | 19/26     | 1       |
| 015.202.03*  | 19/26       | 24/29     | 1       |
| 015.202.04*  | 24/29       | 24/29     | 1       |
| 015.202.05*  | 19/26       | 34/35     | 1       |
| 015.202.06   | 29/32       | 29/32     | 1       |

\* Non DIN/ISO

## ASTM Sizes

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 015.470.01 | 14/20       | 14/20     | 1       |
| 015.470.03 | 19/22       | 19/22     | 1       |
| 015.470.04 | 24/40       | 24/40     | 1       |



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Buy Now!

# Adapter



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GLASS  
BORO  
3.3



## Adapter, Multiple

- Comes with two necks, one vertical & one at 45°, and one cone at the bottom

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 016.202.01  | 14/23       | 14/23     | 1       |
| 016.202.01A | 14/23       | 19/26     | 1       |
| 016.203.01B | 14/23       | 24/29     | 1       |
| 016.202.02  | 19/26       | 19/26     | 1       |
| 016.202.03  | 19/26       | 24/29     | 1       |
| 016.202.04  | 14/23       | 29/32     | 1       |
| 016.202.05  | 29/32       | 29/32     | 1       |

DIN  
12594



Buy Now!

GLASS  
BORO  
3.3



## Adapter, Multiple

- Designed from DIN 12594
- Comes with two vertical necks & one at 45°, and one cone at the bottom

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 017.202.01  | 19/26       | 19/26     | 1       |
| 017.202.01A | 19/26       | 24/29     | 1       |
| 017.202.02  | 19/26       | 29/32     | 1       |
| 017.202.03  | 24/29       | 24/29     | 1       |
| 017.202.04  | 29/32       | 29/32     | 1       |



## Adapter, Swan Neck

- Comes with screw thread for a thermometer and have a rubber hose

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 018.202.01  | 14/23       | 19/26     | 1       |
| 018.202.01A | 19/26       | 19/26     | 1       |
| 018.202.02  | 19/26       | 24/29     | 1       |
| 018.202.03  | 24/29       | 24/29     | 1       |
| 018.202.04  | 29/32       | 29/32     | 1       |



Buy Now!



## Adapter, Receiver Delivery

- With short stem, 105°
- Used to extend drip tip to receiver flask

| Item Code  | Socket Size | Approx Stem Length (mm) | Pack of |
|------------|-------------|-------------------------|---------|
| 019.202.01 | 14/23       | 65                      | 10      |
| 019.202.02 | 19/26       | 65                      | 10      |
| 019.202.03 | 24/29       | 65                      | 10      |
| 019.202.04 | 29/32       | 65                      | 10      |



Buy Now!



# Adapter

## Adapter, Receiver, Curved, 105°

- With Long Stem
- Used to extend drip tip to the receiver flask



Buy Now!

| Item Code  | Socket Size | Approx Stem Length (mm) | Pack of |
|------------|-------------|-------------------------|---------|
| 019.202.05 | 14/23       | 190                     | 10      |
| 019.202.06 | 19/26       | 200                     | 10      |
| 019.202.07 | 24/29       | 200                     | 10      |
| 019.202.08 | 29/32       | 200                     | 10      |

GLASS  
BORO  
3.3



Socket

## Adapter, Receiver, Straight

- Used to extend drip tip to the receiver flask



Buy Now!

| Item Code  | Socket Size | Pack of |
|------------|-------------|---------|
| 020.202.01 | 14/23       | 10      |
| 020.202.02 | 19/26       | 10      |
| 020.202.03 | 24/29       | 10      |
| 020.202.04 | 29/32       | 10      |

GLASS  
BORO  
3.3



Socket

## Adapter, Receiver Bend with Vent

- With Drip Tip, 105°
- With sidearm to provide vent to atmosphere
- Avoids the problem of closed system

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 021.202.01 | 14/23       | 14/23     | 1       |
| 021.202.02 | 19/26       | 19/26     | 1       |
| 021.202.03 | 19/26       | 24/29     | 1       |
| 021.202.04 | 24/29       | 24/29     | 1       |
| 021.202.05 | 29/32       | 29/32     | 1       |



Buy Now!



GLASS  
BORO  
3.3



ONE  
SOCKET

ONE  
CONE



## Adapter, Receiver, Plain Bend

- With Drip Tip, 105°
- Without vent
- Provides a simple vapor path between the flask & Distillation condensers

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 025.202.00  | 14/23       | 14/23     | 1       |
| 025.201.00A | 14/23       | 19/26     | 1       |
| 025.202.01  | 19/26       | 19/26     | 1       |
| 025.202.02  | 19/26       | 24/29     | 1       |
| 025.202.03  | 24/29       | 24/29     | 1       |
| 025.202.04  | 29/32       | 29/32     | 1       |



Buy Now!



GLASS  
BORO  
3.3



ONE  
SOCKET

ONE  
CONE



## ASTM Sizes

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 025.470.06 | 24/40       | 24/40     | 1       |



Buy Now!

# Adapter

## Adapter, Recovery Bend, Sloping End

- With Drip Tip, 75°



Buy Now!

| Item Code  | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|------------|------------------------|----------------------------|---------|
| 026.202.01 | 14/23                  | 14/23                      | 1       |
| 026.202.02 | 24/29                  | 14/23                      | 1       |
| 026.202.03 | 19/26                  | 19/26                      | 1       |
| 026.202.04 | 24/29                  | 19/26                      | 1       |
| 026.202.05 | 29/32                  | 19/26                      | 1       |
| 026.202.06 | 29/32                  | 29/32                      | 1       |
| 026.202.07 | 24/29                  | 24/29                      | 1       |
| 026.202.08 | 34/35                  | 24/29                      | 1       |
| 026.202.09 | 29/32                  | 24/29                      | 1       |
| 026.202.10 | 34/35                  | 34/35                      | 1       |

## ASTM Sizes



Buy Now!

| Item Code  | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|------------|------------------------|----------------------------|---------|
| 043.470.03 | 24/40                  | 24/40                      | 1       |

GLASS BORO 3.3

Chemical Resistant

TWO CONE

DRIP TIP

## Adapter, Receiver, Vacuum Straight

- Complies as per **DIN 12594**
- With Drip Tip & delivery stem within the cone
- Straight with Vacuum connection & Screw Thread Adapter



**DIN**  
12594



Buy Now!

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 022.202.01  | 14/23       | 14/23     | 1       |
| 022.202.02* | 14/23       | 19/26     | 1       |
| 022.202.02A | 19/26       | 19/26     | 1       |
| 022.202.03* | 19/26       | 24/29     | 1       |
| 022.202.04* | 24/29       | 24/29     | 1       |
| 022.202.05* | 24/29       | 29/32     | 1       |
| 022.202.06  | 29/32       | 29/32     | 1       |

\* Non DIN/ISO

## ASTM Sizes



Buy Now!

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 022.472.04S | 24/40       | 24/40     | 1       |

GLASS BORO 3.3

Chemical Resistant

TWO SOCKET

ONE CONE

Screw

DRIP TIP



## Adapter, Receiver, Vacuum Angled, 105°

- Complies as per **DIN 12594**
- With Drip Tip & delivery stem within cone
- Bend with Vacuum Connection & Screw Thread Adapter

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 022.201.01  | 14/23       | 14/23     | 1       |
| 022.201.02* | 14/23       | 19/26     | 1       |
| 022.201.03  | 19/26       | 19/26     | 1       |
| 022.201.04* | 19/26       | 24/29     | 1       |
| 022.201.05* | 24/29       | 24/29     | 1       |
| 022.201.06* | 24/29       | 29/32     | 1       |
| 022.201.07  | 29/32       | 29/32     | 1       |

\* Non DIN/ISO

## ASTM Sizes

| Item Code   | Socket Size | Cone Size | Pack of |
|-------------|-------------|-----------|---------|
| 022.471.01S | 14/20       | 14/20     | 1       |
| 022.471.03S | 19/22       | 19/22     | 1       |
| 022.471.05S | 24/40       | 24/40     | 1       |

## Adapter, Distillation 105°, Angled

- Fabricated from inner Drip tube inside cone at the bottom & a socket on the top

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 025.475.01 | 14/20       | 14/20     | 1       |



Buy Now!



**DIN**  
12594

GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
SOCKET

ONE  
CONE

Screw



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
SOCKET

ONE  
CONE

# Adapter

## Adapter, Receiver, Side Socket

- Cone with Drip Tip
- With One Side Inclined at an angle of 105°



Buy Now!

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 023.202.01 | 14/23       | 14/23     | 1       |
| 023.202.02 | 19/26       | 19/26     | 1       |
| 023.202.03 | 19/26       | 24/29     | 1       |
| 023.202.04 | 24/29       | 24/29     | 1       |
| 023.202.05 | 29/32       | 29/32     | 1       |

GLASS  
BORO  
3.3



TWO  
SOCKET



## Adapter, Receiver

- With Multiple Connections & Screw Thread
- Upto three flasks can be connected
- With side arm for connection to a vacuum supply
- With socket for connection to condenser
- One parallel & another at 45° angle



Buy Now!

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 024.202.01 | 14/23       | 14/23     | 1       |
| 024.202.02 | 14/23       | 19/26     | 1       |
| 024.202.03 | 19/26       | 19/26     | 1       |

GLASS  
BORO  
3.3



ONE  
SOCKET



## Adapter, Distilling Receiver, With Hose Connection

- Distribution Adapter, Cow-type design having three receivers spaced 40° apart
- Has 135° angle between the center line of the condenser and the receiver tubes
- This receiver can be used with short path style distilling heads
- Three receiver with cone & a glass hose connection for vacuum

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 024.471.03 | 24/40       | 24/40     | 1       |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
SOCKET

THREE  
CONE

Screw

## Adapter, Distilling Receiver, Without Hose Connection

- Distribution Adapter, Cow-type design having three receivers spaced 40° apart
- Has 135° angle between the center line of the condenser and the receiver tubes
- This receiver can be used with short path style distilling heads

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 024.470.01 | 14/20       | 14/20     | 1       |
| 024.470.02 | 24/40       | 24/40     | 1       |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
SOCKET

THREE  
CONE



Buy Now!

## Adapter, Distilling Cow Receiver

- With one female/socket joint and four cones with drip-tip male joints
- Flask 100 ml

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 024.475.01 | 14/20       | 14/20     | 1       |

GLASS  
BORO  
3.3



ONE  
SOCKET

FOUR  
CONE



Buy Now!

## Adapter, Recovery Bend, Vertical

- With Drip Tip
- Used in distillation assembly

| Item Code  | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|------------|------------------------|----------------------------|---------|
| 027.202.01 | 14/23                  | 14/23                      | 1       |
| 027.202.02 | 19/26                  | 19/26                      | 1       |
| 027.202.03 | 24/29                  | 19/26                      | 1       |
| 027.202.04 | 24/29                  | 24/29                      | 1       |
| 027.202.05 | 29/32                  | 29/32                      | 1       |

GLASS  
BORO  
3.3



TWO  
CONE





## Adapter, Still Head Plain

- Complies with DIN 12594
- With Drip Tip, 75°
- With Thermometer Socket
- Used in distillation assembly for connecting flask to condenser

| Item Code   | Socket Size | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|-------------|-------------|------------------------|----------------------------|---------|
| 028.202.01  | 14/23       | 14/23                  | 14/23                      | 1       |
| 028.202.02  | 14/23       | 19/26                  | 19/26                      | 1       |
| 028.202.03* | 14/23       | 24/29                  | 19/26                      | 1       |
| 028.202.04  | 14/23       | 29/32                  | 19/26                      | 1       |
| 028.202.05* | 14/23       | 34/35                  | 19/26                      | 1       |
| 028.202.06* | 14/23       | 24/29                  | 24/29                      | 1       |
| 028.202.07* | 14/23       | 34/35                  | 24/29                      | 1       |
| 028.202.08* | 14/23       | 29/32                  | 24/29                      | 1       |
| 028.202.09* | 14/23       | 29/32                  | 29/32                      | 1       |
| 028.202.10* | 14/23       | 34/35                  | 29/32                      | 1       |

\* Non DIN/ISO

## ASTM Sizes

| Item Code  | Socket Size | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|------------|-------------|------------------------|----------------------------|---------|
| 028.470.02 | 19/22       | 19/22                  | 19/22                      | 1       |
| 028.470.03 | 24/40       | 24/40                  | 24/40                      | 1       |
| 028.470.04 | 14/20       | 14/20                  | 14/20                      | 1       |



Buy Now!



Buy Now!

GLASS BORO 3.3

Chemical Resistant

ONE SOCKET

TWO CONE

DRIP TIP

## Adapter, Claisen Heads

- Complies with DIN 12594
- Sloping with 2 x B14 Socket, 75°
- Still heads but with extra socket to accept dropping funnel or stirrer etc

| Item Code   | Socket Size | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|-------------|-------------|------------------------|----------------------------|---------|
| 029.202.01  | 14/23       | 14/23                  | 14/23                      | 1       |
| 029.202.02* | 14/23       | 19/26                  | 19/26                      | 1       |
| 029.202.03* | 14/23       | 24/29                  | 19/26                      | 1       |
| 029.202.04* | 14/23       | 24/29                  | 24/29                      | 1       |
| 029.202.05* | 14/23       | 29/32                  | 29/32                      | 1       |
| 029.202.06* | 14/23       | 34/35                  | 24/29                      | 1       |

\* Non DIN/ISO



Buy Now!



GLASS BORO 3.3

Chemical Resistant

TWO SOCKET

TWO CONE

# Adapter



GLASS BORO 3.3

Chemical Resistant

ONE SOCKET

ONE CONE

DRIP TIP



Buy Now!

## Adapter, Splash Heads, Straight

- With Drip Tip
- Pear shape
- Used between flask & condenser to stop the movement of raw liquid

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 030.202.01 | 14/23       | 14/23     | 1       |
| 030.202.02 | 19/26       | 24/29     | 1       |
| 030.202.03 | 29/32       | 29/32     | 1       |

## ASTM Sizes



Buy Now!

| Item Code   | Cap. (ml) | Socket Size | Cone Size | Pack of |
|-------------|-----------|-------------|-----------|---------|
| 030.402.04A | 100       | 24/40       | 24/40     | 1       |



GLASS BORO 3.3

Chemical Resistant

TWO CONE



Buy Now!

## Adapter, Splash Heads

- Vertical, Pear shape, 105°
- Lower cone accepts flask & upper cone accepts condenser

| Item Code  | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|------------|------------------------|----------------------------|---------|
| 031.202.01 | 14/23                  | 14/23                      | 1       |
| 031.202.02 | 19/26                  | 19/26                      | 1       |
| 031.202.03 | 24/29                  | 19/26                      | 1       |
| 031.202.04 | 24/29                  | 24/29                      | 1       |
| 031.202.05 | 29/32                  | 29/32                      | 1       |

## Adapter, Splash Heads, Sloping

- With Drip Tip, 75°
- Pear Shape

| Item Code  | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|------------|------------------------|----------------------------|---------|
| 032.202.01 | 14/23                  | 14/23                      | 1       |
| 032.202.02 | 19/26                  | 19/26                      | 1       |
| 032.202.03 | 24/29                  | 19/26                      | 1       |
| 032.202.04 | 24/29                  | 24/29                      | 1       |
| 032.202.05 | 29/32                  | 29/32                      | 1       |



Buy Now!



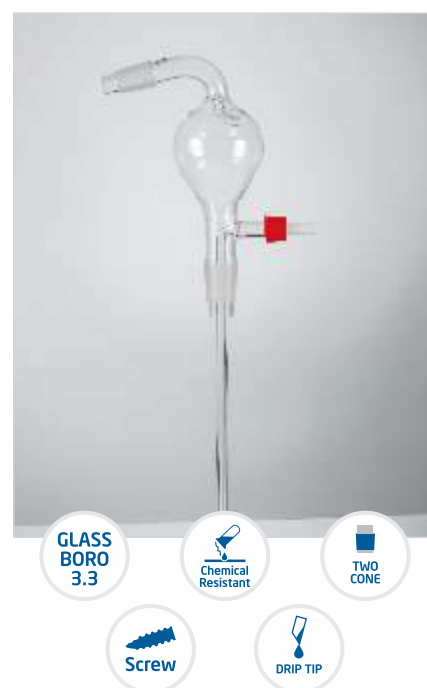
## Adapter, Steam Distillation Heads, Sloping

- With Drip Tip, 75°
- With screw thread
- With integral stem

| Item Code  | Cone Size to fit flask | Cone Size to fit Condenser | Pack of |
|------------|------------------------|----------------------------|---------|
| 033.202.01 | 24/29                  | 19/26                      | 1       |
| 033.202.02 | 34/35                  | 19/26                      | 1       |
| 033.202.03 | 34/35                  | 24/29                      | 1       |



Buy Now!



## Adapter, Splash Head, Rotary Evaporator

- For use with rotary evaporators
- Prevents contents of the flask from being drawn into the condenser
- Modified bump traps provide expanded volume from a reaction that have tendency of excessive foam.



Buy Now!

| Item Code   | Cap. (ml) | Socket Size | Cone Size | Pack of |
|-------------|-----------|-------------|-----------|---------|
| 030.275.06  | 150       | 29/32       | 19/26     | 1       |
| 030.275.06A | 150       | 29/32       | 24/29     | 1       |
| 030.275.06B | 150       | 29/32       | 29/32     | 1       |

## ASTM Sizes



Buy Now!

| Item Code   | Cap. (ml) | Socket Size | Cone Size | Pack of |
|-------------|-----------|-------------|-----------|---------|
| 030.475.02  | 250       | 24/40       | 24/40     | 1       |
| 030.475.04A | 100       | 24/40       | 24/40     | 1       |
| 030.475.01A | 250       | 24/40       | 14/20     | 1       |
| 030.475.04  | 100       | 24/40       | 14/20     | 1       |

## Adapter, Splash Head, Rotary Evaporator, Anti-climb

- For use with rotary evaporators
- Useful for liquids that tend to foam



Buy Now!

| Item Code   | Cap. (ml) | Socket Size | Cone Size | Pack of |
|-------------|-----------|-------------|-----------|---------|
| 030.276.03  | 150       | 29/32       | 19/26     | 1       |
| 030.276.03A | 150       | 29/32       | 24/29     | 1       |
| 030.276.03B | 150       | 29/32       | 29/32     | 1       |

## ASTM Sizes



Buy Now!

| Item Code  | Cap. (ml) | Socket Size | Cone Size | Pack of |
|------------|-----------|-------------|-----------|---------|
| 030.276.02 | 250       | 24/40       | 24/40     | 1       |



## Adapter, Flash Chromatography Reservoirs

- Made from ASTM E-438, Type-1, Class-A, Boro 3.3 glass

| Item Code   | Cap. (ml) | Socket Size | Cone Size | Pack of |
|-------------|-----------|-------------|-----------|---------|
| 030.480.02A | 250       | 24/40       | 24/40     | 1       |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
SOCKET

ONE  
CONE

## Adapter, Cone

- With Glass stopcock
- With Drip Tip

| Item Code  | Cone Size | Stopcock Bore | Angle       | Pack of |
|------------|-----------|---------------|-------------|---------|
| 034.202.01 | 14/23     | 2.5           | Right Angle | 1       |
| 034.202.02 | 19/26     | 2.5           | Right Angle | 1       |
| 034.202.03 | 24/29     | 2.5           | Right Angle | 1       |
| 034.202.04 | 29/32     | 2.5           | Right Angle | 1       |
| 034.260.01 | 14/23     | 2.5           | Straight    | 1       |
| 034.260.02 | 19/26     | 2.5           | Straight    | 1       |
| 034.260.03 | 24/29     | 2.5           | Straight    | 1       |
| 034.260.04 | 29/32     | 2.5           | Straight    | 1       |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
CONE

GLASS

DRIP  
TIP

*PS: The above Adapter can also be supplied with PTFE key or PTFE Needle valve Stopcock. Please ask for prices separately.*

## Adapter, Socket, with Glass stopcock



Buy Now!

| Item Code  | Socket Size | Stopcock Bore | Pack of |
|------------|-------------|---------------|---------|
| 035.202.01 | 14/23       | 2.5           | 1       |
| 035.202.02 | 19/26       | 2.5           | 1       |
| 035.202.03 | 24/29       | 2.5           | 1       |
| 035.202.04 | 29/32       | 2.5           | 1       |

*PS: The above Adapter can also be supplied with PTFE key or PTFE Needle valve Stopcock. Please ask for prices separately.*

GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
SOCKET

GLASS

## Adapter, Vacuum with ASTM Sizes

- With Teflon Stopcock
- At 90°



Buy Now!

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 034.470.02 | 19/22     | 1       |

GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
CONE

PTFE

## Adapter, Vacuum

- With Teflon Stopcock
- Straight

| Item Code   | Cone Size | Pack of |
|-------------|-----------|---------|
| 034.470.01J | 14/20     | 1       |
| 034.470.03J | 24/40     | 1       |



Buy Now!



## Adapter, Flushing

- With 2mm T-bore PTFE stopcock

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 048.202.01 | 24/40     | 1       |
| 048.202.02 | 14/23     | 1       |
| 048.202.03 | 19/26     | 1       |
| 048.204.03 | 24/29     | 1       |



Buy Now!



## Adapter, Stopcock, Socket

- With Rotaflow PTFE stopcock providing fine flow control and positive closure
- Detachable plastic screw thread connectors allow the hose Connection to fit easily and safely



Buy Now!

| Item Code  | Socket Size | Bore Size (mm) | Pack of |
|------------|-------------|----------------|---------|
| 035.212.01 | 14/23       | 0-3.0          | 1       |
| 035.212.02 | 19/26       | 0-3.0          | 1       |
| 035.212.03 | 24/29       | 0-3.0          | 1       |

GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
SOCKET

Screw

360°  
NEEDLE

## Adapter, Stopcock, T-shape, Cone

- Made from ASTM E-437, Type-1, Class-A, Boro 3.3 glass
- With Rotaflow PTFE stopcock providing fine flow control and positive closure
- Detachable plastic screw thread connectors allow the hose connection to fit easily and safely



Buy Now!

| Item Code  | Cone Size | Bore Size (mm) | Pack of |
|------------|-----------|----------------|---------|
| 046.212.01 | 14/23     | 3.0            | 1       |
| 046.212.02 | 19/26     | 3.0            | 1       |
| 046.212.03 | 24/29     | 3.0            | 1       |

GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
CONE

Screw

360°  
Rotaflow



## Adapter, Cone for Rubber Tubing

- Right angled connection for the attachment of rubber hose
- With Drip Tip
- With Screw Thread

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 036.202.01 | 14/23     | 1       |
| 036.202.02 | 19/26     | 1       |
| 036.202.03 | 24/29     | 1       |
| 036.202.04 | 29/32     | 1       |



Buy Now!



Buy Now!

## ASTM Sizes

| Item Code   | Cone Size | Pack of |
|-------------|-----------|---------|
| 036.475.01S | 14/20     | 1       |
| 036.475.03S | 24/40     | 1       |

GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
CONE

Screw

DRIP TIP

## Adapter, Vacuum/Argon (Nitrogen), Straight

- Hose connection at top and male joint

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 020.475.01 | 14/20     | 1       |
| 020.475.03 | 24/40     | 1       |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
CONE

# Adapter

## Adapter Inlet, Fritted

- With an extra coarse disc between the serrated hose connection and the inner joint
- Fritted disc prevents solids from being introduced into the system
- Hose connection has a O.D. of 8mm



Buy Now!

| Item Code   | Cone Size | Pack of |
|-------------|-----------|---------|
| 036.471.01  | 14/20     | 1       |
| 036.471.04A | 24/40     | 1       |

GLASS  
BORO  
3.3



ONE  
CONE

FRITTED  
DISC



Buy Now!

## Adapter, Cone with long Stem

- Right angled connection for the attachment of rubber hose

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 037.202.01 | 14/23     | 1       |
| 037.202.02 | 19/26     | 1       |
| 037.202.03 | 24/29     | 1       |
| 037.202.04 | 29/32     | 1       |

GLASS  
BORO  
3.3



ONE  
CONE

## Adapter, Tubing Straight

- With Hooks
- With straight connection for the attachment of rubber hose

| Item Code  | Socket Size | Pack of |
|------------|-------------|---------|
| 038.202.01 | 14/23       | 1       |
| 038.202.02 | 19/26       | 1       |
| 038.202.03 | 24/29       | 1       |
| 038.202.04 | 29/32       | 1       |



Buy Now!



GLASS  
BORO  
3.3



ONE  
SOCKET

## ASTM Sizes

- Without Hooks

| Item Code  | Socket Size | Pack of |
|------------|-------------|---------|
| 020.470.01 | 14/20       | 1       |
| 020.470.03 | 24/40       | 1       |



Buy Now!

## Adapter, Socket to cone

- With side arm & screw thread to connect a rubber hose
- Socket at top & cone at bottom

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 039.202.01 | 14/23       | 14/23     | 1       |
| 039.202.02 | 14/23       | 19/26     | 1       |
| 039.202.03 | 14/23       | 24/29     | 1       |
| 039.202.04 | 14/23       | 29/32     | 1       |
| 039.202.05 | 19/26       | 19/26     | 1       |
| 039.202.06 | 19/26       | 24/29     | 1       |
| 039.202.07 | 19/26       | 29/32     | 1       |
| 039.202.08 | 24/29       | 24/29     | 1       |
| 039.202.09 | 24/29       | 29/32     | 1       |
| 039.202.10 | 29/32       | 29/32     | 1       |



Buy Now!



GLASS  
BORO  
3.3



ONE  
SOCKET

ONE  
CONE



## Adapter, Vaccum or Gas 90°

- Hose connection on the side and a male joint



Buy Now!

| Item Code   | Cone Size | Pack of |
|-------------|-----------|---------|
| 341.470.02  | 14/20     | 1       |
| 341.470.03  | 19/22     | 1       |
| 341.470.05A | 24/40     | 1       |
| 341.470.05  | 29/42     | 1       |
| 341.470.04  | 35/20     | 1       |

GLASS  
BORO  
3.3



## Adapter, Vaccum or Gas 90°

- 2 Side Hose connection and a male joint



Buy Now!

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 046.202.04 | 24/40     | 1       |

GLASS  
BORO  
3.3



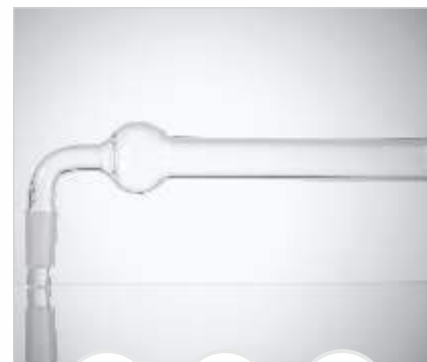
## Adapter, Drying Tube

• A drying tube or guard tube is a tube-like apparatus used to house a disposable solid desiccant. At one end, the tube-like structure terminates in a ground glass joint to connect the drying tube to a reaction vessel to keep the vessel free of moisture.

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 041.202.01 | 14/23     | 10      |
| 041.202.02 | 19/26     | 10      |
| 041.202.03 | 24/29     | 10      |
| 041.202.04 | 29/32     | 10      |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
CONE

## ASTM Sizes

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 041.471.01 | 14/20     | 1       |
| 041.471.03 | 24/40     | 1       |



Buy Now!

## Adapter, Drying Tube Straight

- A drying tube is a tube-like piece of apparatus used to keep the vessel free of moisture-free, it is often used in organic syntheses
- There is usually a standard joint for use in connecting the drying tube to a reaction flask
- The drying tube is filled with a rechargeable desiccant such as calcium chloride, and the open end of the drying tube is partially blocked

| Item Code  | Socket Size | Cone Size | Pack of |
|------------|-------------|-----------|---------|
| 041.470.02 | 19/22       | 19/22     | 1       |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

ONE  
SOCKET

ONE  
CONE

## Adapter, for Pocket Thermometer

- For incorporating thermometers into jointed-ware assemblies
- Pocket fits most still heads



Buy Now!

| Item Code  | Cone Size | Approx Stem Length (mm) | Pack of |
|------------|-----------|-------------------------|---------|
| 042.202.01 | 14/23     | 45                      | 10      |
| 042.202.02 | 19/26     | 45                      | 10      |
| 042.202.03 | 24/29     | 45                      | 10      |

GLASS  
BORO  
3.3



Chemical  
Resistant

ONE  
CONE

## Adapter, Air Leak Tube/ Gas Inlet Tube

- These tubes are known for their accurate dimensions
- Compact size, light weight and easy maintenance
- Ensure their quality and durability
- We test these tubes on various well-defined parameters



Buy Now!

| Item Code  | Cone  | Pack of |
|------------|-------|---------|
| 044.202.01 | 14/23 | 10      |
| 044.202.02 | 19/26 | 10      |
| 044.202.03 | 24/29 | 10      |
| 044.202.04 | 29/32 | 10      |

GLASS  
BORO  
3.3



Chemical  
Resistant

ONE  
CONE



LIGHT  
WEIGHT



Durable



## Adapter, Cone Screw Thread

- Ideal for securing of thermometer or gas inner tube
- With a compression cap & O-ring

| Item Code  | Cone Size | Acceptable Dia through Screw Thread mm | Pack of |
|------------|-----------|--|---------|
| 056.202.01 | 14/23     | 6                                      | 10      |
| 056.202.02 | 19/26     | 6                                      | 10      |
| 056.202.03 | 24/29     | 6                                      | 10      |
| 056.202.04 | 29/32     | 6                                      | 10      |



Buy Now!

## ASTM Sizes

| Item Code   | Cone Size | Pack of |
|-------------|-----------|---------|
| 056.470.01A | 14/20     | 1       |
| 056.470.02A | 19/22     | 1       |
| 056.470.03A | 24/40     | 1       |



Buy Now!



GLASS BORO 3.3

Chemical Resistant

ONE CONE

Screw

## Adapter, Thermometer with Hose Connection

- With a compression cap & O-ring to form a vacuum tight seal

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 056.468.01 | 14/10     | 1       |



Buy Now!



GLASS BORO 3.3

Chemical Resistant

ONE CONE

Screw

# Adapter

## Adapter, Inlet/Thermometer

- With a compression cap



Buy Now!

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 056.467.01 | 14/10     | 1       |

GLASS  
BORO  
3.3



Cone



## Adapter, Inlet

- Permits insertion of direct stem thermometers or bleed tubes supplied with one holed rubber adapter



Buy Now!

| Item Code  | Cone Size | Pack of |
|------------|-----------|---------|
| 036.472.01 | 14/20     | 1       |
| 036.472.02 | 19/22     | 1       |
| 036.472.03 | 24/40     | 1       |

GLASS  
BORO  
3.3



Cone

## For Socket: Non-Serrated in Natural Rubber

| Item Code  | Size   | Pack of |
|------------|--------|---------|
| 410.700.01 | B - 14 | 10      |
| 410.700.02 | B - 19 | 10      |
| 410.700.03 | B - 24 | 10      |
| 410.700.04 | B - 29 | 10      |



Buy Now!



## For Socket: Serrated in Natural Rubber

| Item Code  | Size   | Pack of |
|------------|--------|---------|
| 410.700.05 | B - 14 | 10      |
| 410.700.06 | B - 19 | 10      |
| 410.700.07 | B - 24 | 10      |
| 410.700.08 | B - 29 | 10      |



Buy Now!



## For Socket: Non-Serrated in Silicon Rubber

| Item Code  | Size   | Pack of |
|------------|--------|---------|
| 405.700.01 | B - 14 | 10      |
| 405.700.02 | B - 19 | 10      |
| 405.700.03 | B - 24 | 10      |
| 405.700.04 | B - 29 | 10      |



Buy Now!



## For Socket: Serrated in Silicon Rubber

| Item Code  | Size   | Pack of |
|------------|--------|---------|
| 405.700.05 | B - 14 | 10      |
| 405.700.06 | B - 19 | 10      |
| 405.700.07 | B - 24 | 10      |
| 405.700.08 | B - 29 | 10      |



Buy Now!



## Turnover Flange Septa

- Ideal for moisture or air-sensitive applications.
- Excellent re-sealing capability.

### For Test Tube: Non - Serrated in Natural Rubber



Buy Now!

| Item Code  | Size | Pack of |
|------------|------|---------|
| 410.600.01 | 12   | 10      |
| 410.600.02 | 15   | 10      |
| 410.600.03 | 18   | 10      |
| 410.600.04 | 25   | 10      |

### For Test Tube: Serrated in Natural Rubber



Buy Now!

| Item Code  | Size | Pack of |
|------------|------|---------|
| 410.600.05 | 12   | 10      |
| 410.600.06 | 15   | 10      |
| 410.600.07 | 18   | 10      |
| 410.600.08 | 25   | 10      |

### For Test Tube: Non - Serrated in Natural Rubber



Buy Now!

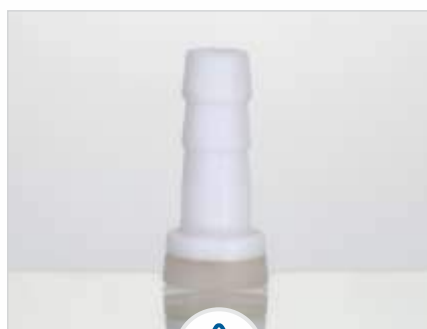
| Item Code  | Size | Pack of |
|------------|------|---------|
| 405.600.01 | 12   | 10      |
| 405.600.02 | 15   | 10      |
| 405.600.03 | 18   | 10      |
| 405.600.04 | 25   | 10      |

### For Test Tube: Serrated in Natural Rubber



Buy Now!

| Item Code  | Size | Pack of |
|------------|------|---------|
| 405.600.05 | 12   | 10      |
| 405.600.06 | 15   | 10      |
| 405.600.07 | 18   | 10      |
| 405.600.08 | 25   | 10      |



## Plastic Hose Connection



Buy Now!

| Item Code  | Thread GL | Type     | Pack of |
|------------|-----------|----------|---------|
| 056.474.01 | 14        | Straight | 1       |

## Screw Thread

- Polypropylene



Buy Now!

| Item Code  | Thread GL | Pack of |
|------------|-----------|---------|
| 056.470.01 | 14        | 100     |



(Manufactured from **ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS**. These beakers comply with **ISO 3819, DIN 12331 ASTM E - 960 and USP** standards.) These beakers come with white graduation and a marking area for use with an ordinary pencil. The beakers have a uniform wall thickness, which makes them ideal for heating applications. These Beakers have excellent thermal performance and are highly resistant to chemical attacks.

These beakers are also rendered in Blue color printing. To order, just mention the colour you need.

## Beaker, Low form with spout

- Complies with DIN 12331 & ISO 3819
- Large labeling field for easy marking
- Uniform wall thickness & Ideal for heating liquids
- Clear metric Graduation for convenient reading
- Highly resistant to chemical attacks

| Item Code    | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|--------------|---------------|----------|-------------|---------|
| 229.202.01   | 5             | 22       | 30          | 10      |
| 229.202.02   | 10            | 26       | 35          | 10      |
| 229.202.03   | 25            | 34       | 51          | 10      |
| 229.202.04   | 50            | 42       | 58          | 10      |
| 229.202.05   | 100           | 50       | 70          | 10      |
| 229.202.06   | 150           | 60       | 88          | 10      |
| 229.202.07   | 250           | 70       | 95          | 10      |
| 229.202.08   | 400           | 80       | 110         | 10      |
| 229.202.08A* | 500           | 83       | 118         | 8       |
| 229.202.09   | 600           | 90       | 125         | 8       |
| 229.202.10   | 1000          | 105      | 157         | 6       |
| 229.202.11   | 2000          | 132      | 185         | 4       |
| 229.202.13   | 3000          | 152      | 210         | 1       |
| 229.202.14   | 5000          | 170      | 270         | 1       |
| 229.202.15*  | 10000         | 220      | 350         | 1       |

\*Non DIN



## Beaker, Low Form, with Double Capacity Scale

- Complies with ASTM E-960, TYPE 1
- Printed in white colour enamel
- Large labeling field for easy marking
- Uniform wall thickness
- Ideal for heating liquids
- Printed in double scale
- Highly resistant to chemical attacks

| Item Code   | Capacity (ml) | Graduation Interval (ml) | Graduation Range (ml) | Pack of |
|-------------|---------------|--------------------------|-----------------------|---------|
| 229.402.02  | 10            | -                        | -                     | 12      |
| 229.402.03  | 20            | 5                        | 5-15                  | 12      |
| 229.402.03A | 30            | 5                        | 5-25                  | 12      |
| 229.402.04  | 50            | 5                        | 10-45                 | 12      |
| 229.402.05  | 100           | 10                       | 20-80                 | 12      |
| 229.402.06  | 150           | 10                       | 20-140                | 12      |
| 229.402.07  | 250           | 25                       | 25-200                | 12      |
| 229.402.08  | 400           | 25                       | 25-325                | 12      |
| 229.402.09  | 600           | 50                       | 50-500                | 6       |
| 229.402.10  | 1000          | 50                       | 50-1000               | 6       |
| 229.402.11  | 2000          | 100                      | 200-1800              | 4       |
| 229.402.14  | 4000          | 250                      | 250-3500              | 1       |



# Beakers



Buy Now!

## Beaker, Low Form, Heavy Wall, with Double Capacity Scale

- Complies with ASTM E-960, TYPE-2, BORO 3.3 GLASS
- Printed in matt finish white colour enamel.
- Printed in double scale
- Uniform wall thickness with re-inforced Rim & Spout
- Not recommended for use on hot plates

| Item Code   | Capacity (ml) | Graduation Interval (ml) | Graduation Range (ml) | Pack of |
|-------------|---------------|--------------------------|-----------------------|---------|
| 229.235.07  | 250           | 25                       | 25-200                | 12      |
| 229.235.08  | 400           | 25                       | 25-325                | 12      |
| 229.235.09  | 600           | 50                       | 50-500                | 6       |
| 229.235.10  | 1000          | 50                       | 50-1000               | 6       |
| 229.235.11* | 2000          | 100                      | 200-1800              | 4       |
| 229.235.14  | 4000          | 250                      | 250-3500              | 1       |

\*Non ASTM Standards



Buy Now!

## Beaker, Tall form with spout

- Complies with DIN 12331 & ISO 3819
- Large labeling field for easy marking
- Clear Graduation for easy convenient reading
- Uniform wall thickness
- Ideal for heating liquids
- Highly resistant to chemical attacks

| Item Code    | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|--------------|---------------|----------|-------------|---------|
| 230.202.02   | 50            | 38       | 70          | 10      |
| 230.202.03   | 100           | 48       | 80          | 10      |
| 230.202.04   | 150           | 54       | 95          | 10      |
| 230.202.05   | 250           | 60       | 120         | 10      |
| 230.202.06   | 400           | 70       | 130         | 10      |
| 230.202.07A* | 500           | 75       | 142         | 8       |
| 230.202.07   | 600           | 80       | 150         | 8       |
| 230.202.08   | 1000          | 90       | 192         | 6       |

\*Non DIN



## Beaker, Tall form, Without Spout

- Complies with DIN 12331 & ISO 3819
- Large labeling field for easy marking
- Clear Graduation for easy convenient reading
- Uniform wall thickness
- Ideal for heating liquids
- Highly resistant to chemical attacks

| Item Code     | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|---------------|---------------|----------|-------------|---------|
| 230.205.02    | 50            | 38       | 70          | 10      |
| 230.205.03    | 100           | 48       | 80          | 10      |
| 230.205.04    | 150           | 54       | 95          | 10      |
| 230.205.05    | 250           | 60       | 120         | 10      |
| 230.205.06    | 400           | 70       | 130         | 10      |
| 230.205.06AB* | 500           | 75       | 142         | 8       |
| 230.205.07    | 600           | 80       | 150         | 8       |
| 230.205.08    | 1000          | 90       | 192         | 6       |

\*Non DIN



Buy Now!



## Beaker, Tablet Disintegration

- Specially designed for Tablet disintegration machine
- Large labeling field that enables easy marking
- Highly resistant to chemical attacks

| Item Code  | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|------------|---------------|----------|-------------|---------|
| 230.209.08 | 1000          | 105      | 145         | 10      |



Buy Now!



## Beaker, Euro Design

- Made from Polypropylene
- These jugs are clear & autoclavable
- Graduation for easy reading



Buy Now!

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 101.303.01 | 25            | 12      |
| 101.303.02 | 50            | 12      |
| 101.303.03 | 100           | 12      |
| 101.303.04 | 250           | 12      |
| 101.303.05 | 500           | 12      |
| 101.303.06 | 1000          | 6       |
| 101.303.07 | 2000          | 6       |
| 101.303.08 | 5000          | 2       |



## Beaker, Measuring Jugs, Euro Design (PP)

- Made from Polypropylene
- These jugs are clear, autoclavable
- Provided with a handle for easy & convenient lifting
- Raised graduation for easy reading



Buy Now!

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 179.303.01 | 250           | 12      |
| 179.303.05 | 500           | 12      |
| 179.303.06 | 1000          | 6       |
| 179.303.07 | 2000          | 6       |
| 179.303.08 | 3000          | 6       |
| 179.303.09 | 5000          | 4       |



## Beaker, Tong, SS

- Made of stainless steel
- Silicon sleeved for temp upto 280° C
- Fibre glass yarn to resist direct flame
- To hold beakers upto 2 Litres (155mm OD)

| Item Code  | Type   | Length (mm) | Material    | Max Temp | Pack of |
|------------|--------|-------------|-------------|----------|---------|
| 396.303.01 | Beaker | 250         | Glass Fibre | 500°C    | 4       |
| 396.303.02 | Beaker | 300         | Glass Fibre | 500°C    | 4       |
| 396.303.03 | Beaker | 250         | Silicon     | 280°C    | 4       |
| 396.303.04 | Beaker | 300         | Silicon     | 280°C    | 4       |



Buy Now!



SS

Si  
Sleeved  
280°C

Glass  
Sleeved  
500°C

## Beaker, Brush

- Brush with wirewound polyester bristles
- An extra-large brush ideal for cleaning beakers

| Item Code  | Type         | Material | Pack of |
|------------|--------------|----------|---------|
| 593.303.06 | Beaker Brush | Nylon    | 50      |



Buy Now!



Nylon



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

PP

121°C SSSS

30  
20  
10



Buy Now!

## Bottle, Reagent Clear Narrow Mouth

- Complies with **DIN/ISO 4796**
- Autoclavable PP screw cap and pouring ring
- Printed with retrace code
- Specially designed PP Pouring rings for drip-free operations
- Clear scale Graduation & large marking area
- These bottles are autoclavable & can be sterilized
- These bottles are highly chemical resistant and mechanically durable.

| Item Code   | Capacity (ml) | O.D. x Height (mm) | Screw Thread | Pack of |
|-------------|---------------|--------------------|--------------|---------|
| 274.205.00* | 10**          | 36x50              | GL-25        | 10      |
| 274.202.00B | 25**          | 36x70              | GL-25        | 10      |
| 274.202.00  | 50**          | 46x87              | GL-32        | 10      |
| 274.202.00C | 50            | 46x87              | GL-45        | 10      |
| 274.202.01  | 100           | 56x100             | GL-45        | 10      |
| 274.202.01B | 150           | 60x120             | GL-45        | 10      |
| 274.202.02  | 250           | 70x138             | GL-45        | 10      |
| 274.202.03  | 500           | 86x176             | GL-45        | 10      |
| 274.202.04  | 1000          | 101x225            | GL-45        | 10      |
| 274.202.05  | 2000          | 136x260            | GL-45        | 10      |
| 274.202.06* | 3000          | 158x295            | GL-45        | 2       |
| 274.202.07  | 5000          | 181x330            | GL-45        | 1       |
| 274.202.08  | 10000         | 227x410            | GL-45        | 1       |
| 274.202.09  | 20000         | 288x505            | GL-45        | 1       |

\*Non DIN

\*\* 10, 25 & 50ml without pouring rings

# Caps should be loosened while autoclaving



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

PP

121°C SSSS

30  
20  
10



Buy Now!

## Bottle, Reagent Amber Screw Cap

- Complies with **DIN/ISO 4796**
- Autoclavable PP screw cap and pouring ring
- Printed with a retrace code
- Specially designed PP Pouring rings for drip-free operations
- Clear scale Graduation & large marking area
- These bottles are autoclavable & can be sterilize
- These bottles are highly chemical resistant and mechanically durable
- The uniform Amber colour is highly durable
- These bottles are ideal for long term storage of light sensitive media & substances

| Item Code   | Capacity (ml) | O.D. x Height (mm) | Screw Thread | Pack of |
|-------------|---------------|--------------------|--------------|---------|
| 275.205.00* | 10**          | 36x50              | GL-25        | 10      |
| 275.202.00B | 25**          | 36x70              | GL-25        | 10      |
| 275.202.00  | 50**          | 46x87              | GL-32        | 10      |
| 275.202.00C | 50            | 46x87              | GL-45        | 10      |
| 275.202.01  | 100           | 56x100             | GL-45        | 10      |
| 275.202.02  | 250           | 70x138             | GL-45        | 10      |
| 275.202.03  | 500           | 86x176             | GL-45        | 10      |
| 275.202.04  | 1000          | 101x225            | GL-45        | 10      |
| 275.202.05  | 2000          | 136x260            | GL-45        | 10      |
| 275.202.06  | 3000          | 158x295            | GL-45        | 1       |
| 275.202.07  | 5000          | 183x330            | GL-45        | 1       |

\*Non DIN

\*\* 10, 25 & 50ml without pouring rings

# Caps should be loosened while autoclaving.

## Bottle, Reagent, Square Type, Wide Mouth, Graduated *New*

- With DIN Thread
- With PP Screw cap (GL-80) pouring ring
- Printed with retrace code
- Specially designed PP Pouring rings for drip-free operations
- Clear scale Graduation & large marking area
- These bottles are fully autoclavable & can be sterilized
- These bottles are highly mechanically durable and chemical resistant

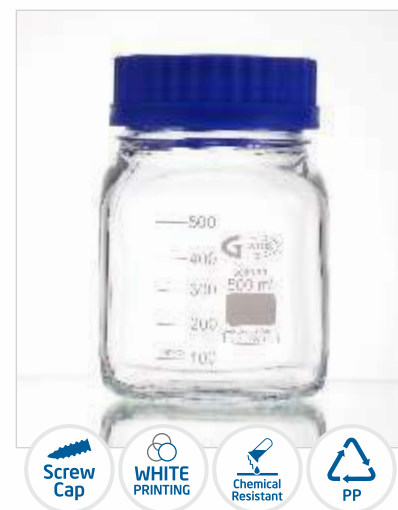
| item Code  | Capacity (ml) | Approx B x W x H (mm) | Thread Specification Approx O.D. (mm) | Pack of |
|------------|---------------|-----------------------|---------------------------------------|---------|
| 274.209.03 | 500           | 94 x 94 x 141         | GL-80                                 | 10      |
| 274.209.04 | 1000          | 105 x 105 x 187       | GL-80                                 | 10      |
| 274.209.05 | 2000          | 115 x 115 x 260       | GL-80                                 | 10      |

\*Height including Cap.

# Caps should be loosened while autoclaving



Buy Now!



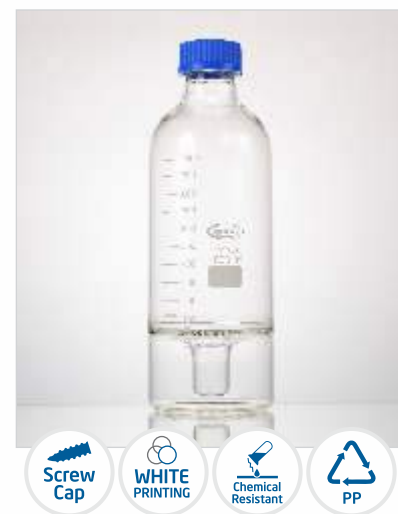
## Bottle, HPLC Mobile Phase *New*

- Complies with **USP TYPE 1 BORO 3.3** Glass
- Conical bottom delivers all of the solvents without tilting the reservoir
- Prevents leaching of any extractable into the mobile phase solvents
- With PP Screw cap (GL-45)

| item Code  | Capacity (ml) | Screw Thread | Approx O.D. x Height* (mm) | Pack of |
|------------|---------------|--------------|----------------------------|---------|
| 274.213.04 | 1000          | GL-45        | 101 x 225                  | 1       |
| 274.213.05 | 2000          | GL-45        | 136 x 260                  | 1       |



Buy Now!



## Bottle, Screw Cap

- Made from Polypropylene
- Autoclavable upto 140° C

| Item Code   | Colour Description | Thread Specification | Pack of |
|-------------|--------------------|----------------------|---------|
| 275.205.01  | Blue               | GL 45                | 10      |
| 275.205.010 | Orange             | GL 45                | 10      |
| 275.205.01Y | Yellow             | GL 45                | 10      |
| 275.205.01G | Green              | GL 45                | 10      |
| 275.205.01E | Grey               | GL 45                | 10      |
| 275.205.01W | White              | GL 45                | 10      |
| 275.205.01B | Black              | GL 45                | 10      |
| 275.205.01R | Red                | GL 45                | 10      |



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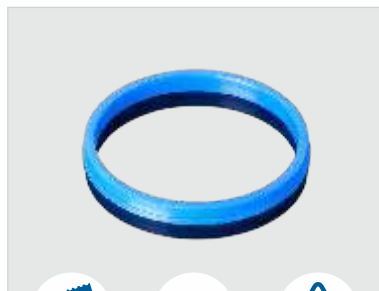
Available in Different colours



## Bottle, Pouring Ring, Blue Colour

- Made from Polypropylene
- Autoclavable upto 140° C

*New*



Buy Now!

| Item Code   | Colour Description | Thread Specification | Pack of |
|-------------|--------------------|----------------------|---------|
| 275.205.02  | Blue               | GL 45                | 10      |
| 275.205.02B | Black              | GL 45                | 10      |
| 275.205.02E | Grey               | GL 45                | 10      |
| 275.205.02G | Green              | GL 45                | 10      |
| 275.205.02O | Orange             | GL 45                | 10      |
| 275.205.02R | Red                | GL 45                | 10      |
| 275.205.02W | White              | GL 45                | 10      |
| 275.205.02Y | Yellow             | GL 45                | 10      |

| Item Code   | Colour Description | Thread Specification | Pack of |
|-------------|--------------------|----------------------|---------|
| 275.205.03  | Blue               | GL 25                | 10      |
| 275.205.03O | Orange             | GL 25                | 10      |
| 275.205.03Y | Yellow             | GL 25                | 10      |
| 275.205.03G | Green              | GL 25                | 10      |
| 275.205.03E | Grey               | GL 25                | 10      |
| 275.205.03W | White              | GL 25                | 10      |
| 275.205.03B | Black              | GL 25                | 10      |
| 275.205.03R | Red                | GL 25                | 10      |

## Teflon Pouring Ring for Bottle, White Colour *New*

- Made from PTFE (Teflon)
- Autoclavable upto 140° C



Buy Now!

| Item Code  | Colour Description | Thread Specification | Pack of |
|------------|--------------------|----------------------|---------|
| 275.207.01 | White              | GL 45                | 10      |

## Screw Cap, for Reagent Bottle

- Made from PTFE (Teflon)
- Autoclavable



Buy Now!

| Item Code  | Colour Description | Thread Specification | Pack of |
|------------|--------------------|----------------------|---------|
| 275.204.01 | White              | GL 45                | 10      |



## Bottles, Reagent Narrow Mouth, Clear Glass

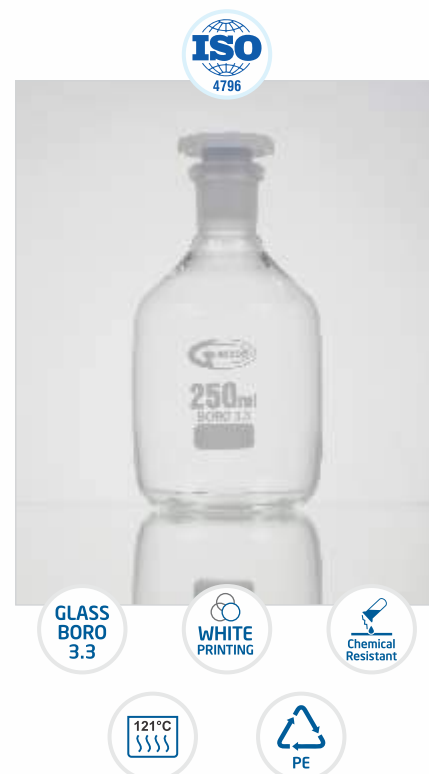
- Complies with DIN/ISO 4796
- These bottles come with grounded joint & PE Stopper
- Printed in matt finish white colour enamel
- These bottles are mechanically strong and chemical resistant

| Item Code   | Capacity (ml) | N/S   | Pack of |
|-------------|---------------|-------|---------|
| 272.232.01  | 30            | 14/23 | 10      |
| 272.232.02A | 50            | 14/23 | 10      |
| 272.232.03  | 100           | 14/23 | 10      |
| 272.232.04  | 250           | 19/26 | 10      |
| 272.232.05  | 500           | 24/29 | 10      |
| 272.232.06  | 1000          | 29/32 | 10      |
| 272.232.07  | 2000          | 29/32 | 10      |

These Bottles can also be supplied with Glass Stoppers.  
Please ask for the same separately



Buy Now!



## Bottle, Reagent Narrow Mouth, Amber Glass

- Complies with DIN/ISO 4796
- These bottles come with PE Stopper
- Printed in matt finish white colour enamel
- These bottles are mechanically strong and chemical resistant
- The uniform Amber colour is highly durable and has high chemical resistance

| Item Code   | Capacity (ml) | N/S   | Pack of |
|-------------|---------------|-------|---------|
| 273.232.01  | 30            | 14/23 | 10      |
| 273.232.02A | 50            | 14/23 | 10      |
| 273.232.03  | 100           | 14/23 | 10      |
| 273.232.04  | 250           | 19/26 | 10      |
| 273.232.05  | 500           | 24/29 | 10      |
| 273.232.06  | 1000          | 29/32 | 10      |
| 273.232.07  | 2000          | 29/32 | 10      |

These Bottles can also be supplied with Glass Stoppers.  
Please ask for the same separately



Buy Now!



# Bottles



## Bottle, Reagent Narrow Mouth, Clear *New*

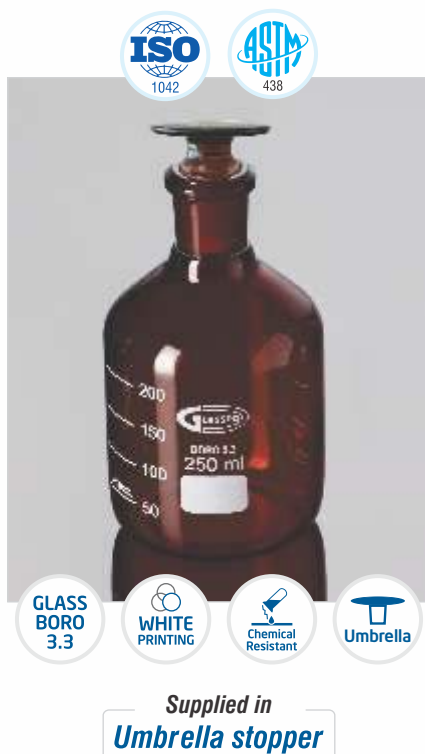
- Complies with **DIN/ISO 4796-2**
- Made from **ASTM 438** TYPE 1 BORO 3.3 GLASS
- These bottles come with a grounded joint & Umbrella Stopper
- Printed in matt finish white colour enamel
- Clear scale Graduation for easy reading
- These bottles are mechanically strong and chemical resistant



Buy Now!

| Item Code   | Capacity (ml) | O.D. x Height (mm) | N/S   | Pack of |
|-------------|---------------|--------------------|-------|---------|
| 272.276.01  | 30            | 36x78              | 14/23 | 10      |
| 272.276.02  | 60            | 45x90              | 14/23 | 10      |
| 272.276.02A | 100*          | 54x98              | 14/23 | 10      |
| 272.276.03  | 125           | 56x115             | 19/26 | 10      |
| 272.276.04  | 250           | 70x142             | 19/26 | 10      |
| 272.276.05  | 500           | 86x180             | 24/29 | 10      |
| 272.276.06  | 1000          | 101x230            | 29/32 | 10      |
| 272.276.07  | 2000          | 136x260            | 29/32 | 10      |

\* DIN/ISO



## Bottle, Reagent Narrow Mouth, Amber *New*

- Complies with **DIN/ISO 4796-2**
- Made from **ASTM 438** TYPE 1 BORO 3.3 GLASS
- These bottles come with a grounded joint & Umbrella Stopper
- Printed in matt finish white colour enamel.
- Clear scale Graduation for easy reading
- These bottles are mechanically strong and chemical resistant
- The uniform Amber colour is highly durable and has high chemical resistance



Buy Now!

| Item Code   | Capacity (ml) | O.D. x Height(mm) | N/S   | Pack of |
|-------------|---------------|-------------------|-------|---------|
| 273.276.01  | 30            | 36x78             | 14/23 | 10      |
| 273.276.02  | 60            | 44x90             | 14/23 | 10      |
| 273.276.02A | 100*          | 54x98             | 14/23 | 10      |
| 273.276.03  | 125           | 56x115            | 19/26 | 10      |
| 273.276.04  | 250           | 70x142            | 19/26 | 10      |
| 273.276.05  | 500           | 86x180            | 24/29 | 10      |
| 273.276.06  | 1000          | 101x230           | 29/32 | 10      |
| 273.276.07  | 2000          | 136x260           | 29/32 | 10      |

\* DIN/ISO

## Bottle, Reagent, Narrow mouth

- Made from ASTM E-438, TYPE-1, CLASS-A, BORO 3.3 GLASS
- These bottles comes with pressed flat stopper
- Mechanically strong and chemical resistant
- Large volume capacity bottles designed for handling and storing culture media
- Large and durable white color enamelled area for marking

| Item Code   | Capacity (ml) | Stopper No. | Pack of |
|-------------|---------------|-------------|---------|
| 272.207.03A | 125           | 19          | 1       |
| 272.207.04  | 250           | 19          | 1       |
| 272.207.05  | 500           | 24          | 1       |
| 272.207.06  | 1000          | 29          | 1       |
| 272.207.07  | 2000          | 29          | 1       |



Buy Now!



## Bottle, Tooled Neck, Plain

- Mechanically strong and chemical resistant
- Large volume capacity bottles designed for handling and storing culture media
- Large and durable white color enamelled area for marking

| Item Code  | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|------------|---------------|----------|-------------|---------|
| 282.202.02 | 250           | 70       | 140         | 10      |
| 282.202.06 | 500           | 86       | 180         | 10      |
| 282.202.07 | 1000          | 101      | 230         | 10      |
| 282.202.08 | 2000          | 136      | 285         | 10      |
| 282.202.09 | 3000          | 158      | 295         | 1       |
| 282.202.10 | 5000          | 183      | 330         | 1       |
| 282.202.11 | 10000         | 235      | 430         | 1       |
| 282.202.12 | 20000         | 299      | 530         | 1       |



Buy Now!



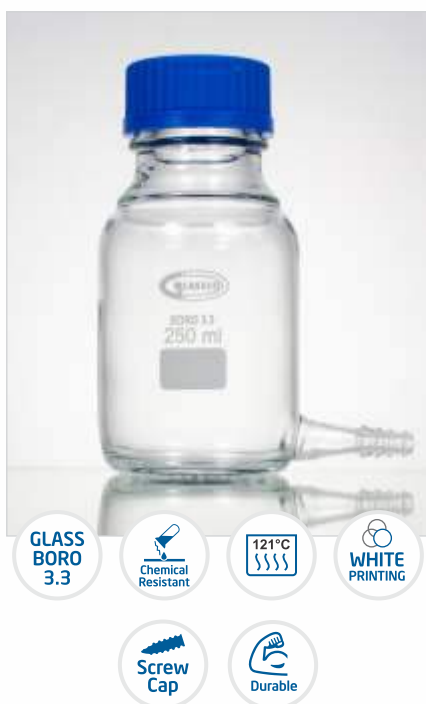


Buy Now!

## Bottle, Tooled Neck, Amber

- Recommended to use with light-sensitive media and for long-term storage of substances
- Mechanically strong and chemical resistant
- Large and durable white color enamelled area for marking
- The uniform Amber color is highly durable and has high chemical resistance
- Protects media from light radiations with a wave-length between 300 nm to 500nm

| Item Code  | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|------------|---------------|----------|-------------|---------|
| 282.279.04 | 250           | 70       | 145         | 10      |
| 282.279.06 | 500           | 86       | 180         | 10      |
| 282.279.07 | 1000          | 101      | 230         | 5       |
| 282.279.08 | 2000          | 136      | 255         | 5       |



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## Bottle, Aspirator, with GL 45 Cap with tubulation

- Complies with **DIN/ISO 4796-3**
- Made From Heat Resistant Boro 3.3 Glass
- These bottles come with autoclavable PP Screw cap & pouring ring
- These bottles have durable and large white color enamel marking area

| Item Code  | Capacity (ml) | Approx. O.D. x Height* (mm) | Thread Specification | Pack of |
|------------|---------------|-----------------------------|----------------------|---------|
| 280.205.05 | 250           | 70 x 140                    | GL 45                | 1       |
| 280.205.06 | 500           | 86 x 176                    | GL 45                | 1       |
| 280.205.07 | 1000          | 101 x 225                   | GL 45                | 1       |
| 280.205.08 | 2000          | 136 x 260                   | GL 45                | 1       |
| 280.205.10 | 5000          | 181 x 330                   | GL 45                | 1       |
| 280.205.11 | 10000         | 235 x 410                   | GL 45                | 1       |
| 280.205.12 | 20000         | 296 x 505                   | GL 45                | 1       |

\*Height indicated is of Bottle only

## Bottle, Aspirator, with GL 45 Cap with socket

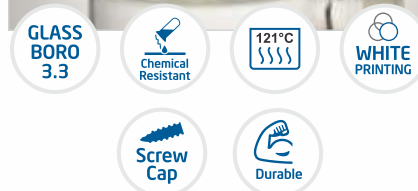
- Complies with **DIN/ISO 4796-3**
- Made From Heat Resistant Boro 3.3 Glass
- These bottles come with autoclavable PP Screw cap & pouring ring
- These bottles have durable large white color enamel marking area
- These bottles are suitable for storage of large media for long duration

| Item Code  | Capacity (ml) | Approx. O.D. x Height* (mm) | Thread Specification | Outlet Ground Joint Size | Pack of |
|------------|---------------|-----------------------------|----------------------|--------------------------|---------|
| 280.202.07 | 1000          | 101 x 225                   | GL 45                | 24 / 29                  | 1       |
| 280.202.08 | 2000          | 136 x 260                   | GL 45                | 29 / 32                  | 1       |
| 280.202.11 | 5000          | 181 x 330                   | GL 45                | 29 / 32                  | 1       |
| 280.202.12 | 10000         | 235 x 410                   | GL 45                | 29 / 32                  | 1       |
| 280.202.13 | 20000         | 296 x 500                   | GL 45                | 29 / 32                  | 1       |

\*Height indicated of Bottle only



Buy Now!



## Bottle, Aspirator, with GL 45 Cap and Interchangeable Stopcock

- Complies with **DIN/ISO 4796-3**
- Made From Heat Resistant Boro 3.3 Glass
- Low Expansion

| Item Code  | Capacity (ml) | Approx. O.D. x Height* (mm) | Thread Specification | Outlet Ground Joint Size | Pack of |
|------------|---------------|-----------------------------|----------------------|--------------------------|---------|
| 281.202.07 | 1000          | 101 x 225                   | GL 45                | 24 / 29                  | 1       |
| 281.202.08 | 2000          | 136 x 260                   | GL 45                | 29 / 32                  | 1       |
| 281.202.11 | 5000          | 181 X 330                   | GL 45                | 29 / 32                  | 1       |
| 281.202.12 | 10000         | 227 X 410                   | GL 45                | 29 / 32                  | 1       |
| 281.202.13 | 20000         | 288 X 505                   | GL 45                | 29 / 32                  | 1       |

\*Height indicated of Bottle only



Buy Now!



# Bottles



Buy Now!

## Bottle, Dropping

- Made From chemical & Heat Resistant Boro 3.3 Glass
- These bottles comes with interchangeable ground joint, with dropper and rubber teat.

| Item Code  | Neck Size | Capacity (ml) | ODxHeight (mm) | Pack of |
|------------|-----------|---------------|----------------|---------|
| 279.202.01 | 14/23     | 30            | 36x78          | 10      |
| 279.202.02 | 14/23     | 60            | 45x90          | 10      |
| 279.202.03 | 19/26     | 120           | 56x116         | 10      |
| 279.202.04 | 19/26     | 250           | 70x128         | 10      |



Buy Now!

## Bottle, Amber, Dropping

- Made From chemical Resistant amber glass & Heat Resistant Boro 3.3 Glass
- These bottles come with interchangeable ground joint with dropper and rubber teat.

| Item Code  | Neck Size | Capacity (ml) | ODxHeight (mm) | Pack of |
|------------|-----------|---------------|----------------|---------|
| 279.229.01 | 14/23     | 30            | 36x78          | 10      |
| 279.229.02 | 14/23     | 60            | 45x90          | 10      |
| 279.229.03 | 19/26     | 120           | 56x116         | 10      |
| 279.229.04 | 19/26     | 250           | 70x128         | 10      |



Buy Now!

## Mac-Cartney Bottles *New*

- Complete with Aluminium Cap Manufactured from Soda lime Glass

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 283.202.01 | 15            | 100     |
| 283.202.01 | 30            | 100     |



## Bottle, Gas Washing

- Complies with DIN 12463
- Complete Interchangeable joints
- Made from Heat & Chemical resistant Boro 3.3 Glass

| Item Code    | Capacity (ml) | Joint Size | Pack of |
|--------------|---------------|------------|---------|
| 286.202.04   | 100           | 29/32      | 2       |
| 286.202.01B* | 125           | 29/32      | 2       |
| 286.202.05   | 250           | 29/32      | 2       |
| 286.202.06   | 500           | 29/32      | 2       |

\* Non DIN



Buy Now!



## Head for Gas Bottles

- Made from ISO/DIN 3585, Class A, TYPE 1 , Boro 3.3 glass
- Complies DIN 12596 standard
- Made from Heat & Chemical resistant Boro 3.3 Glass

| Item Code    | Capacity (ml) | Joint Size | Pack of |
|--------------|---------------|------------|---------|
| 285.202.04   | 100           | 29/32      | 1       |
| 285.202.01B* | 125           | 29/32      | 1       |
| 285.202.05   | 250           | 29/32      | 1       |
| 285.202.06   | 500           | 29/32      | 1       |

\* Non DIN



Buy Now!



## Bottle, Gas Washing with head for gas bottle

- Complies with DIN 12596, 12463
- Complete Interchangeable joints

| Item Code   | Capacity (ml) | Joint Size | Pack of |
|-------------|---------------|------------|---------|
| 285.406.01* | 125           | 29/32      | 1       |
| 285.406.02  | 250           | 29/32      | 1       |
| 285.406.03  | 500           | 29/32      | 1       |

\*Non standards



Buy Now!





Buy Now!

## Bottle, Head, Sintered wash

- Complies DIN 12596

| Item Code    | Capacity (ml) | Joint Size | Pack of |
|--------------|---------------|------------|---------|
| 287.202.06   | 100           | 29/32      | 1       |
| 287.202.06A* | 125           | 29/32      | 1       |
| 287.202.07   | 250           | 29/32      | 1       |
| 287.202.08   | 500           | 29/32      | 1       |

\* Non DIN

## Bottle, Weighing

- made from ASTM-438, TYPE-1, Boro 3.3 glass
- These bottles are chemically resistant & mechanically strong



Buy Now!

| Item Code   | O.D. x Ht. (ml) | Form       | Capacity (ml) | Pack of |
|-------------|-----------------|------------|---------------|---------|
| 264.202.01  | 40x30           | Squat Form | 15            | 10      |
| 264.202.02  | 50x25           | Squat Form | 20            | 10      |
| 264.202.03  | 50x35           | Squat Form | 35            | 10      |
| 264.202.04  | 50x50           | Squat Form | 50            | 10      |
| 264.202.05  | 60x30           | Squat Form | 30            | 10      |
| 264.202.05A | 60x40           | Squat Form | 40            | 10      |
| 264.202.06  | 20x40           | Tall Form  | 5             | 10      |
| 264.202.07  | 25x50           | Tall Form  | 15            | 10      |
| 264.202.08  | 30x60           | Tall Form  | 25            | 10      |
| 264.202.09  | 40x80           | Tall Form  | 60            | 10      |

New



Buy Now!

| Item Code   | I.D. x Ht. (ml) | Neck Size | Form       | Capacity (ml) | Pack of |
|-------------|-----------------|-----------|------------|---------------|---------|
| 264.402.03  | 50x30           | 50/12     | Squat Form | 35            | 10      |
| 264.402.05  | 60x30           | 60/12     | Squat Form | 50            | 10      |
| 264.402.07  | 70x33           | 71/15     | Squat Form | 82            | 10      |
| 264.407.01  | 15x50           | 14/10     | Tall Form  | 7             | 10      |
| 264.407.02  | 25x40           | 24/12     | Tall Form  | 12            | 10      |
| 264.407.02A | 25x50           | 24/12     | Tall Form  | 16            | 10      |
| 264.407.03  | 30x60           | 29/12     | Tall Form  | 30            | 10      |
| 264.407.05  | 40x50           | 40/12     | Tall Form  | 45            | 10      |
| 264.407.05A | 40x80           | 40/12     | Tall Form  | 70            | 10      |
| 264.407.07  | 50x60           | 50/12     | Tall Form  | 85            | 10      |

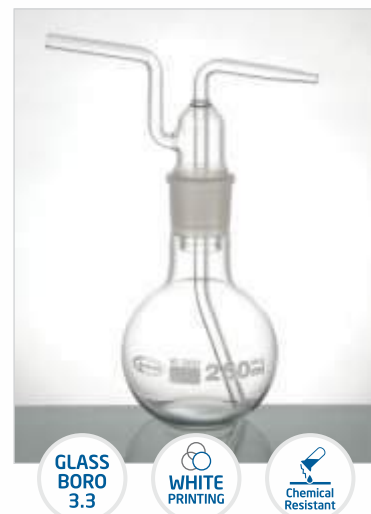
## Bottle, Wash *New*

- Complete With Interchangeable Head
- These bottle are highly Heat Resistant

| Item Code  | Capacity ml | Approx Total Height mm | Size of I/C Stopper | Pack Size |
|------------|-------------|------------------------|---------------------|-----------|
| 285.502.02 | 250         | 225                    | 24/29               | 1         |
| 285.502.03 | 500         | 280                    | 24/29               | 1         |
| 285.502.04 | 1000        | 315                    | 29/32               | 1         |



Buy Now!



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

## Head for Wash Bottles *New*

| Item Code  | Capacity ml | Size of I/C Stopper | Pack Size |
|------------|-------------|---------------------|-----------|
| 287.502.02 | 250         | 24/29               | 1         |
| 287.502.03 | 500         | 24/29               | 1         |
| 287.502.04 | 1000        | 29/32               | 1         |



Buy Now!



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

## Bottle, Only For Wash Bottle *New*

- Complies with ISO 3585
- Made From Heat Resistant, Boro 3.3 Glass

| Item Code  | Capacity ml | Approx Total Height mm | Size of I/C Stopper | Pack Size |
|------------|-------------|------------------------|---------------------|-----------|
| 289.202.02 | 250         | 135                    | 24/29               | 1         |
| 289.202.03 | 500         | 175                    | 24/29               | 1         |
| 289.202.04 | 1000        | 205                    | 29/32               | 1         |



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GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant



## Pycnometers to Gay - Lussac, Calibrated, Class-A

- Complies with DIN/ISO 3507
- With Individual Work Certificate
- With Teflon stopper



Buy Now!

| Item Code<br>Class A | Capacity (ml) | Tolerance<br>(±ml) | Pack of |
|----------------------|---------------|--------------------|---------|
| 268.223.01           | 10            | 0.3                | 1       |
| 268.223.02           | 25            | 0.8                | 1       |
| 268.223.03           | 50            | 1                  | 1       |
| 268.223.04           | 100           | 3                  | 1       |



## Pycnometers to Gay - Lussac, Calibrated, with Teflon stopper, Class B

- Manufactured from ASTM 438 TYPE 1 Boro 3.3 GLASS, DIN ISO 3507, without Certificate



Buy Now!

| Item Code<br>Class B | Capacity (ml) | Tolerance<br>(±ml) | Pack of |
|----------------------|---------------|--------------------|---------|
| 268.237.01           | 10            | 0.3                | 2       |
| 268.237.02           | 25            | 0.8                | 2       |
| 268.237.03           | 50            | 1                  | 2       |
| 268.237.04           | 100           | 3                  | 2       |

**BOD Bottles** for incubating diluted clean water samples, waster water, effluent water and polluted water during the five day biochemical oxygen demand (BOD) test. These BOD bottles feature a flared mouth to form a water seal to prevent air ingress during incubation. The interchangeable stoppers have a tapered bottom that also prevents air entrapment.

The stopper joint on BOD bottles is compatible with the probes of leading BOD and DO meters. Bottles have large, permanent marking squares. Featuring the best quality of glass on the market, BOD bottles are manufactured from high-quality Borosilicate tubing; this type of glass makes them much less susceptible to etching when compared to traditional BOD bottles.

Bottles meet ASTM E-438 Type 1, Class A Borosilicate Glass specifications. These bottles come in numbered and un numbered version and also with penny head or robotic stopper.

| Item Code   | Capacity (ml)  | Number Sequence | Stopper (Glass Type) | Pack of |
|-------------|----------------|-----------------|----------------------|---------|
| 284.456.01  | 60             | Unnumbered      | Pennyhead            | 1       |
| 284.451.01A | 60             | 1-36            | Pennyhead            | 36      |
| 284.451.01B | 60             | 37-72           | Pennyhead            | 36      |
| 284.451.01C | 60             | 73-108          | Pennyhead            | 36      |
| 284.456.03  | 125            | Unnumbered      | Pennyhead            | 1       |
| 284.456.02  | 300            | Unnumbered      | Pennyhead            | 1       |
| 284.456.02R | Bar-Coded, 300 | 1-24            | Pennyhead            | 24      |
| 284.456.02A | Bar-Coded, 300 | 25-48           | Pennyhead            | 24      |
| 284.456.02B | Bar-Coded, 300 | 49-72           | Pennyhead            | 24      |
| 284.456.02C | Bar-Coded, 300 | 73-96           | Pennyhead            | 24      |
| 284.456.02D | Bar-Coded, 300 | 97-120          | Pennyhead            | 24      |
| 284.456.02E | Bar-Coded, 300 | 121-144         | Pennyhead            | 24      |
| 284.456.02F | Bar-Coded, 300 | 145-168         | Pennyhead            | 24      |
| 284.456.02G | Bar-Coded, 300 | 169-192         | Pennyhead            | 24      |
| 284.456.02H | Bar-Coded, 300 | 193-216         | Pennyhead            | 24      |
| 284.456.02I | Bar-Coded, 300 | 217-240         | Pennyhead            | 24      |
| 284.456.02J | Bar-Coded, 300 | 241-264         | Pennyhead            | 24      |
| 284.456.02K | Bar-Coded, 300 | 265-288         | Pennyhead            | 24      |
| 284.456.02L | Bar-Coded, 300 | 289-312         | Pennyhead            | 24      |
| 284.456.02M | Bar-Coded, 300 | 313-336         | Pennyhead            | 24      |
| 284.456.02N | Bar-Coded, 300 | 337-360         | Pennyhead            | 24      |
| 284.456.02O | Bar-Coded, 300 | 361-384         | Pennyhead            | 24      |
| 284.456.02P | Bar-Coded, 300 | 385-408         | Pennyhead            | 24      |
| 284.456.02Q | Bar-Coded, 300 | 409-432         | Pennyhead            | 24      |



GLASS BORO 3.3

Chemical Resistant

WHITE PRINTING

| Item Code   | Capacity (ml)  | Number Sequence | Stopper (Glass Type) | Pack of |
|-------------|----------------|-----------------|----------------------|---------|
| 284.453.01  | 60             | Unnumbered      | Robotic              | 1       |
| 284.453.01A | 60             | 1-36            | Robotic              | 36      |
| 284.453.01B | 60             | 37-72           | Robotic              | 36      |
| 284.453.01C | 60             | 73-108          | Robotic              | 36      |
| 284.455.02  | 300            | Unnumbered      | Robotic              | 1       |
| 284.455.02A | Bar-Coded, 300 | 1-24            | Robotic              | 24      |
| 284.455.02B | Bar-Coded, 300 | 25-48           | Robotic              | 24      |
| 284.455.02C | Bar-Coded, 300 | 49-72           | Robotic              | 24      |
| 284.455.02D | Bar-Coded, 300 | 73-96           | Robotic              | 24      |
| 284.455.02E | Bar-Coded, 300 | 97-120          | Robotic              | 24      |
| 284.455.02F | Bar-Coded, 300 | 121-144         | Robotic              | 24      |
| 284.455.02G | Bar-Coded, 300 | 145-168         | Robotic              | 24      |
| 284.455.02H | Bar-Coded, 300 | 169-192         | Robotic              | 24      |
| 284.455.02I | Bar-Coded, 300 | 193-216         | Robotic              | 24      |
| 284.455.02J | Bar-Coded, 300 | 217-240         | Robotic              | 24      |
| 284.455.02K | Bar-Coded, 300 | 241-264         | Robotic              | 24      |
| 284.455.02L | Bar-Coded, 300 | 265-288         | Robotic              | 24      |
| 284.455.02M | Bar-Coded, 300 | 289-312         | Robotic              | 24      |
| 284.455.02N | Bar-Coded, 300 | 313-336         | Robotic              | 24      |
| 284.455.02O | Bar-Coded, 300 | 337-360         | Robotic              | 24      |
| 284.455.02P | Bar-Coded, 300 | 361-384         | Robotic              | 24      |
| 284.455.02Q | Bar-Coded, 300 | 385-408         | Robotic              | 24      |
| 284.455.02R | Bar-Coded, 300 | 409-432         | Robotic              | 24      |



GLASS BORO 3.3

Chemical Resistant

WHITE PRINTING

# Bottles



## Bottle, Snap Fit Cap for BOD Bottle 300 ml *New*



Buy Now!

| Item Code    | Capacity | Material      | Pack of |
|--------------|----------|---------------|---------|
| 284.450.02SC | 300 ml   | Polypropylene | 10      |



## Bottle, Culture, (Roux) Off-Set Neck

- These bottles are ideal for growing various type of cell cultures
- These bottles with stand multiple sterilization
- The neck of these bottles is tool finished for greater strength



Buy Now!

| Item Code  | Capacity (ml) | Approx. BxWxH (mm) | Approx. Neck I.D.(mm) | Pack of |
|------------|---------------|--------------------|-----------------------|---------|
| 288.202.07 | 1000          | 126 x 56 x 265     | 26                    | 2       |

GLASS  
BORO  
3.3

Chemical  
Resistant

WHITE  
PRINTING



## Bottle, Brush



Buy Now!

| Item Code  | Type          | Material | Pack of |
|------------|---------------|----------|---------|
| 593.303.01 | Bottles Brush | Nylon    | 50      |

Nylon

## Aspirator Bottles

- Made of Polypropylene and are therefore much lighter than glass
- These are autoclavable, durable & dependable
- The leakproof spigot screwed to the bottle body requires only a half turn to open or close
- These bottles are used for storing or dispensing distilled water & other laboratory solutions
- Threads should be totally disengage before autoclaving

| Item Code  | Capacity (Ltr.) | Pack of |
|------------|-----------------|---------|
| 108.303.04 | 2               | 1       |
| 108.303.01 | 6               | 1       |
| 108.303.02 | 10              | 1       |
| 108.303.03 | 20              | 1       |



Buy Now!



## Carboy

Material : Polypropylene, Autoclavable

| Item Code  | Capacity (Ltr.) | Pack of |
|------------|-----------------|---------|
| 195.303.01 | 10              | 1       |
| 195.303.02 | 20              | 1       |



Buy Now!







Buy Now!

## Carboy With Stop Cock

Material : Polypropylene, Autoclavable

| Item Code  | Capacity (Ltr.) | Pack of |
|------------|-----------------|---------|
| 196.303.01 | 10              | 1       |
| 196.303.02 | 20              | 1       |



Buy Now!

## Dropping Bottles

- Made from Low Density Polyethylene
- Dropping Bottles dispense small uniform drops of liquids when pressed lightly

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 105.303.01 | 60            | 12      |
| 105.303.02 | 125           | 12      |

## Reagent Bottles (Narrow Mouth)

- Made from Polypropylene
- The PP bottles are rigid, translucent and have excellent contact clarity
- These bottles can be autoclaved filled as well as empty
- On the other hand, the Polypropylene bottle too have excellent strength and are unbreakable
- The Polypropylene Cap has a built in seal ring to make these bottles leakproof

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 106.303.06 | 4             | 12      |
| 106.303.07 | 8             | 12      |
| 106.303.08 | 15            | 12      |
| 106.303.09 | 30            | 12      |
| 106.303.01 | 60            | 12      |
| 106.303.02 | 125           | 12      |
| 106.303.03 | 250           | 12      |
| 106.303.04 | 500           | 12      |
| 106.303.05 | 1000          | 6       |



## Reagent Bottles, Amber (Narrow Mouth)

- Made from HDPE
- The PP bottles are rigid, translucent and have excellent contact clarity
- These bottles can be autoclaved filled as well as empty
- On the other hand, the HDPE bot tle too have excellent strength and are unbreakable
- The HDPE Cap has a built in seal ring to make these bottles leakproof

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 106.379.01 | 4             | 12      |
| 106.379.02 | 8             | 12      |
| 106.379.03 | 15            | 12      |
| 106.379.04 | 30            | 12      |
| 106.379.05 | 60            | 12      |
| 106.379.06 | 125           | 12      |
| 106.379.07 | 250           | 12      |
| 106.379.08 | 500           | 12      |
| 106.379.09 | 1000          | 6       |





Buy Now!

## Reagent Bottles (Wide Mouth)

- Made from Polypropylene
- The PP bottles are rigid, translucent and have excellent contact clarity
- These bottles can be autoclaved filled as well as empty
- On the other hand, the Polypropylene bottle too have excellent strength and are unbreakable
- The Polypropylene Cap has a built in seal ring to make these bottles leakproof

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 107.303.01 | 60            | 12      |
| 107.303.02 | 125           | 12      |
| 107.303.03 | 250           | 12      |
| 107.303.04 | 500           | 12      |
| 107.303.05 | 1000          | 6       |
| 107.303.06 | 30            | 12      |



Buy Now!

## Reagent Bottles, Amber (Wide Mouth)

- Made from HDPE
- The PP bottles are rigid, translucent and have excellent contact clarity
- These bottles can be autoclaved filled as well as empty
- On the other hand, the HDPE bottle too have excellent strength and are unbreakable
- The HDPE Cap has a built in seal ring to make these bottles leakproof

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 107.379.01 | 30            | 12      |
| 107.379.02 | 60            | 12      |
| 107.379.03 | 125           | 12      |
| 107.379.04 | 250           | 12      |
| 107.379.05 | 500           | 12      |
| 107.379.06 | 1000          | 6       |

## Narrow Mouth Bottle

Material : Polypropylene, Autoclavable

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 197.303.01 | 4000          | 1       |



Buy Now!



## Wide Mouth Square Bottle

Material : Polypropylene, Autoclavable

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 198.303.01 | 4000          | 1       |



Buy Now!



# Bottles



## Heavy Duty Vacuum Bottle

Material : Polypropylene, Autoclavable



Buy Now!

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 199.303.01 | 2000          | 1       |



## Wash Bottles

- Made from Low Density Polyethylene which gives these bottles a translucent & unbreakable character
- Solutions can be poured easily by squeezing the bottle lightly
- The cap is fitted with a flexible polyethylene delivery tube which can be aimed wherever required



Buy Now!

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 109.303.01 | 125           | 12      |
| 109.303.02 | 250           | 12      |
| 109.303.03 | 500           | 6       |
| 109.303.04 | 1000          | 6       |



## Wash Bottles (New Type)

- Made from Low-Density Polyethylene are therefore translucent & unbreakable
- The distinguishing feature that these bottles have is the built in delivery tube, making it a one-piece Wash Bottle
- These Bottles are graduated on the outer surface to approximate idea the volume of the solution filled or dispensed



Buy Now!

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 110.303.01 | 250           | 12      |
| 110.303.02 | 500           | 12      |
| 110.303.03 | 125           | 12      |

## Designed For Safety :

- Minimizes spills and prevents breakage
- Meets secondary containment requirement
- Environmentally friendly
- No effect on product quality
- Suitable for 2.5 ltr. glass bottle
- Easy-to-use mechanism
- Does not contaminate liquids



## 6 Easy steps to greater lab safety.



**Step 1.**  
Disengage Bottom & top of Safe-Handle.



**Step 2.**  
Carefully place the bottle in the bottom portion of the Safe-Handle.



**Step 3.**  
Lower the Safe-Handle top over the neck of the bottle. Line up the indicator arrows to ensure assembly.



**Step 4.**  
When the bottle is empty, place the safe-handle on a flat surface. While holding the bottom handle with one hand, turn the top handle with the other hand in a clock wise direction until the lugs click into place.



**Step 5.**  
Lock the top of the container to the bottom by pressing the handle lock mechanism until it snaps together. Ensure that the locking mechanism is engaged before carrying or dispensing liquid.



**Step 4.**  
When the bottle is empty, place the safe-handle on a flat surface to disengage. Hold the bottom handle with one hand. Using the other hand rotate the top in a counter clockwise until the lugs are disengaged remove the top from the bottom.

| Item Code  | Description                                  | Pack of |
|------------|--|---------|
| 215.202.01 | Safety Jar for European 2.5 Ltr Glass Bottle | 1       |



Buy Now!

# Burette



Glassco burettes are manufactured from ASTM E-438, Class A, TYPE 1 Boro 3.3 heat resistant glass which meet DIN/ISO 385 and USP standards.

- Calibrated to deliver (TD, EX) 20° C
  - Manufactured from precision bore tubing for accuracy
  - With Schell batch tubes for accurate reading of meniscus
  - Calibrated on computer controlled machines
  - Rechecked on the quality control centre for highest accuracy
  - Class AS come with conformity batch certificate and with individual work certificate
  - Printed in blue colour, waiting time of 30 seconds
  - The CLASS-B burettes are printed in amber colour and have no waiting time
- Download your certificate now : [www.glasscolabs.com](http://www.glasscolabs.com) The burettes come with 4 different kind of stopcocks Glass Stopcock, PTFE Needle Valve Stopcock, PTFE Key Stopcock and Detachable Stopcock.

## Burettes with glass stopcock in Schellbach stripe, Class AS

- With Individual work Certificate
- Compliance with DIN ISO 385 and USP standard
- Printed in Blue colour
- Schellbach stripe for accurate menscus reading



Buy Now!

| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 110.223.01 | 10        | 0.05     | 0.03            | 1       |
| 110.223.02 | 25        | 0.1      | 0.05            | 1       |
| 110.223.03 | 50        | 0.1      | 0.05            | 1       |
| 110.223.04 | 100       | 0.2      | 0.1             | 1       |

## Burettes with glass stopcock in Schellbach stripe, Class AS

- With Batch Certificate
- Compliance with DIN ISO 385 and USP standard
- Printed in Blue colour
- Schellbach stripe for accurate menscus reading

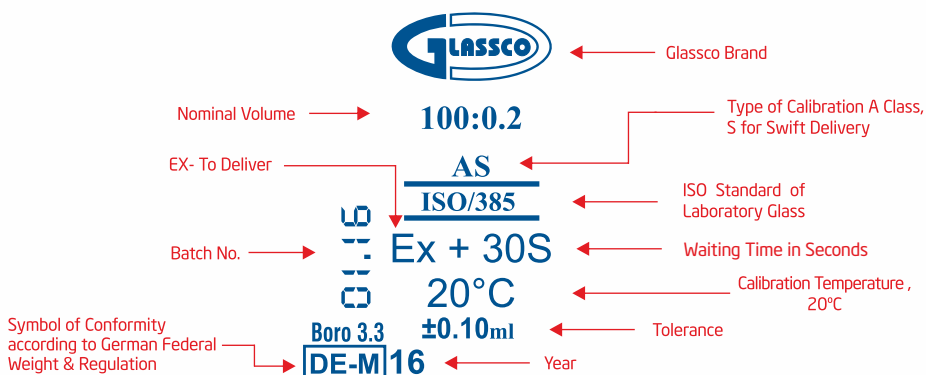


Buy Now!

| Item Code   | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|-------------|-----------|----------|-----------------|---------|
| 110.202.01A | 10        | 0.05     | 0.03            | 1       |
| 110.202.02A | 25        | 0.1      | 0.05            | 1       |
| 110.202.03A | 50        | 0.1      | 0.05            | 1       |
| 110.202.04A | 100       | 0.2      | 0.1             | 1       |



Schellbach stripe





## Burettes with glass stopcock in clear glass Class AS

- With Individual work Certificate
- Compliance with DIN/ISO 385 and USP standard
- Printed in Blue colour

| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 111.223.01 | 10        | 0.05     | 0.03            | 1       |
| 111.223.02 | 25        | 0.1      | 0.05            | 1       |
| 111.223.03 | 50        | 0.1      | 0.05            | 1       |
| 111.223.04 | 100       | 0.2      | 0.1             | 1       |



Buy Now!



## Burettes with glass stopcock in clear glass Class AS

- With Batch Certificate
- Compliance with DIN/ISO 385 and USP standard
- Printed in Blue colour

| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 111.202.01 | 10        | 0.05     | 0.03            | 1       |
| 111.202.02 | 25        | 0.1      | 0.05            | 1       |
| 111.202.03 | 50        | 0.1      | 0.05            | 1       |
| 111.202.04 | 100       | 0.2      | 0.1             | 1       |



Buy Now!



# Burette



Buy Now!

## Burettes Class B, with Glass Stopcock

- Compliance with DIN/ISO 385 standard
- With Glass Stopcock
- Printed in Amber colour

| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 110.224.01 | 10        | 0.05     | 0.05            | 1       |
| 110.224.02 | 25        | 0.1      | 0.10            | 1       |
| 110.224.03 | 50        | 0.1      | 0.10            | 1       |



Buy Now!

## Burettes with PTFE Needle Valve Stopcock in Schellbach stripe, Class AS

- With Individual work Certificate
- Compliance with DIN/ISO 385 and USP standards
- Printed in Blue colour
- Schellbach stripe for accurate menscus reading

| Item Code   | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|-------------|-----------|----------|-----------------|---------|
| 112.223.01A | 10        | 0.05     | 0.03            | 1       |
| 112.223.02A | 25        | 0.1      | 0.05            | 1       |
| 112.223.03A | 50        | 0.1      | 0.05            | 1       |
| 112.223.04A | 100       | 0.2      | 0.1             | 1       |



Schellbach stripe

## Burettes with PTFE needle valve stopcock in Schellbach stripe, Class AS

- With Batch Certificate
- Compliance with DIN/ISO 385 and USP standards
- Printed in Blue colour
- Schellbach stripe for accurate menscus reading

| Item Code   | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|-------------|-----------|----------|-----------------------|---------|
| 112.202.01A | 10        | 0.05     | 0.03                  | 1       |
| 112.202.02A | 25        | 0.1      | 0.05                  | 1       |
| 112.202.03A | 50        | 0.1      | 0.05                  | 1       |
| 112.202.04A | 100       | 0.2      | 0.1                   | 1       |



Schellbach stripe



Buy Now!



## Burettes with PTFE needle valve stopcock, Class AS

- With Individual work Certificate
- Compliance with DIN/ISO 385 and USP standards
- Printed in Blue colour

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 113.223.01 | 10        | 0.05     | 0.03                  | 1       |
| 113.223.02 | 25        | 0.1      | 0.05                  | 1       |
| 113.223.03 | 50        | 0.1      | 0.05                  | 1       |
| 113.223.04 | 100       | 0.2      | 0.1                   | 1       |



Buy Now!



# Burette



Buy Now!

## Burettes with PTFE Needle Valve Stopcock, Class AS, clear glass

- With Batch Certificate
- Compliance with DIN/ISO 385 and USP standards
- Printed in Blue colour

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 113.202.01 | 10        | 0.05     | 0.03                  | 1       |
| 113.202.02 | 25        | 0.1      | 0.05                  | 1       |
| 113.202.03 | 50        | 0.1      | 0.05                  | 1       |
| 113.202.04 | 100       | 0.2      | 0.1                   | 1       |



Buy Now!

## Burettes Class B with PTFE Needle Valve Stopcock

- Compliance with DIN/ISO 385 standard
- PTFE Needle valve stopcock
- Printed in Amber colour

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 112.224.01 | 10        | 0.05     | 0.03                  | 1       |
| 112.224.02 | 25        | 0.1      | 0.05                  | 1       |
| 112.224.03 | 50        | 0.1      | 0.05                  | 1       |

## Burettes with PTFE Key Stopcock, in Schellbach Stripe, Class AS

- With Individual work Certificate
- Compliance with DIN ISO 385 and USP standard
- Printed in Blue colour
- Schellbach stripe for accurate menscus reading

| Item Code   | Cap. (ml) | Division | Tolerance (± ml) | Pack of |
|-------------|-----------|----------|------------------|---------|
| 114.223.04A | 10        | 0.05     | 0.03             | 1       |
| 114.223.05A | 25        | 0.1      | 0.05             | 1       |
| 114.223.06A | 50        | 0.1      | 0.05             | 1       |
| 114.223.07A | 100       | 0.2      | 0.1              | 1       |



Buy Now!



Schellbach stripe



## Burettes with PTFE Key Stopcock, in Schellbach stripe, Class AS

- With Batch Certificate
- Compliance with DIN ISO 385 and USP standard
- Printed in Blue colour
- Schellbach stripe for accurate menscus reading

| Item Code   | Cap. (ml) | Division | Tolerance (± ml) | Pack of |
|-------------|-----------|----------|------------------|---------|
| 114.202.04A | 10        | 0.05     | 0.03             | 1       |
| 114.202.05A | 25        | 0.1      | 0.05             | 1       |
| 114.202.06A | 50        | 0.1      | 0.05             | 1       |
| 114.202.07A | 100       | 0.2      | 0.1              | 1       |



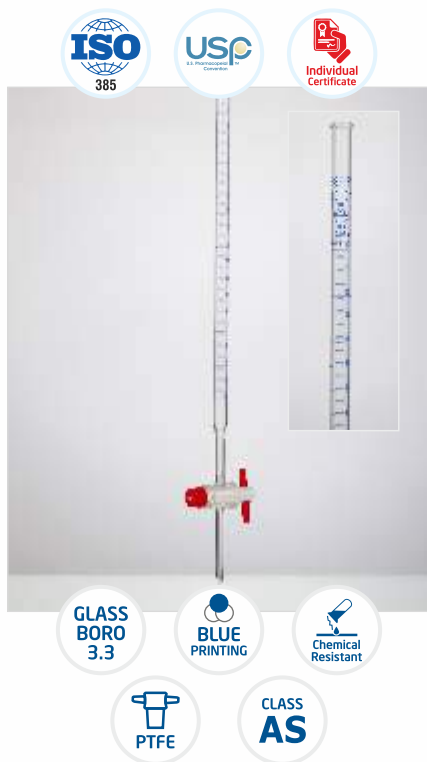
Buy Now!



Schellbach stripe



# Burette

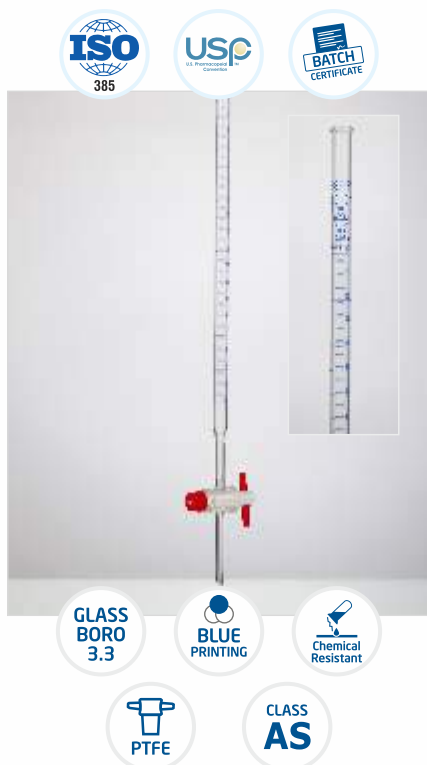


Buy Now!

## Burettes with PTFE Key stopcock clear glass, Class AS

- With Individual work Certificate
- Compliance with DIN/ISO 385 and USP standards
- Printed in blue colour

| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 115.223.01 | 10        | 0.05     | 0.03            | 1       |
| 115.223.02 | 25        | 0.1      | 0.05            | 1       |
| 115.223.03 | 50        | 0.1      | 0.05            | 1       |
| 115.223.04 | 100       | 0.2      | 0.1             | 1       |



Buy Now!

## Burettes with PTFE Key Stopcock clear glass, Class AS

- With Batch Certificate
- Compliance with DIN/ISO 385 and USP standards
- Printed in blue colour

| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 115.202.01 | 10        | 0.05     | 0.03            | 1       |
| 115.202.02 | 25        | 0.1      | 0.05            | 1       |
| 115.202.03 | 50        | 0.1      | 0.05            | 1       |
| 115.202.04 | 100       | 0.2      | 0.1             | 1       |

## Burettes Class B with PTFE Key Stopcock

- Compliance with DIN/ISO 385 standard
- Printed in Amber Colour

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 114.224.01 | 10        | 0.05     | 0.05                  | 1       |
| 114.224.02 | 25        | 0.1      | 0.10                  | 1       |
| 114.224.03 | 50        | 0.1      | 0.10                  | 1       |



Buy Now!



## Burettes, Economy Model, Class B with Detachable Stopcock PP with PTFE Key

- Compliance with DIN/ISO 385 standard
- Printed in Amber Colour

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 109.224.03 | 50        | 0.10     | 0.10                  | 1       |



Buy Now!





# Burette



Buy Now!

## Burettes with PTFE Detachable Stopcocks in Schellbach stripe, Class AS

- With Individual work Certificate
- Compliance with DIN ISO 385 and USP standards
- Printed with blue colour
- Schellbach stripe for accurate menscus reading

| Item Code   | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|-------------|-----------|----------|-----------------------|---------|
| 117.223.01A | 10        | 0.05     | 0.03                  | 1       |
| 117.223.02A | 25        | 0.1      | 0.05                  | 1       |
| 117.223.03A | 50        | 0.1      | 0.05                  | 1       |



Schellbach stripe



Buy Now!

## Burettes with PTFE Detachable Stopcocks in Schellbach stripe, Class AS

- With Batch Certificate
- Compliance with DIN ISO 385 and USP standards
- Printed with blue colour
- Schellbach stripe for accurate menscus reading

| Item Code   | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|-------------|-----------|----------|-----------------------|---------|
| 117.202.01A | 10        | 0.05     | 0.03                  | 1       |
| 117.202.02A | 25        | 0.1      | 0.05                  | 1       |
| 117.202.03A | 50        | 0.1      | 0.05                  | 1       |



Schellbach stripe

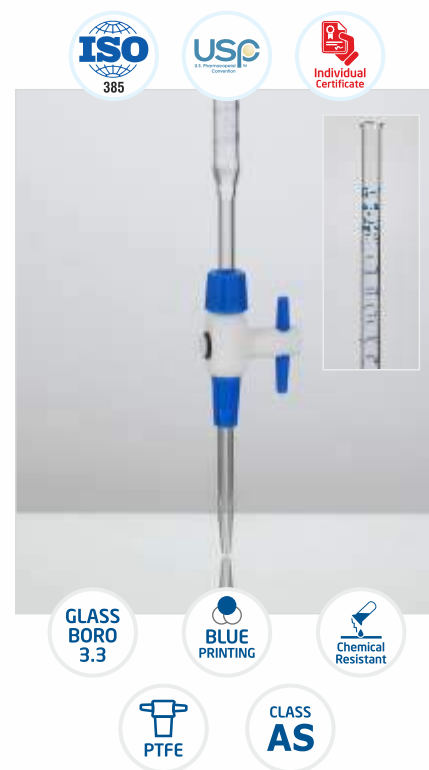
## Burettes with PTFE Detachable Stopcock clear Glass, Class AS

- With Individual work Certificate
- Compliance with DIN/ISO 385 and USP standards
- Printed in blue colour

| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 117.223.01 | 10        | 0.05     | 0.03            | 1       |
| 117.223.02 | 25        | 0.1      | 0.05            | 1       |
| 117.223.03 | 50        | 0.1      | 0.05            | 1       |



Buy Now!



## Burettes with PTFE Detachable Stopcock clear Glass, Class AS

- With Individual work Certificate
- Compliance with DIN/ISO 385 and USP standards
- Printed in blue colour

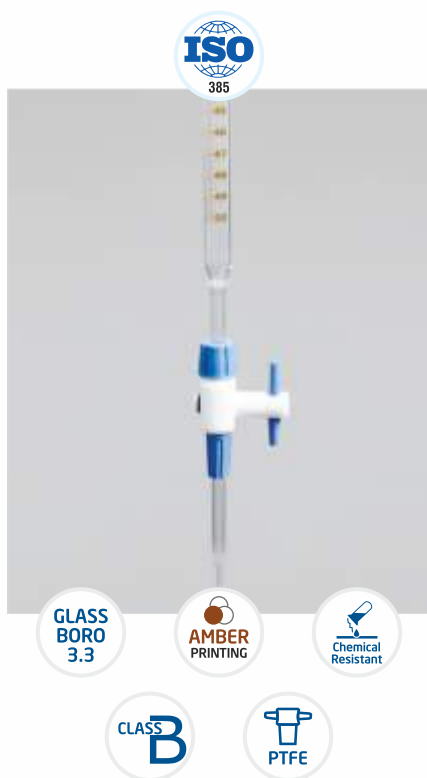
| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 117.202.01 | 10        | 0.05     | 0.03            | 1       |
| 117.202.02 | 25        | 0.1      | 0.05            | 1       |
| 117.202.03 | 50        | 0.1      | 0.05            | 1       |



Buy Now!



# Burette



Buy Now!

## Burettes Class B with PTFE Detachable Stopcock

- Compliance with DIN/ISO 385 standard
- Printed in Amber Colour

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 117.224.01 | 10        | 0.05     | 0.05                  | 1       |
| 117.224.02 | 25        | 0.1      | 0.10                  | 1       |
| 117.224.03 | 50        | 0.1      | 0.10                  | 1       |



Buy Now!

## Burette

- Transparent acrylic body and a leakproof stopcock fitted with a self lubricating PTFE plug
- Each Burette is individually calibrated to give maximum accuracy
- Acrylic body is not affected by dilute mineral acids & bases except Hydrofloric Acid & Ammonium Hydroxide
- The pH range of 1-14 is ideal and can be used up to 5% wt/wt of acids or 30 % bases.
- Polymethyl Methacrylate / TPX

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 103.303.01 | 25            | 10      |
| 103.303.02 | 50            | 10      |
| 103.303.03 | 100           | 10      |

## ASTM-Burettes

### Burette Serialized/Certified, CLASS-A, with PTFE Key Stopcock

- Calibrated to meet ASTM E-287 Specifications
- Each burette is individually serialized
- Supplied with certificate of identification and capacity
- Traceable to NIST standards
- The burettes are printed in blue enamel.

| Item Code  | Cap. (ml) | Division | Tolerance (± ml) | Pack of |
|------------|-----------|----------|------------------|---------|
| 115.451.01 | 10        | 0.05     | 0.02             | 1       |
| 115.451.02 | 25        | 0.1      | 0.03             | 1       |
| 115.451.03 | 50        | 0.1      | 0.05             | 1       |
| 115.451.04 | 100       | 0.2      | 0.1              | 1       |



Buy Now!



### Burette Unserialized Class A, With PTFE Key Stopcock

- Calibrated to meet ASTM E 287 Specifications
- Calibrated according to class A norms and accordingly a batch certificate is issued
- The burettes are printed in blue enamel

| Item Code  | Cap. (ml) | Division | Tolerance (± ml) | Pack of |
|------------|-----------|----------|------------------|---------|
| 115.452.01 | 10        | 0.05     | 0.02             | 1       |
| 115.452.02 | 25        | 0.1      | 0.03             | 1       |
| 115.452.03 | 50        | 0.1      | 0.05             | 1       |
| 115.452.04 | 100       | 0.2      | 0.1              | 1       |



Buy Now!



# Burette



Buy Now!

**Burette Class-B, with PTFE Key Stopcock**, to meet ASTM E 287 Specifications.

- These Burettes are suitable for use in schools and institutional laboratories not requiring the accuracy of CLASS-A
- These are printed in amber colour enamel

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 114.424.01 | 10        | 0.05     | 0.04                  | 1       |
| 114.424.02 | 25        | 0.1      | 0.06                  | 1       |
| 114.424.03 | 50        | 0.1      | 0.10                  | 1       |

## Brush, Burette



Buy Now!

| Item Code  | Type          | Material | Pack of |
|------------|---------------|----------|---------|
| 593.303.07 | Burette Brush | Nylon    | 50      |

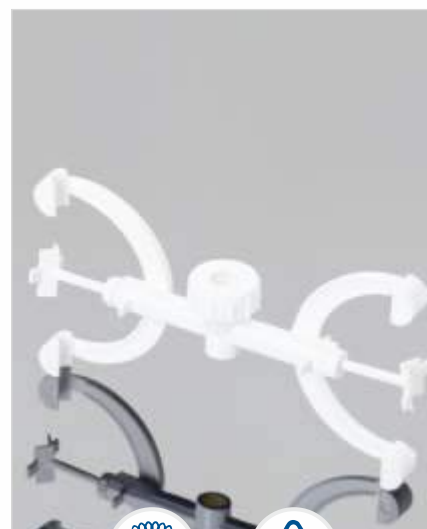
## Burette, Fisher Clamp

- Moulded in Polypropylene making it completely corrosion proof
- The spring loaded jack in the middle provides a vice like grip to the Burette and prevents it from slipping
- Two tapered wedges are provided to ensure firm grip on rods having dia 1/2" or 3/8"
- Made from Polypropylene

| Item Code  | Type                  | Pack of |
|------------|-----------------------|---------|
| 112.303.01 | Fisher Clamp - Single | 12      |
| 112.303.02 | Fisher Clamp - Double | 6       |



Buy Now!



## Burette, Clamp

- Made of Aluminium, die casted, blue painted, black rubber sleeves for firm gripping of burettes.
- With adjustable clamps to hold upto 30 mm, spring type, thumb screw key for retort rods upto 16 mm dia.

| Item Code  | Type   | Pack of |
|------------|--------|---------|
| 394.303.01 | Single | 12      |
| 394.303.02 | Double | 6       |



Buy Now!



## Burette, Clamp, Mild Steel

- Mild Steel
- Chrome Coated,
- Fisher Type with Boss Head, Single



MS



Buy Now!

| Item Code  | Type           | Max. Temp. | Pack of |
|------------|----------------|------------|---------|
| 318.303.01 | PVC Sleeve     | 80°C       | 12      |
| 318.303.02 | Silicon Sleeve | 280°C      | 12      |

## Burette, Clamp, Mild Steel

- Mild Steel
- Black Powder Coated
- Fisher Type with Boss Head, Single



MS



Buy Now!

| Item Code  | Type           | Max. Temp. | Pack of |
|------------|----------------|------------|---------|
| 319.303.01 | PVC Sleeve     | 80°C       | 12      |
| 319.303.02 | Silicon Sleeve | 280°C      | 12      |



## Burette, Clamp, Mild Steel

- Mild Steel
- Chrome Coated,
- Fisher Type with Boss Head, Double

| Item Code  | Type           | Max. Temp. | Pack of |
|------------|----------------|------------|---------|
| 320.303.01 | PVC Sleeve     | 80°C       | 6       |
| 320.303.02 | Silicon Sleeve | 280°C      | 6       |



Buy Now!



MS



## Burette, Clamp, Mild Steel

- Mild Steel
- Black Powder Coated,
- Fisher Type with Boss Head, Double

| Item Code  | Type           | Max. Temp. | Pack of |
|------------|----------------|------------|---------|
| 321.303.01 | PVC Sleeve     | 80°C       | 6       |
| 321.303.02 | Silicon Sleeve | 280°C      | 6       |



Buy Now!



MS



# Burette Automatic

Glassco burettes are manufactured from ASTM E-438 TYPE 1 CLASS A BORO 3.3 heat resistant glass which meet DIN ISO 385 standards. Each and every piece is calibrated to deliver (TD, EX) +20°C. All A CLASS burettes are manufactured from precision bore tubing for accuracy. These burettes come with PTFE Needle Valve Stopcock. These all AS class burettes come with Batch Certificate, and Accessories like Bottle and Rubber below. The printing of the burettes is done in blue colour for better visibility. These burettes are also offered in Schellbach printing which helps in accurate reading of meniscus.

**New Design :** The automatic burette features a detachable stopcock arm to facilitate, easy cleaning, replace and packaging



Buy Now!

## Automatic Burette in Schellbach stripe, Class AS

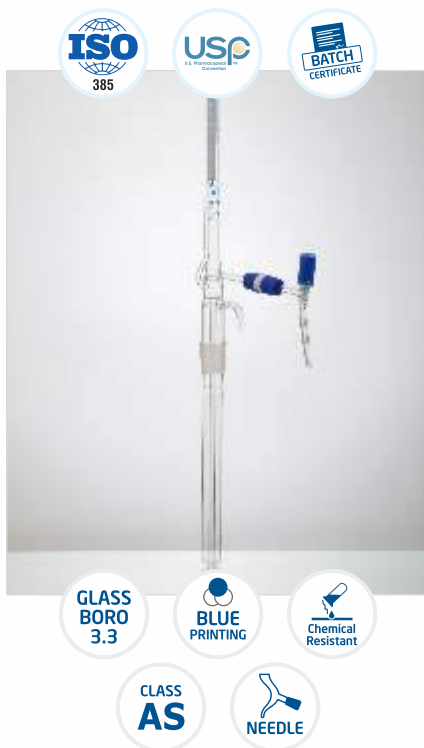
- With Batch Certificate
- With Intermediate PTFE Stopcock
- Complies with DIN/ISO 385 standard
- Schellbach stripe for accurate menscus reading

| Item Code  | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|------------|-----------|----------|-----------------|---------|
| 118.246.01 | 10        | 0.05     | 0.03            | 1       |
| 118.246.02 | 25        | 0.1      | 0.05            | 1       |
| 118.246.03 | 50        | 0.1      | 0.05            | 1       |



Schellbach stripe

**Accessories like bottle & rubber below order separately** (For reference go to page no 96)  
**Ps:** These burettes can also be supplied in amber color. Please ask for the same separately



Buy Now!

## Automatic Burette in Schellbach stripe, Class AS

- With Batch Certificate
- With Intermediate PTFE Stopcock
- Complies with DIN/ISO 385 standard
- Schellbach stripe for accurate menscus reading

| Item Code   | Cap. (ml) | Division | Tolerance (±ml) | Pack of |
|-------------|-----------|----------|-----------------|---------|
| 118.245.01A | 10        | 0.05     | 0.03            | 1       |
| 118.245.02A | 25        | 0.1      | 0.05            | 1       |
| 118.245.03A | 50        | 0.1      | 0.05            | 1       |



Schellbach stripe

**Accessories like bottle & rubber below order separately** (For reference go to page no 96)  
**Ps:** These burettes can also be supplied in amber color. Please ask for the same separately

## Automatic Burette, Class AS

- With Batch Certificate
- With Intermediate PTFE Key Stopcock
- Complies with DIN/ISO 385 standard

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 118.256.01 | 10        | 0.05     | 0.03                  | 1       |
| 118.256.02 | 25        | 0.1      | 0.05                  | 1       |
| 118.256.03 | 50        | 0.1      | 0.05                  | 1       |



Buy Now!

**Accessories like bottle & rubber below order separately** (For reference go to page no 96)

**Ps:** These burettes can also be supplied in amber color. Please ask for the same separately



## Automatic Burette, Class AS

- With Batch Certificate
- With Intermediate PTFE Key Stopcock
- Complies with DIN/ISO 385 standard

| Item Code  | Cap. (ml) | Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|----------|-----------------------|---------|
| 118.255.01 | 10        | 0.05     | 0.03                  | 1       |
| 118.255.02 | 25        | 0.1      | 0.05                  | 1       |
| 118.255.03 | 50        | 0.1      | 0.05                  | 1       |



Buy Now!

**Accessories like bottle & rubber below order separately** (For reference go to page no 96)

**Ps:** These burettes can also be supplied in amber color. Please ask for the same separately



# Burette Automatic



## Automatic Burette, Unserialized

- With Batch Certificate
- Compliance with ASTM E-287 Standard
- With Intermediate PTFE Key Stopcock And With Needle Valve Stopcock



Buy Now!

| Item Code  | Cap. (ml) | Grad Interval (ml) | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|--------------------|-----------------------|---------|
| 118.456.01 | 10        | 0.05               | 0.02                  | 1       |
| 118.456.02 | 25        | 0.1                | 0.03                  | 1       |
| 118.456.03 | 50        | 0.1                | 0.05                  | 1       |

*Accessories like bottle & rubber below order separately (For reference go to page no 96)  
Ps: These burettes can also be supplied in amber color. Please ask for the same separately*



## Automatic Glass Burette in Schellbach stripe, Class B *New*

- With Plastic Bottle 1000 ml
- With Plastic Clamp, Stand & PTFE PIPE
- Complies with DIN/ISO 385 standard
- Schellbach stripe for accurate menscus reading



Buy Now!

| Item Code  | Cap. (ml) | Sub Division | Tolerance ( $\pm$ ml) | Pack of |
|------------|-----------|--------------|-----------------------|---------|
| 118.224.01 | 10        | 0.05         | 0.05                  | 1       |
| 118.224.02 | 25        | 0.10         | 0.10                  | 1       |
| 118.224.03 | 50        | 0.10         | 0.10                  | 1       |



Schellbach stripe



## Bottles, For Automatic Burette

| Item Code  | Capacity (ml) | Suitable for Burette (ml) | N/S Size (mm) | Pack of |
|------------|---------------|---------------------------|---------------|---------|
| 118.272.01 | 500           | 10                        | 24/29         | 1       |
| 118.272.02 | 2000          | 25 & 50                   | 29/32         | 1       |



Buy Now!



GLASS BORO 3.3



WHITE PRINTING

## Burette, Chloroform Bellow with Cotton Net :

For use with automatic burettes

| Item Code  | Pack of |
|------------|---------|
| 412.303.01 | 4       |



Buy Now!



## Burette, Atomizer Bulb :

Typically, an atomizer is used to dispense something in small, controlled amounts

| Item Code  | Pack of |
|------------|---------|
| 413.303.01 | 4       |



Buy Now!





Buy Now!

## Column, Chromatography, Plain

- Simple and economical column - ideal for educational use
- With chemically resistant glass sintered disc - porosity 1
- Made from Boro 3.3 Glass as per ISO 3585

| Item Code  | Cap. (ml) | Body O.D. (mm) | Length excluding stem (mm) | Stem O.D. (mm) | Pack of |
|------------|-----------|----------------|----------------------------|----------------|---------|
| 218.212.03 | 30        | 14             | 355                        | 8              | 5       |



Buy Now!

## Column, Chromatography with PTFE Needle Valve stopcock

- With PTFE Rotaflow stopcock for fine control of eluent flow
- Chemically resistant glass sintered disc - porosity 0
- Ground glass socket accepts reservoirs
- Manufactured from Boro 3.3 Glass

| Item Code  | I.D. (mm) | Effective Length (mm) | Socket Size | Pack of |
|------------|-----------|-----------------------|-------------|---------|
| 220.202.01 | 10        | 100                   | 14/23       | 1       |
| 220.202.02 | 10        | 200                   | 14/23       | 1       |
| 220.202.03 | 10        | 300                   | 14/23       | 1       |
| 220.202.04 | 10        | 400                   | 14/23       | 1       |
| 220.202.05 | 20        | 200                   | 19/26       | 1       |
| 220.202.06 | 20        | 300                   | 19/26       | 1       |
| 220.202.07 | 20        | 400                   | 19/26       | 1       |
| 220.202.08 | 20        | 500                   | 19/26       | 1       |
| 220.202.09 | 26        | 400                   | 24/29       | 1       |
| 220.202.10 | 26        | 500                   | 24/29       | 1       |
| 220.202.11 | 30        | 400                   | 29/32       | 1       |
| 220.202.12 | 30        | 500                   | 29/32       | 1       |
| 220.202.13 | 30        | 400                   | 34/35       | 1       |
| 220.202.14 | 30        | 500                   | 34/35       | 1       |
| 220.202.15 | 40        | 400                   | 40/38       | 1       |
| 220.202.16 | 40        | 500                   | 40/38       | 1       |

## Column, Chromatography, columns with frit and socket

- Made of Boro 3.3 glass
- Chromatographic columns
- With sintered/ frit/ disc (porosity: 0),
- With PTFE stopcock 2 mm bore

| Item Code  | Effective length (mm) | I.D. (mm) | Cap. (ml) | Stopcock (Description) | N/S   | Pack of |
|------------|-----------------------|-----------|-----------|------------------------|-------|---------|
| 221.212.01 | 100                   | 10        | 8         | PTFE                   | 14/23 | 1       |
| 221.212.02 | 200                   | 10        | 15        | PTFE                   | 14/23 | 1       |
| 221.212.03 | 200                   | 15        | 35        | PTFE                   | 14/23 | 1       |
| 221.212.04 | 300                   | 10        | 23        | PTFE                   | 14/23 | 1       |
| 221.212.05 | 400                   | 20        | 125       | PTFE                   | 29/32 | 1       |
| 221.212.07 | 600                   | 30        | 430       | PTFE                   | 29/32 | 1       |



Buy Now!



## Column, Chromatography, columns with frit,

- With socket and cone
- With PTFE stopcock
- With sintered frit (porosity: 0), with suction tube (thread GL 14)
- Made of Boro 3.3 Glass

| Item Code   | Effective length (mm) | Internal Dia (mm) | Capacity (ml) | Socket & Cone (NS) | Pack of |
|-------------|-----------------------|-------------------|---------------|--------------------|---------|
| 212.202.02  | 200                   | 15                | 35            | 14/23              | 1       |
| 212.202.04  | 400                   | 20                | 120           | 14/23              | 1       |
| 212.202.04D | 400                   | 30                | 280           | 29/32              | 1       |
| 212.202.06D | 600                   | 30                | 430           | 29/32              | 1       |



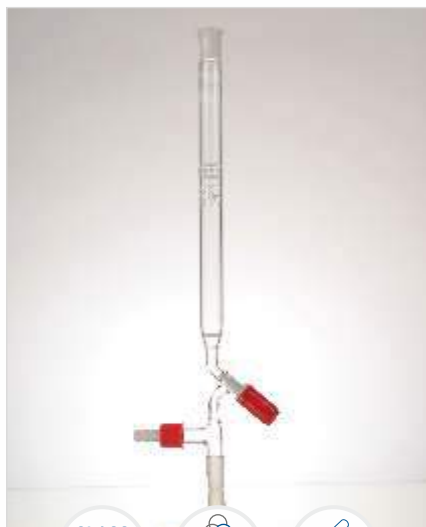
Buy Now!





## Column, Chromatography, columns with frit disc

- Made of Boro 3.3 Glass
- with socket and cone
- with needle-valve stopcock, Boro (0-3mm)
- with sintered frit (porosity: 0), with suction tube (thread GL 14)



Buy Now!

| Item Code   | Effective length (mm) | Internal Dia (mm) | Capacity (ml) | Socket & Cone (NS) | Pack of |
|-------------|-----------------------|-------------------|---------------|--------------------|---------|
| 213.202.02  | 200                   | 15                | 35            | 14/23              | 1       |
| 213.202.04  | 400                   | 20                | 120           | 14/23              | 1       |
| 213.202.04D | 400                   | 30                | 280           | 29/32              | 1       |
| 213.202.06D | 600                   | 30                | 430           | 29/32              | 1       |



## Column, Chromatography

- Heavy wall Design
- General purpose column, has a PTFE stopcock and a top outer joint for flash chromatography



Buy Now!

| Item Code  | Socket | Size (mm) | Bore (mm) | Pack of |
|------------|--------|-----------|-----------|---------|
| 221.475.01 | 24/40  | 17x305    | 2         | 1       |
| 221.475.02 | 24/40  | 32x457    | 2         | 1       |



## Column, Chromatography Column with Joint Fritted Disc and PTFE Stopcock

- General purpose column, has a PTFE stopcock, a top outer joint and with a coarse porosity fritted disc to support column packing

| Item Code  | Socket | Size (mm) | Bore (mm) | Pack of |
|------------|--------|-----------|-----------|---------|
| 221.477.03 | 24/40  | 40x457    | 2         | 1       |



Buy Now!



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

PTFE

ONE  
SOCKET

## Column, Chromatography with PTFE Stopcock and Fritted Disc

- With reinforced beaded top, coarse porosity fritted disc to support column packing.
- All columns are heavy wall designed to increase safety.

| Item Code  | Size (mm) | Bore (mm) | Pack of |
|------------|-----------|-----------|---------|
| 221.204.06 | 40x457    | 2         | 1       |



Buy Now!



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

PTFE



Buy Now!

## Column, Chromatography with grounded cone

- With glass sintered disc - porosity 0
- Upper socket can be connected to a stopcock adapter to control eluent flow
- Manufactured from borosilicate glass

| Item Code  | I.D. (mm) | Effective length (mm) | Overall length (mm) | Socket Size | Cone Size | Pack of |
|------------|-----------|-----------------------|---------------------|-------------|-----------|---------|
| 223.202.01 | 18        | 200                   | 310                 | 24/29       | 19/26     | 1       |
| 223.202.02 | 18        | 300                   | 415                 | 24/29       | 19/26     | 1       |
| 223.202.03 | 18        | 400                   | 515                 | 24/29       | 19/26     | 1       |



Buy Now!

## Column, acc. to Vigreux With socket and cone

- Made of Boro 3.3 glass
- Without glass jacket, horizontal and lateral indentations

| Item Code   | Effective length (mm) | Cone and Socket (NS) | Pack of |
|-------------|-----------------------|----------------------|---------|
| 197.204.01  | 100                   | 10/19                | 1       |
| 197.204.02  | 200                   | 10/19                | 1       |
| 197.204.05A | 300                   | 14/23                | 1       |
| 197.204.05C | 300                   | 24/29                | 1       |
| 197.204.05D | 300                   | 29/32                | 1       |
| 197.204.03  | 360                   | 29/32                | 1       |
| 197.204.06  | 600                   | 24/29                | 1       |
| 197.204.06A | 600                   | 29/32                | 1       |

## ASTM Sizes

| Item Code  | Effective length (mm) | Cone and Socket (NS) | Pack of |
|------------|-----------------------|----------------------|---------|
| 197.470.00 | 120                   | 14/20                | 1       |
| 197.470.09 | 300                   | 24/40                | 1       |



## Condenser, Air

- Manufactured from ASTM E-438, Type-1, Class, A Boro 3.3 Glass
- These are used for the condensation of material with boiling point above 150°C

| Item Code  | Socket Size | Cone Size | Effective Length (mm.) | Pack of |
|------------|-------------|-----------|------------------------|---------|
| 181.202.01 | 14/23       | 14/23     | 200                    | 1       |
| 181.202.02 | 19/26       | 19/26     | 200                    | 1       |
| 181.202.03 | 24/29       | 24/29     | 250                    | 1       |
| 181.202.04 | 19/26       | 19/26     | 400                    | 1       |
| 181.202.05 | 24/29       | 24/29     | 500                    | 1       |
| 181.202.06 | 34/35       | 34/35     | 500                    | 1       |
| 181.202.07 | 19/26       | 19/26     | 600                    | 1       |
| 181.202.08 | 24/29       | 24/29     | 750                    | 1       |
| 181.202.09 | -           | 19/26     | 750                    | 1       |
| 181.202.10 | -           | 24/29     | 750                    | 1       |
| 181.202.11 | -           | 19/26     | 1000                   | 1       |
| 181.202.12 | -           | 24/29     | 1000                   | 1       |

**PS :** All Condensers can be ordered with ASTM Joint Sizes on request.



Buy Now!



# Condensers

## Condenser, Leibig

- Compliance with DIN 12576
- Drip Tip
- Interchangeable Inner & Outer Joints.
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.



Buy Now!

| Item Code   | Socket | Effective Length (mm) | Cone  | Connector    | Pack of |
|-------------|--------|-----------------------|-------|--------------|---------|
| 182.181.01  | 14/23  | 160                   | 14/23 | Screw Thread | 1       |
| 182.181.01A | 19/26  | 160                   | 19/26 | Screw Thread | 1       |
| 182.181.02  | 19/26  | 250                   | 19/26 | Screw Thread | 1       |
| 182.181.03* | 24/29  | 250                   | 24/29 | Screw Thread | 1       |
| 182.181.3A  | 29/32  | 250                   | 29/32 | Screw Thread | 1       |
| 182.181.04* | 19/26  | 300                   | 19/26 | Screw Thread | 1       |
| 182.181.05* | 24/29  | 300                   | 24/29 | Screw Thread | 1       |
| 182.181.06* | 29/32  | 300                   | 29/32 | Screw Thread | 1       |
| 182.181.10* | 24/29  | 400                   | 24/29 | Screw Thread | 1       |
| 182.181.11  | 29/32  | 400                   | 29/32 | Screw Thread | 1       |

\* Non DIN

### ASTM Sizes

| Item Code  | Socket | Effective Length (mm) | Cone  | Connector    | Pack of |
|------------|--------|-----------------------|-------|--------------|---------|
| 182.481.01 | 14/20  | 120                   | 14/20 | Screw Thread | 1       |
| 182.481.02 | 19/22  | 180                   | 19/22 | Screw Thread | 1       |
| 182.481.03 | 24/40  | 200                   | 24/40 | Screw Thread | 1       |
| 182.481.05 | 24/40  | 300                   | 24/40 | Screw Thread | 1       |



Buy Now!

## Condenser, Leibig

- Compliance with DIN 12576
- Drip Tip
- Interchangeable Inner & Outer Joints.
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.



Buy Now!

| Item Code   | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|-------------|--------|-----------------------|-------|-----------|---------|
| 182.202.01  | 14/23  | 160                   | 14/23 | Glass     | 1       |
| 182.202.01A | 19/26  | 160                   | 19/26 | Glass     | 1       |
| 182.202.02  | 19/26  | 200                   | 19/26 | Glass     | 1       |
| 182.202.02  | 19/26  | 250                   | 19/26 | Glass     | 1       |
| 182.202.03* | 24/29  | 250                   | 24/29 | Glass     | 1       |
| 182.202.03A | 29/32  | 250                   | 29/32 | Glass     | 1       |
| 182.202.04* | 19/26  | 300                   | 19/26 | Glass     | 1       |
| 182.202.05* | 24/29  | 300                   | 24/29 | Glass     | 1       |
| 182.202.06* | 29/32  | 300                   | 29/32 | Glass     | 1       |
| 182.202.10* | 24/29  | 400                   | 24/29 | Glass     | 1       |
| 182.202.11  | 29/32  | 400                   | 29/32 | Glass     | 1       |

\* Non DIN

### ASTM Sizes

| Item Code  | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|------------|--------|-----------------------|-------|-----------|---------|
| 182.402.01 | 14/20  | 120                   | 14/20 | Glass     | 1       |
| 182.402.02 | 19/22  | 180                   | 19/22 | Glass     | 1       |
| 182.402.04 | 24/40  | 200                   | 24/40 | Glass     | 1       |
| 182.402.05 | 24/40  | 300                   | 24/40 | Glass     | 1       |



Buy Now!

## Condenser, Liebig

- Available with Sealed Inner Tube
- Made From Heat Resistant
- Low Expansion 3.3 Borosilicate Glass
- Made from **ASTM E-438**, Type-1, Class-A Boro 3.3 Glass
- Comes with Glass connector
- Highly efficient with large cooling surface
- Suitable for Distillation & Reflux applications.

| Item Code  | Approx Jacket Length (mm) | Approx. Overall Height (mm) | Connector | Pack of |
|------------|---------------------------|-----------------------------|-----------|---------|
| 182.407.02 | 200                       | 345                         | Glass     | 1       |
| 182.407.03 | 300                       | 445                         | Glass     | 1       |
| 182.407.04 | 400                       | 545                         | Glass     | 1       |
| 182.407.05 | 500                       | 645                         | Glass     | 1       |



Buy Now!



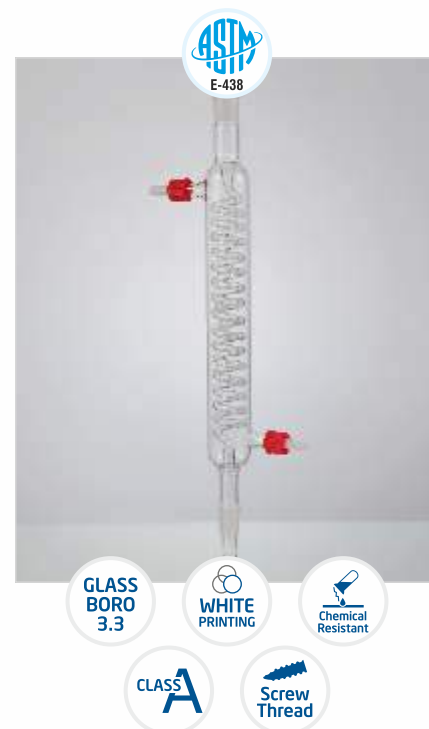
## Condenser Coil

- Complies with ASTM E-438, Type-1, Class A, Boro 3.3 Glass
- Comes with plastic screw thread connector
- Highly efficient with a large cooling surface
- Suitable for Distillation & Reflux applications

| Item Code   | Socket | Effective Length (mm) | Cone  | Connector    | Pack of |
|-------------|--------|-----------------------|-------|--------------|---------|
| 183.181.01  | 14/23  | 160                   | 14/23 | Screw Thread | 1       |
| 183.181.01A | 19/26  | 160                   | 19/26 | Screw Thread | 1       |
| 183.181.02A | 14/23  | 250                   | 14/23 | Screw Thread | 1       |
| 183.181.03  | 19/26  | 250                   | 19/26 | Screw Thread | 1       |
| 183.181.04  | 24/29  | 250                   | 24/29 | Screw Thread | 1       |
| 183.181.04A | 29/32  | 250                   | 29/32 | Screw Thread | 1       |
| 183.181.05  | 24/29  | 300                   | 24/29 | Screw Thread | 1       |
| 183.181.06  | 29/32  | 300                   | 29/32 | Screw Thread | 1       |
| 183.181.07  | 29/32  | 400                   | 29/32 | Screw Thread | 1       |



Buy Now!



## ASTM Sizes

| Item Code  | Socket | Effective Length (mm) | Cone  | Connector    | Pack of |
|------------|--------|-----------------------|-------|--------------|---------|
| 183.481.03 | 24/40  | 200                   | 24/40 | Screw Thread | 1       |
| 183.481.05 | 24/40  | 300                   | 24/40 | Screw Thread | 1       |
| 183.481.07 | 24/40  | 400                   | 24/40 | Screw Thread | 1       |



Buy Now!

# Condensers

## Condenser Coil

- Complies with ASTM E 438 type 1 Class A boro 3.3 Glass
- Comes with glass connectors
- Highly efficient with a large cooling surface
- Suitable for Distillation & Reflux applications



GLASS BORO 3.3



Buy Now!

| Item Code   | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|-------------|--------|-----------------------|-------|-----------|---------|
| 183.202.01  | 14/23  | 160                   | 14/23 | GLASS     | 1       |
| 183.202.01A | 19/26  | 160                   | 19/26 | GLASS     | 1       |
| 183.202.02A | 14/23  | 250                   | 14/23 | GLASS     | 1       |
| 183.202.03  | 19/26  | 250                   | 19/26 | GLASS     | 1       |
| 183.202.04  | 24/29  | 250                   | 24/29 | GLASS     | 1       |
| 183.202.04A | 29/32  | 250                   | 29/32 | GLASS     | 1       |
| 183.202.05  | 24/29  | 300                   | 24/29 | GLASS     | 1       |
| 183.202.06  | 29/32  | 300                   | 29/32 | GLASS     | 1       |
| 183.202.08  | 24/29  | 400                   | 24/29 | GLASS     | 1       |
| 183.202.07  | 29/32  | 400                   | 29/32 | GLASS     | 1       |
| 183.202.09  | 29/32  | 500                   | 29/32 | GLASS     | 1       |

## ASTM Sizes

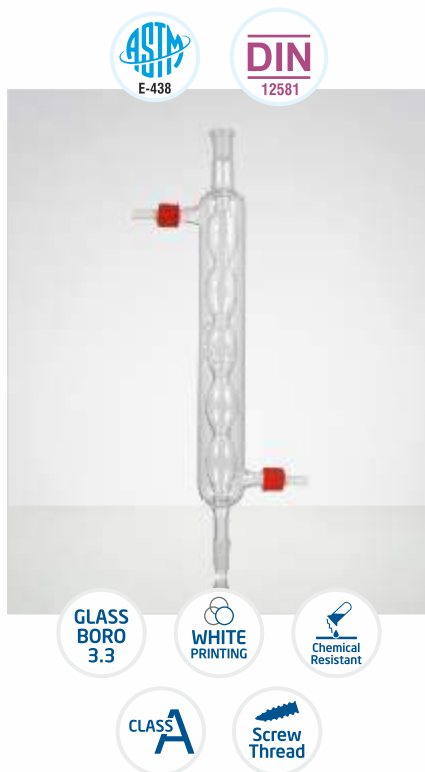
| Item Code  | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|------------|--------|-----------------------|-------|-----------|---------|
| 183.402.04 | 24/40  | 200                   | 24/40 | GLASS     | 1       |
| 183.402.05 | 24/40  | 300                   | 24/40 | GLASS     | 1       |
| 183.402.07 | 24/40  | 400                   | 24/40 | GLASS     | 1       |



Buy Now!

## Condenser Allihin

- Complies with ASTM E-438, Type-1, Class A, Boro 3.3 Glass
- Complies with DIN 12581
- Ideal for reflux and comes with plastic screw thread connector
- Inner bulb section provides increased cooling surface and is ideal for Reflux Applications



GLASS BORO 3.3



Buy Now!

| Item Code   | Socket | Effective Length (mm) | Cone  | Connector    | Pack of |
|-------------|--------|-----------------------|-------|--------------|---------|
| 190.181.05* | 14/23  | 160                   | 14/23 | Screw Thread | 1       |
| 190.181.06  | 19/26  | 160                   | 19/26 | Screw Thread | 1       |
| 190.181.07* | 14/23  | 250                   | 14/23 | Screw Thread | 1       |
| 190.181.08* | 19/26  | 250                   | 19/26 | Screw Thread | 1       |
| 190.181.09* | 24/29  | 250                   | 24/29 | Screw Thread | 1       |
| 190.181.09A | 29/32  | 250                   | 29/32 | Screw Thread | 1       |
| 190.181.10* | 24/29  | 300                   | 24/29 | Screw Thread | 1       |
| 190.181.11* | 29/32  | 300                   | 29/32 | Screw Thread | 1       |
| 190.181.12* | 24/29  | 400                   | 24/29 | Screw Thread | 1       |
| 190.181.13* | 29/32  | 400                   | 29/32 | Screw Thread | 1       |

\* Non Din

## ASTM Sizes

| Item Code  | Socket | Effective Length (mm) | Cone  | Connector    | Pack of |
|------------|--------|-----------------------|-------|--------------|---------|
| 190.482.09 | 24/40  | 200                   | 24/40 | Screw Thread | 1       |
| 190.482.11 | 24/40  | 300                   | 24/40 | Screw Thread | 1       |
| 190.482.13 | 24/40  | 400                   | 24/40 | Screw Thread | 1       |



Buy Now!

## Condenser Allihin

- Complies with ASTM E-438, Type-1, Class A, Boro 3.3 Glass
- Complies with DIN 12581
- Ideal for reflux and comes with glass connector
- Inner bulb section provides increased cooling surface and is ideal for Reflux Applications

| Item Code    | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|--------------|--------|-----------------------|-------|-----------|---------|
| 190.202.05*  | 14/23  | 160                   | 14/23 | GLASS     | 1       |
| 190.202.06   | 19/26  | 160                   | 19/26 | GLASS     | 1       |
| 190.204.06A* | 19/26  | 200                   | 19/26 | GLASS     | 1       |
| 190.202.07*  | 14/23  | 250                   | 14/23 | GLASS     | 1       |
| 190.202.08*  | 19/26  | 250                   | 19/26 | GLASS     | 1       |
| 190.202.09*  | 24/29  | 250                   | 24/29 | GLASS     | 1       |
| 190.202.09A  | 29/32  | 250                   | 29/32 | GLASS     | 1       |
| 190.202.10*  | 24/29  | 300                   | 24/29 | GLASS     | 1       |
| 190.202.11*  | 29/32  | 300                   | 29/32 | GLASS     | 1       |
| 190.202.12*  | 24/29  | 400                   | 24/29 | GLASS     | 1       |
| 190.202.13*  | 29/32  | 400                   | 29/32 | GLASS     | 1       |
| 190.202.14*  | 29/32  | 600                   | 29/32 | GLASS     | 1       |

\* Non Din

### ASTM Sizes

| Item Code  | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|------------|--------|-----------------------|-------|-----------|---------|
| 190.402.08 | 24/40  | 200                   | 24/40 | GLASS     | 1       |
| 190.402.10 | 24/40  | 300                   | 24/40 | GLASS     | 1       |
| 190.402.12 | 24/40  | 400                   | 24/40 | GLASS     | 1       |



Buy Now!



Buy Now!



## Condenser, Dimroth

- Compliance with DIN 12591
- Manufactured from ASTM E-438, Type-1, Class-A, Boro 3.3 Glass
- The condenser comes with plastic screw thread connector

| Item Code    | Socket | Effective Length (mm) | Cone  | Connector    | Pack of |
|--------------|--------|-----------------------|-------|--------------|---------|
| 190.181.01A* | 14/23  | 160                   | 14/23 | Screw Thread | 1       |
| 190.181.02A* | 19/26  | 160                   | 19/26 | Screw Thread | 1       |
| 190.181.03A* | 19/26  | 250                   | 19/26 | Screw Thread | 1       |
| 190.181.04A* | 24/29  | 250                   | 24/29 | Screw Thread | 1       |
| 190.181.05A* | 29/32  | 250                   | 29/32 | Screw Thread | 1       |
| 190.181.06A* | 24/29  | 300                   | 24/29 | Screw Thread | 1       |
| 190.181.07A* | 29/32  | 300                   | 29/32 | Screw Thread | 1       |
| 190.181.08A  | 29/32  | 400                   | 29/32 | Screw Thread | 1       |

\* Non Din



Buy Now!







Buy Now!

## Condenser, Dimroth

- Compliance with DIN 12591
- Manufactured from ASTM E-438, Type-1, Class-A, Boro 3.3 Glass
- The condenser comes with glass screw thread connector

| Item Code   | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|-------------|--------|-----------------------|-------|-----------|---------|
| 190.204.01* | 14/23  | 160                   | 14/23 | GLASS     | 1       |
| 190.204.02* | 19/26  | 160                   | 19/26 | GLASS     | 1       |
| 190.204.03* | 19/26  | 250                   | 19/26 | GLASS     | 1       |
| 190.204.04* | 24/29  | 250                   | 24/29 | GLASS     | 1       |
| 190.204.05  | 29/32  | 250                   | 29/32 | GLASS     | 1       |
| 190.204.06* | 24/29  | 300                   | 24/29 | GLASS     | 1       |
| 190.204.07* | 29/32  | 300                   | 29/32 | GLASS     | 1       |
| 190.204.08  | 29/32  | 400                   | 29/32 | GLASS     | 1       |

\* Non Din



Buy Now!

## Condenser, Double Surface

- Made From Heat Resistant Low Expansion 3.3 Borosilicate Glass

| Item Code  | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|------------|--------|-----------------------|-------|-----------|---------|
| 187.202.03 | 19/26  | 200                   | 19/26 | GLASS     | 1       |
| 187.202.04 | 24/29  | 200                   | 24/29 | GLASS     | 1       |
| 187.202.12 | 19/26  | 300                   | 19/26 | GLASS     | 1       |
| 187.202.13 | 24/29  | 300                   | 24/29 | GLASS     | 1       |

## ASTM Sizes



Buy Now!

| Item Code   | Socket | Effective Length (mm) | Cone  | Connector | Pack of |
|-------------|--------|-----------------------|-------|-----------|---------|
| 187.402.01  | 14/20  | 110                   | 14/20 | GLASS     | 1       |
| 187.402.02  | 19/22  | 110                   | 19/22 | GLASS     | 1       |
| 187.402.03A | 24/40  | 200                   | 24/40 | GLASS     | 1       |
| 187.402.03  | 19/22  | 200                   | 19/22 | GLASS     | 1       |

## Condenser, Friedrichs

- Drip Tip
- Interchangeable Inner and Outer Joint
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.

| Item Code  | Socket | Overall Height (mm) | Cone  | Connector | Pack of |
|------------|--------|---------------------|-------|-----------|---------|
| 180.202.10 | 24/29  | 350                 | 24/29 | GLASS     | 1       |



Buy Now!

### ASTM Sizes

| Item Code  | Socket | Overall Height (mm) | Cone  | Connector | Pack of |
|------------|--------|---------------------|-------|-----------|---------|
| 340.470.01 | 24/29  | 330                 | 24/40 | GLASS     | 1       |



Buy Now!



## Condenser, Reflux, Glass Connector

- Coil style reflux condenser with tightly warped coil providing maximum cooling
- Drip Tip

| Item Code  | Overall Height (mm) | Socket Size | Cone Size | Pack of |
|------------|---------------------|-------------|-----------|---------|
| 347.470.01 | 205 MM              | 14/20       | 14/20     | 1       |
| 347.470.04 | 365 MM              | 24/40       | 24/40     | 1       |



Buy Now!





Ceramic



Upto  
1150°C



Buy Now!

## Crucible, Porcelain (Euro Design), Squat Form

- Made of Ceramic
- With Lid
- Upto 1150°C

| Item Code  | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|------------|---------------|----------|-------------|---------|
| 522.303.13 | 2             | 18       | 12          | 6       |
| 522.303.14 | 8             | 32       | 20          | 6       |
| 522.303.15 | 17            | 41       | 26          | 4       |
| 522.303.16 | 30            | 50       | 31          | 4       |
| 522.303.17 | 50            | 61       | 37          | 4       |
| 522.303.18 | 100           | 76       | 46          | 2       |
| 522.303.19 | 150           | 84       | 52          | 2       |



Ceramic



Upto  
1150°C



Buy Now!

## Crucible, Porcelain (Euro Design)

- Made of Ceramic
- With Lid
- Upto 1150°C

| Item Code  | Capacity (ml) | Dia (mm) | Height (mm) | Type        | Pack of |
|------------|---------------|----------|-------------|-------------|---------|
| 523.303.11 | 1.3           | 15       | 15          | Tall Form   | 6       |
| 523.303.12 | 5             | 24       | 20          | Tall Form   | 6       |
| 523.303.13 | 10            | 31       | 26          | Medium Form | 4       |
| 523.303.14 | 15            | 35       | 29          | Medium Form | 4       |
| 523.303.15 | 30            | 45       | 36          | Medium Form | 4       |
| 523.303.16 | 45            | 50       | 40          | Medium Form | 2       |
| 523.303.17 | 50            | 53       | 43          | Medium Form | 2       |
| 523.303.18 | 100           | 65       | 54          | Medium Form | 2       |

## Crucible, Quartz

- Made of Quartz Gel & Powder,
- Tolerance upto 1200°C

| Item Code  | Size (ml) | Type        | Pack of |
|------------|-----------|-------------|---------|
| 521.303.01 | 15        | Without Lid | 4       |
| 521.303.02 | 25        | Without Lid | 4       |
| 521.303.03 | 50        | Without Lid | 2       |
| 521.303.04 | 100       | Without Lid | 2       |
| 521.303.05 | 15        | With Lid    | 4       |
| 521.303.06 | 25        | With Lid    | 4       |
| 521.303.07 | 50        | With Lid    | 2       |
| 521.303.08 | 100       | With Lid    | 2       |



Buy Now!



Quartz Gel



Upto 2000°C

TALL FORM

## Crucible, Silica

- With Lid
- Goes upto 1000°C

| Item Code  | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|------------|---------------|----------|-------------|---------|
| 518.303.01 | 15            | 41       | 25          | 6       |
| 518.303.02 | 25            | 47       | 28          | 6       |
| 518.303.03 | 50            | 57       | 37          | 6       |
| 518.303.04 | 80            | 67       | 45          | 4       |
| 518.303.05 | 100           | 71       | 50          | 4       |
| 518.303.06 | 150           | 82       | 51          | 4       |



Buy Now!



SiO<sub>2</sub>



Upto 1000°C

LOW FORM

# Crucibles



SiO<sub>2</sub>

Upto  
1000°C

LOW FORM

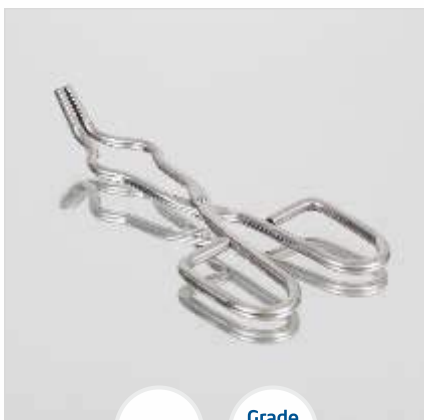


Buy Now!

## Crucible, Silica

- Without Lid
- Goes upto 1000°C

| Item Code  | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|------------|---------------|----------|-------------|---------|
| 519.303.01 | 15            | 41       | 25          | 6       |
| 519.303.02 | 25            | 47       | 28          | 6       |
| 519.303.03 | 50            | 57       | 37          | 6       |
| 519.303.04 | 80            | 67       | 45          | 4       |
| 519.303.05 | 100           | 71       | 50          | 4       |
| 519.303.06 | 150           | 82       | 51          | 4       |



SS

Grade  
202

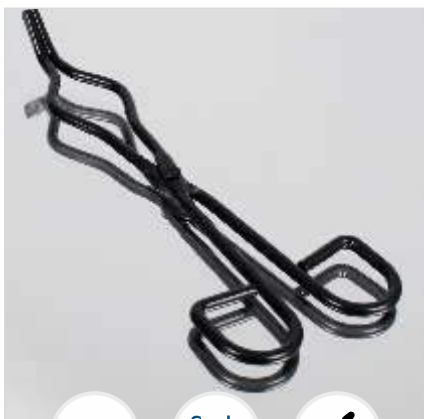


Buy Now!

## Crucible, Tong

- Made of SS, Grade 202

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 355.303.01 | 150       | 4       |
| 355.303.02 | 200       | 4       |
| 355.303.03 | 250       | 4       |
| 355.303.04 | 300       | 4       |
| 355.303.05 | 375       | 4       |
| 355.303.06 | 450       | 4       |
| 355.303.07 | 600       | 4       |



SS

Grade  
202

Black Paint



Buy Now!

## Crucible, Tong

- Made of mild steel
- Black painted/chrome plated

| Item Code  | Size (mm) | Type           | Pack of |
|------------|-----------|----------------|---------|
| 367.303.01 | 150       | Black Painted  | 4       |
| 367.303.02 | 200       | Black Painted  | 4       |
| 367.303.03 | 300       | Black Painted  | 4       |
| 367.303.04 | 150       | Chrome Painted | 4       |
| 367.303.05 | 200       | Chrome Painted | 4       |
| 367.303.06 | 300       | Chrome Painted | 4       |

## Crucible, Holders

- Available set of 7

| Item Code  | Type                             | Pack of |
|------------|----------------------------------|---------|
| 416.303.01 | Set of 7, made of Natural Rubber | 1       |
| 416.303.02 | Set of 7, made of Silicon        | 1       |



Buy Now!



Silicone

## Crucible, Filter, With Sintered Disc

- Made from ASTM E-438 type-1 Class A Boro 3.3 glass

| Item Code  | Porosity | Capacity (ml) | Pack of |
|------------|----------|---------------|---------|
| 255.G00.01 | 0        | 15            | 10      |
| 255.G01.01 | 1        | 15            | 10      |
| 255.G02.01 | 2        | 15            | 10      |
| 255.G03.01 | 3        | 15            | 10      |
| 255.G04.01 | 4        | 15            | 10      |
| 255.G05.01 | 5        | 15            | 10      |
| 255.G00.02 | 0        | 30            | 10      |
| 255.G01.02 | 1        | 30            | 10      |
| 255.G02.02 | 2        | 30            | 10      |
| 255.G03.02 | 3        | 30            | 10      |
| 255.G04.02 | 4        | 30            | 10      |
| 255.G05.04 | 5        | 30            | 10      |
| 255.G00.03 | 0        | 50            | 10      |
| 255.G01.03 | 1        | 50            | 10      |
| 255.G02.03 | 2        | 50            | 10      |
| 255.G03.03 | 3        | 50            | 10      |
| 255.G04.03 | 4        | 50            | 10      |
| 255.G05.03 | 5        | 50            | 10      |



Buy Now!



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

LOW FORM

# Cylinders

GLASSCO measuring cylinders are made from ASTM E – 438, TYPE-1, CLASS-A BORO 3.3 glass that meet ISO 4788 standard. The calibration is done on automatic computer controlled machines and are calibrated to contain (TC, In) according to the ISO & ASTM tolerance standards. All ISO Cylinders come with **DE-M** Mark printed on it.



Buy Now!

GLASS BORO 3.3

BLUE PRINTING

Chemical Resistant

CLASS A

HEXA BASE



Buy Now!

GLASS BORO 3.3

BLUE PRINTING

Chemical Resistant

CLASS A

HEXA BASE

## Measuring Cylinder with Hexagonal Base, Class-A

- Certificate as per DIN EN ISO 4788
- With individual work certificate

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.223.00A | 5             | 0.1               | 0.05                  | 1       |
| 139.223.01A | 10            | 0.2               | 0.10                  | 1       |
| 139.223.02A | 25            | 0.5               | 0.25                  | 1       |
| 139.223.03A | 50            | 1.0               | 0.50                  | 1       |
| 139.223.04A | 100           | 1.0               | 0.50                  | 1       |
| 139.223.05A | 250           | 2.0               | 1.00                  | 1       |
| 139.223.06A | 500           | 5.0               | 2.50                  | 1       |
| 139.223.07A | 1000          | 10.0              | 5.00                  | 1       |
| 139.223.08A | 2000          | 20.0              | 10.00                 | 1       |

## Measuring Cylinder with Hexagonal Base, Class-A

- Certificate as per DIN EN ISO 4788
- With conformity Batch certificate

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.202.00A | 5             | 0.1               | 0.05                  | 1       |
| 139.202.01A | 10            | 0.2               | 0.10                  | 1       |
| 139.202.02A | 25            | 0.5               | 0.25                  | 1       |
| 139.202.03A | 50            | 1.0               | 0.50                  | 1       |
| 139.202.04A | 100           | 1.0               | 0.50                  | 1       |
| 139.202.05A | 250           | 2.0               | 1.00                  | 1       |
| 139.202.06A | 500           | 5.0               | 2.50                  | 1       |
| 139.202.07A | 1000          | 10.0              | 5.00                  | 1       |
| 139.202.08A | 2000          | 20.0              | 10.00                 | 1       |

**PS :** To order B class low form cylinder go to page 99

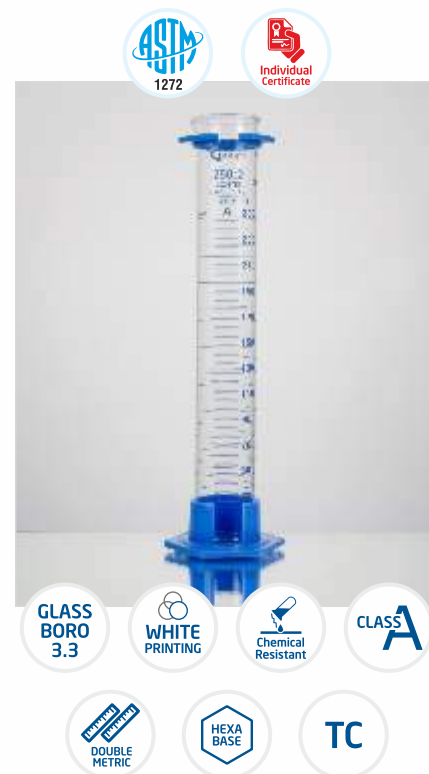
## Measuring Cylinder Graduated, Hex Base, Class A, serialized

- With Double Metric Scale, TC (To Contain)
- Individual work Certificate
- Cylinders are made to meet ASTM E 1272 norms
- Printed in white enamel
- All the cylinders from 10ml to 2000ml comes with the bumper guard

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.454.00A | 5             | 0.1               | 0.05                  | 1       |
| 139.454.01A | 10            | 0.1               | 0.1                   | 1       |
| 139.454.02A | 25            | 0.2               | 0.17                  | 1       |
| 139.454.03A | 50            | 1                 | 0.25                  | 1       |
| 139.454.04A | 100           | 1                 | 0.5                   | 1       |
| 139.454.05A | 250           | 2                 | 1                     | 1       |
| 139.454.06A | 500           | 5                 | 2                     | 1       |
| 139.454.07A | 1000          | 10                | 3                     | 1       |
| 139.454.08A | 2000          | 20                | 6                     | 1       |



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## Measuring Cylinder Graduated, Hex Base, Class A, Unserialized

- With Double Metric Scale, TC (To Contain)
- Cylinders are made to meet ASTM E-1272 norms
- Printed in white enamel
- All the cylinders from 10ml to 2000ml comes with the bumper guard

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.453.00A | 5             | 0.1               | 0.05                  | 2       |
| 139.453.01A | 10            | 0.1               | 0.1                   | 2       |
| 139.453.02A | 25            | 0.2               | 0.17                  | 2       |
| 139.453.03A | 50            | 1                 | 0.25                  | 2       |
| 139.453.04A | 100           | 1                 | 0.5                   | 2       |
| 139.453.05A | 250           | 2                 | 1                     | 2       |
| 139.453.06A | 500           | 5                 | 2                     | 2       |
| 139.453.07A | 1000          | 10                | 3                     | 1       |
| 139.453.08A | 2000          | 20                | 6                     | 1       |



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# Cylinders



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## Measuring Cylinder Graduated Class B, Hex Base

- With Double Metric Scale, TC (To Contain)
- Cylinders are made to meet ASTM E-1272 norms
- Printed in white enamel
- All the cylinders from 10ml to 2000ml comes with the bumper guard

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 138.289.00A | 5             | 0.1               | 0.1                   | 2       |
| 138.289.01A | 10            | 0.1               | 0.2                   | 2       |
| 138.289.02A | 25            | 0.2               | 0.34                  | 2       |
| 138.289.03A | 50            | 1                 | 0.5                   | 2       |
| 138.289.04A | 100           | 1                 | 1.0                   | 2       |
| 138.289.05A | 250           | 2                 | 2.0                   | 2       |
| 138.289.06A | 500           | 5                 | 4.0                   | 2       |
| 138.289.07A | 1000          | 10                | 6.0                   | 1       |
| 138.289.08A | 2000          | 20                | 12.0                  | 1       |



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## Measuring Cylinder Graduated, Hex Base, Class A, serialized

- With Double Metric Scale, TD (To Deliver)
- Cylinders are made to meet ASTM E 1272 norms
- Printed in white enamel
- All the cylinders from 10ml to 2000ml comes with the bumper guard

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.465.00A | 5             | 0.1               | 0.05                  | 1       |
| 139.465.01A | 10            | 0.1               | 0.1                   | 1       |
| 139.465.02A | 25            | 0.2               | 0.17                  | 1       |
| 139.465.03A | 50            | 1                 | 0.25                  | 1       |
| 139.465.04A | 100           | 1                 | 0.5                   | 1       |
| 139.465.05A | 250           | 2                 | 1                     | 1       |
| 139.465.06A | 500           | 5                 | 2                     | 1       |
| 139.465.07A | 1000          | 10                | 3                     | 1       |
| 139.465.08A | 2000          | 20                | 6                     | 1       |

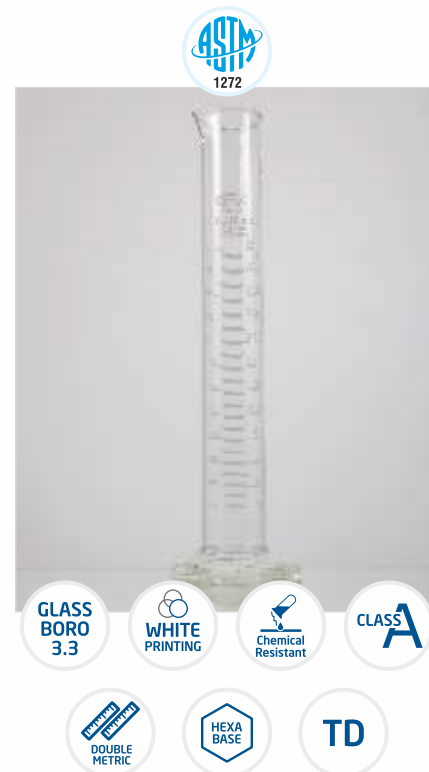
## Measuring Cylinder Graduated Class A, Hex Base, Unserialized

- With Double Metric Scale, TD (To Deliver)
- Cylinders are made to meet ASTM E-1272 norms
- Printed in white enamel
- All the cylinders from 10ml to 2000ml comes with the bumper guard

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.464.00A | 5             | 0.1               | 0.05                  | 2       |
| 139.464.01A | 10            | 0.1               | 0.1                   | 2       |
| 139.464.02A | 25            | 0.2               | 0.17                  | 2       |
| 139.464.03A | 50            | 1                 | 0.25                  | 2       |
| 139.464.04A | 100           | 1                 | 0.5                   | 2       |
| 139.464.05A | 250           | 2                 | 1                     | 2       |
| 139.464.06A | 500           | 5                 | 2                     | 2       |
| 139.464.07A | 1000          | 10                | 3                     | 1       |
| 139.464.08A | 2000          | 20                | 6                     | 1       |



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## Measuring Cylinder Graduated, Hex Base, Class B

- With Double Metric Scale, TD (To Deliver)
- Cylinders are made to meet ASTM E-1272 norms
- Printed in with white enamel
- All the cylinders from 10ml to 2000ml comes with the bumper guard

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 138.288.00A | 5             | 0.1               | 0.1                   | 2       |
| 138.288.01A | 10            | 0.1               | 0.2                   | 2       |
| 138.288.02A | 25            | 0.2               | 0.34                  | 2       |
| 138.288.03A | 50            | 1                 | 0.5                   | 2       |
| 138.288.04A | 100           | 1                 | 1.0                   | 2       |
| 138.288.05A | 250           | 2                 | 2.0                   | 2       |
| 138.288.06A | 500           | 5                 | 4.0                   | 2       |
| 138.288.07A | 1000          | 10                | 6.0                   | 1       |
| 138.288.08A | 2000          | 20                | 12.0                  | 1       |



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# Cylinders



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BLUE PRINTING

Chemical Resistant

CLASS A

PROTECTION COLLAR



Buy Now!

## Measuring Cylinder with detachable PE base, Class A

- Complies with DIN EN ISO 4788
- With Individual work certificate
- With protection collar
- Printed in Blue colour

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 137.223.01* | 5             | 0.1               | 0.05                  | 1       |
| 137.223.02  | 10            | 0.2               | 0.1                   | 1       |
| 137.223.03  | 25            | 0.5               | 0.25                  | 1       |
| 137.223.04  | 50            | 1.0               | 0.5                   | 1       |
| 137.223.05  | 100           | 1.0               | 0.5                   | 1       |
| 137.223.06  | 250           | 2.0               | 1.0                   | 1       |
| 137.223.07  | 500           | 5.0               | 2.5                   | 1       |
| 137.223.08  | 1000          | 10.0              | 5.0                   | 1       |

\* Non DIN



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BLUE PRINTING

Chemical Resistant

CLASS A

PROTECTION COLLAR



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## Measuring Cylinder with detachable PE base, Class A

- Complies with DIN EN ISO 4788
- With batch certificate
- With protection collar
- Printed in Blue colour

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 137.204.01* | 5             | 0.1               | 0.05                  | 2       |
| 137.204.02  | 10            | 0.2               | 0.1                   | 2       |
| 137.204.03  | 25            | 0.5               | 0.25                  | 2       |
| 137.204.04  | 50            | 1.0               | 0.5                   | 2       |
| 137.204.05  | 100           | 1.0               | 0.5                   | 2       |
| 137.204.06  | 250           | 2.0               | 1.0                   | 2       |
| 137.204.07  | 500           | 5.0               | 2.5                   | 2       |
| 137.204.08  | 1000          | 10.0              | 5.0                   | 1       |

\* Non DIN

## Measuring Cylinder with detachable PE base, Class B

- with protection collar
- Printed in blue colour

| Item Code  | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|------------|---------------|-------------------|-----------------------|---------|
| 137.202.01 | 5             | 0.1               | 0.1                   | 10      |
| 137.202.02 | 10            | 0.2               | 0.20                  | 10      |
| 137.202.03 | 25            | 0.5               | 0.50                  | 10      |
| 137.202.04 | 50            | 1.0               | 1.00                  | 10      |
| 137.202.05 | 100           | 1.0               | 1.00                  | 10      |
| 137.202.06 | 250           | 2.0               | 2.00                  | 10      |
| 137.202.07 | 500           | 5.0               | 5.00                  | 2       |
| 137.202.08 | 1000          | 10.0              | 10.0                  | 1       |



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3.3

BLUE  
PRINTING

Chemical  
Resistant

CLASS  
B

PROTECTION  
COLLAR

## Riders/Bumpers for cylinders

| Item Code  | Bumper for Cylinders (ml) | Pack of |
|------------|---------------------------|---------|
| 136.202.01 | 5                         | 100     |
| 136.202.02 | 10                        | 100     |
| 136.202.03 | 25                        | 100     |
| 136.202.04 | 50                        | 100     |
| 136.202.05 | 100                       | 100     |
| 136.202.06 | 250                       | 50      |
| 136.202.07 | 500                       | 50      |
| 136.202.08 | 1000                      | 25      |
| 136.202.09 | 2000                      | 10      |



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# Cylinders



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## Measuring Cylinder with USP Grade, Class A, Hex Base

- With individual work certificate

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.221.00A | 5             | 0.1               | 0.05                  | 1       |
| 139.221.01A | 10            | 0.2               | 0.10                  | 1       |
| 139.221.02A | 25            | 0.5               | 0.15                  | 1       |
| 139.221.03A | 50            | 1.0               | 0.25                  | 1       |
| 139.221.04A | 100           | 1.0               | 0.50                  | 1       |
| 139.221.05A | 250           | 2.0               | 1.00                  | 1       |
| 139.221.06A | 500           | 5.0               | 1.50                  | 1       |
| 139.221.07A | 1000          | 10.0              | 3.00                  | 1       |
| 139.221.08A | 2000          | 20.0              | 6.00                  | 1       |



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## Measuring Cylinder with USP Grade, Class A, Hex Base

- With conformity batch certificate

| Item Code    | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|--------------|---------------|-------------------|-----------------------|---------|
| 139.292.00A* | 5             | 0.1               | 0.05                  | 2       |
| 139.292.01A  | 10            | 0.2               | 0.10                  | 2       |
| 139.292.02A  | 25            | 0.5               | 0.15                  | 2       |
| 139.292.03A  | 50            | 1.0               | 0.25                  | 2       |
| 139.292.04A  | 100           | 1.0               | 0.50                  | 2       |
| 139.292.05A  | 250           | 2.0               | 1.00                  | 2       |
| 139.292.06A  | 500           | 5.0               | 1.50                  | 2       |
| 139.292.07A  | 1000          | 10.0              | 3.00                  | 1       |
| 139.292.08A  | 2000          | 20.0              | 6.00                  | 1       |

\* Non DIN

## Measuring Cylinder, Low Form, Hex base, Class-B

- Complies as per DIN EN ISO 4788
- Hex Base, Class B, To Contain (TC), Single Metric
- Printed in Amber colour

| Item Code    | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|--------------|---------------|-------------------|-----------------------|---------|
| 138.429.00A* | 5             | 1.0               | 0.15                  | 2       |
| 138.429.01A  | 10            | 1.0               | 0.30                  | 2       |
| 138.429.02A  | 25            | 1.0               | 0.50                  | 2       |
| 138.429.03A  | 50            | 2.0               | 1.00                  | 2       |
| 138.429.04A  | 100           | 2.0               | 1.00                  | 2       |
| 138.429.05A  | 250           | 5.0               | 2.00                  | 2       |
| 138.429.06A  | 500           | 10.0              | 5.00                  | 2       |
| 138.429.07A  | 1000          | 20.0              | 10.00                 | 1       |

\* Non DIN



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## Measuring Cylinder with Round Base, Class-A, (Economy Model)

- Complies with DIN EN ISO 4788
- With conformity batch certificate

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.202.01* | 5             | 0.1               | 0.05                  | 2       |
| 139.202.02  | 10            | 0.2               | 0.10                  | 2       |
| 139.202.03  | 25            | 0.5               | 0.25                  | 2       |
| 139.202.04  | 50            | 1.0               | 0.50                  | 2       |
| 139.202.05  | 100           | 1.0               | 0.50                  | 2       |
| 139.202.06  | 250           | 2.0               | 1.00                  | 2       |
| 139.202.07  | 500           | 5.0               | 2.50                  | 2       |
| 139.202.08  | 1000          | 10.0              | 5.00                  | 1       |
| 139.202.09  | 2000          | 20.0              | 10.00                 | 1       |

\* Non DIN



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Chemical Resistant

CLASS B

ROUND BASE

## Measuring Cylinder with Round Base, Class-B

- Complies with DIN EN ISO 4788

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 139.222.01* | 5             | 0.1               | 0.10                  | 2       |
| 139.222.02  | 10            | 0.2               | 0.20                  | 2       |
| 139.222.03  | 25            | 0.5               | 0.50                  | 2       |
| 139.222.04  | 50            | 1.0               | 1.00                  | 2       |
| 139.222.05  | 100           | 1.0               | 1.00                  | 2       |
| 139.222.06  | 250           | 2.0               | 2.00                  | 2       |
| 139.222.07  | 500           | 5.0               | 5.00                  | 2       |
| 139.222.08  | 1000          | 10.0              | 10.00                 | 1       |
| 139.222.09  | 2000          | 20.0              | 20.00                 | 1       |

\* Non DIN



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GLASS BORO 3.3

BLUE PRINTING

Chemical Resistant

CLASS A

HEXA BASE

## Mixing Cylinder with Hexagonal base, Class-A

- Complies as per DIN EN ISO 4788 standards
- With individual work certificate
- With PE stopper

| Item Code    | Capacity (ml) | N/S   | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|--------------|---------------|-------|-------------------|-----------------------|---------|
| 142.223.00A* | 5             | 10/19 | 0.1               | 0.05                  | 1       |
| 142.223.01A  | 10            | 10/19 | 0.2               | 0.10                  | 1       |
| 142.223.02A  | 25            | 14/23 | 0.5               | 0.25                  | 1       |
| 142.223.03A  | 50            | 19/26 | 1.0               | 0.50                  | 1       |
| 142.223.04A  | 100           | 24/29 | 1.0               | 0.50                  | 1       |
| 142.223.05A  | 250           | 29/32 | 2.0               | 1.00                  | 1       |
| 142.223.06A  | 500           | 34/35 | 5.0               | 2.50                  | 1       |
| 142.223.07A  | 1000          | 45/40 | 10.0              | 5.00                  | 1       |
| 142.223.08A  | 2000          | 45/40 | 20.0              | 10.00                 | 1       |

\* Non DIN

## Cylinder, Tapped Density Cylinder as per USP *New*

- Complies **USP 616**
- Used in tapped density apparatus to measure bulk density of powders

| Item Code   | Capacity (ml) | Pack of |
|-------------|---------------|---------|
| 139.520.01A | 100 & 250     | 1 Each  |



Buy Now!



## Cylinder, Tapped Density Cylinder as per USP 616

| Item Code   | Capacity (ml) | Pack of |
|-------------|---------------|---------|
| 139.521.04A | 100           | 2       |



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## Cylinder, Tapped Density Cylinder as per USP 616

| Item Code   | Capacity (ml) | Pack of |
|-------------|---------------|---------|
| 139.521.05A | 250           | 2       |



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# Cylinders



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## Mixing Cylinder with Hexagonal base, Class-A

- Complies as per DIN EN ISO 4788 standards
- With batch conformity certificate
- With PE stopper

| Item Code    | Capacity (ml) | N/S   | Sub division (ml) | Tolerance (± ml) | Pack of |
|--------------|---------------|-------|-------------------|------------------|---------|
| 142.202.00A* | 5             | 10/19 | 0.1               | 0.05             | 2       |
| 142.202.01A  | 10            | 10/19 | 0.2               | 0.10             | 2       |
| 142.202.02A  | 25            | 14/23 | 0.5               | 0.25             | 2       |
| 142.202.03A  | 50            | 19/26 | 1.0               | 0.50             | 2       |
| 142.202.04A  | 100           | 24/29 | 1.0               | 0.50             | 2       |
| 142.202.05A  | 250           | 29/32 | 2.0               | 1.00             | 2       |
| 142.202.06A  | 500           | 34/35 | 5.0               | 2.50             | 2       |
| 142.202.07A  | 1000          | 45/40 | 10.0              | 5.00             | 1       |
| 142.202.08A  | 2000          | 45/40 | 20.0              | 10.00            | 1       |

\* Non DIN



Buy Now!



## Mixing Cylinder with Hexagonal base, Class-B

- Complies as per DIN EN ISO 4788 standards
- With PE stopper

| Item Code    | Capacity (ml) | N/S   | Sub division (ml) | Tolerance (± ml) | Pack of |
|--------------|---------------|-------|-------------------|------------------|---------|
| 142.222.00A* | 5             | 10/19 | 0.1               | 0.1              | 2       |
| 142.222.01A  | 10            | 10/19 | 0.2               | 0.2              | 2       |
| 142.222.02A  | 25            | 14/23 | 0.5               | 0.5              | 2       |
| 142.222.03A  | 50            | 19/26 | 1.0               | 1.0              | 2       |
| 142.222.04A  | 100           | 24/29 | 1.0               | 1.0              | 2       |
| 142.222.05A  | 250           | 29/32 | 2.0               | 2.0              | 2       |
| 142.222.06A  | 500           | 34/35 | 5.0               | 5.0              | 2       |
| 142.222.07A  | 1000          | 45/40 | 10.0              | 10.0             | 1       |
| 142.222.08A  | 2000          | 45/40 | 20.0              | 20.0             | 1       |

\* Non DIN

## Mixing Cylinder with Round base, Class-B

- Complies as per DIN EN ISO 4788 standards
- With PE stopper

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 141.222.01* | 5             | 0.1               | 0.1                   | 2       |
| 141.222.02  | 10            | 0.2               | 0.2                   | 2       |
| 141.222.03  | 25            | 0.5               | 0.5                   | 2       |
| 141.222.04  | 50            | 1.0               | 1.0                   | 2       |
| 141.222.05  | 100           | 1.0               | 1.0                   | 2       |
| 141.222.06  | 250           | 2.0               | 2.0                   | 2       |
| 141.222.07  | 500           | 5.0               | 5.0                   | 2       |
| 141.222.08  | 1000          | 10.0              | 10.0                  | 1       |
| 141.222.09  | 2000          | 20.0              | 20.0                  | 1       |

\* Non DIN



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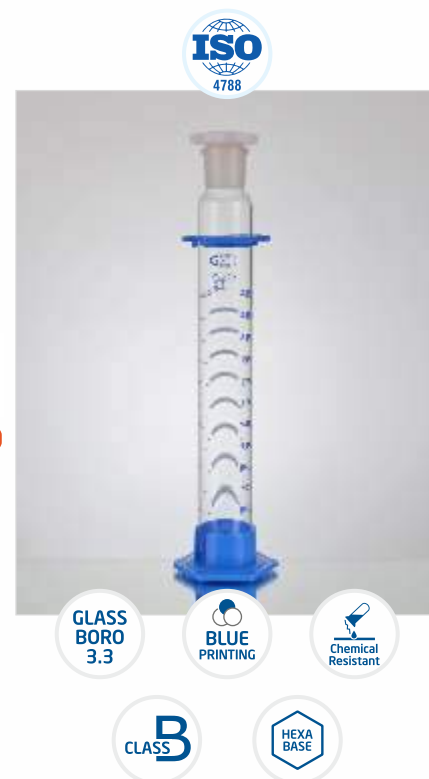
## Mixing Cylinder with Detachable Plastic Hexagonal base, Class-B

- With PE stopper

| Item Code   | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------------|-----------------------|---------|
| 142.232.00A | 5             | 0.1               | 0.1                   | 2       |
| 142.232.01A | 10            | 0.2               | 0.20                  | 2       |
| 142.232.02A | 25            | 0.5               | 0.50                  | 2       |
| 142.232.03A | 50            | 1.0               | 1.00                  | 2       |
| 142.232.04A | 100           | 1.0               | 1.00                  | 2       |
| 142.232.05A | 250           | 2.0               | 2.00                  | 2       |
| 142.232.06A | 500           | 5.0               | 5.00                  | 2       |
| 142.232.07A | 1000          | 10.0              | 10.00                 | 1       |



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## Hydrometer Jar, Round base, Plain

- Without calibration markup
- Without Spout

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 138.271.02 | 250           | 2       |
| 138.271.03 | 500           | 2       |
| 138.271.04 | 1000          | 1       |

## Hydrometer Jar, Round base

- With circle mark on the top
- Printed with capacity & 20°C
- Without spout
- With rim



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| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 138.270.01 | 1000          | 1       |



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## Nessler Cylinder, for colour comparison Class-A

| Item Code  | Capacity (ml) | Sub division (ml) | Tolerance ( $\pm$ ml) | Pack of |
|------------|---------------|-------------------|-----------------------|---------|
| 143.202.01 | 50            | 25 & 50           | 0.4                   | 10      |
| 143.202.02 | 100           | 50 & 100          | 0.8                   | 10      |

## Cylinder-PP, Measuring, Round Base

- Made from Polypropylene

| Item Code  | Capacity (ml) | Least Count (ml) | Pack of |
|------------|---------------|------------------|---------|
| 175.303.01 | 10            | 0.2              | 24      |
| 175.303.02 | 25            | 0.5              | 12      |
| 175.303.03 | 50            | 1                | 12      |
| 175.303.04 | 100           | 1                | 12      |
| 175.303.05 | 250           | 2                | 6       |
| 175.303.06 | 500           | 5                | 4       |
| 175.303.07 | 1000          | 10               | 2       |
| 175.303.08 | 2000          | 20               | 2       |



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## Cylinder-PP, Measuring, Hexagonal

- The hexagonal base provides excellent stability to the cylinder, whereas the tapered spout works really well while pouring any reagent

| Item Code  | Capacity (ml) | Least Count (ml) | Pack of |
|------------|---------------|------------------|---------|
| 177.303.01 | 10            | 0.2              | 24      |
| 177.303.02 | 25            | 0.5              | 12      |
| 177.303.03 | 50            | 1                | 12      |
| 177.303.04 | 100           | 1                | 12      |
| 177.303.05 | 250           | 2                | 6       |
| 177.303.06 | 500           | 5                | 4       |
| 177.303.07 | 1000          | 10               | 2       |

## Cylinder, Brush

| Item Code  | Type           | Material | Pack of |
|------------|----------------|----------|---------|
| 593.303.05 | Cylinder Brush | Nylon    | 50      |



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Nylon



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## Desiccator, With Lid, Plain

- Complies with DIN 12491
- Die pressed
- Neutral Glass with Porcelain perforated plate

| Item Code   | I.D.(mm) | Pack of |
|-------------|----------|---------|
| 249.202.01  | 150      | 1       |
| 249.202.02* | 210      | 1       |
| 249.202.03  | 250      | 1       |
| 249.202.04  | 300      | 1       |

\* Non DIN



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## Desiccator, With Lid, Vacuum

- Complies with DIN 12491
- Die Pressed
- Neutral Glass with Porcelain Perforated Plate and Glass Sleeve

| Item Code   | I.D.(mm) | Pack of |
|-------------|----------|---------|
| 250.202.01  | 150      | 1       |
| 250.202.02* | 210      | 1       |
| 250.202.03  | 250      | 1       |
| 250.202.04  | 300      | 1       |

\* Non DIN

## Desiccator (Vacuum)

- Made from Polypropylene and Polycarbonate
- Autoclavable vacuum desiccators can hold vacuum up to 740 mm of Hg for 24 hrs with out any greasing
- Fitted with Polypropylene stopcock with a self lubricating PTEF plug

| Item Code  | Size (mm) | Flange (mm) | I.D. (mm) | Pack of |
|------------|-----------|-------------|-----------|---------|
| 118.303.01 | 150       | 171         | 150       | 1       |
| 118.303.02 | 200       | 232         | 199       | 1       |
| 118.303.03 | 250       | 276         | 240       | 1       |
| 118.303.04 | 300       | 340         | 300       | 1       |



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## Desiccator (Plain)

- Made from Polypropylene/ Polycarbonate
- Both Vacuum & Plain Desiccators are provided with a thick perforated Polypropylene disc with a big hole in the center for easy lifting
- The tiny holes in the disc provide air trough & support to the dishes
- However porcelain discs are advisable in case of incandescent crucibles

| Item Code  | Type                 | Size (mm) | Flange (mm) | I.D. (mm) | Pack of |
|------------|----------------------|-----------|-------------|-----------|---------|
| 119.303.01 | Plain                | 150       | 171         | 150       | 1       |
| 119.303.02 | Plain                | 200       | 232         | 199       | 1       |
| 119.303.03 | Plain                | 250       | 276         | 240       | 1       |
| 119.303.04 | Plain                | 300       | 340         | 300       | 1       |
| 119.303.05 | (Vaccum - All Clear) | 150       | 171         | 150       | 1       |
| 119.303.06 | (Vaccum - All Clear) | 200       | 232         | 199       | 1       |
| 119.303.07 | (Vaccum - All Clear) | 250       | 276         | 250       | 1       |
| 119.303.08 | (Vaccum - All Clear) | 300       | 340         | 300       | 1       |



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# Dishes

Manufactured from ASTM E 438 TYPE 1 Class A BORO 3.3 GLASS. These dishes are as per DIN and USP standards. The dishes are printed in white color and have a marking area to use with an ordinary pencil.



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## Dish, Crystallizing, without Spout

- Complies with DIN 12337
- Made of Boro 3.3 Glass, Heat & Chemical resistance Glass

| Item Code  | O.D. x Height (mm) | Capacity (ml) | Pack of |
|------------|--------------------|---------------|---------|
| 246.202.01 | 40x 25             | 20            | 10      |
| 246.202.02 | 50x30              | 40            | 10      |
| 246.202.03 | 60x35              | 60            | 10      |
| 246.202.04 | 70x40              | 100           | 10      |
| 246.202.05 | 80x45              | 150           | 10      |
| 246.202.06 | 95x55              | 300           | 10      |
| 246.202.07 | 115x65             | 500           | 10      |
| 246.202.08 | 140x75             | 900           | 10      |
| 246.202.09 | 190x90             | 2000          | 10      |



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## Dish, Crystallizing, with Spout

- Complies with DIN 12338
- Made of Heat & Chemical resistance Boro 3.3 Glass

| Item Code   | O.D. x Height (mm) | Capacity (ml) | Pack of |
|-------------|--------------------|---------------|---------|
| 246.202.01S | 40x25              | 20            | 10      |
| 246.202.02S | 50x30              | 35            | 10      |
| 246.202.03S | 60x35              | 60            | 10      |
| 246.202.04S | 70x40              | 100           | 10      |
| 246.202.05S | 80x45              | 150           | 10      |
| 246.202.06S | 95x55              | 300           | 10      |
| 246.202.07S | 115x65             | 500           | 10      |
| 246.202.08S | 140x75             | 900           | 10      |
| 246.202.09S | 190x90             | 2000          | 10      |

## Dish, Evaporating

- Complies with DIN 12336
- Manufactured from Boro 3.3 glass
- Highly resistant to chemical attack and thermal shock
- Flat base
- Curved sides with spout

| Item Code    | Approx Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|--------------|----------------------|----------|-------------|---------|
| 247.202.00   | 15                   | 50       | 25          | 10      |
| 247.202.00B  | 45                   | 60       | 30          | 10      |
| 247.202.01   | 90                   | 80       | 45          | 10      |
| 247.202.02   | 170                  | 95       | 55          | 10      |
| 247.202.02C* | 290                  | 105      | 55          | 10      |
| 247.202.02A  | 320                  | 115      | 65          | 10      |
| 247.202.03D  | 600                  | 140      | 80          | 10      |
| 247.202.03A* | 1500                 | 150      | 80          | 10      |
| 247.202.04*  | 2500                 | 200      | 100         | 10      |

\* Non DIN



## Dish, Evaporating, Euro Design

- Made of Porcelain
- Temperature range upto 1000°C

| Item Code  | Capacity (ml) | OD x Height (mm) | Pack of |
|------------|---------------|------------------|---------|
| 528.303.07 | 35            | 60 x 24          | 6       |
| 528.303.08 | 70            | 75 x 30          | 6       |
| 528.303.09 | 80            | 80 x 30          | 6       |
| 528.303.10 | 120           | 94 x 42          | 6       |
| 528.303.11 | 150           | 100 x 42         | 6       |
| 528.303.12 | 250           | 115 x 45         | 4       |
| 528.303.13 | 385           | 145 x 48         | 4       |
| 528.303.14 | 525           | 162 x 51         | 2       |
| 528.303.15 | 765           | 185 x 54         | 2       |







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## Dish, Petri, Manufactured from BORO 3.3 Glass

- Withstand repeated Autoclaving

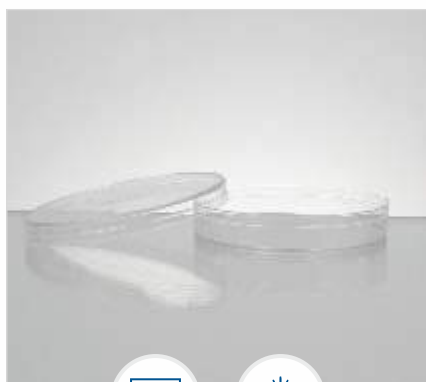
| Item Code   | O.D. x Height (mm) | Pack of |
|-------------|--------------------|---------|
| 248.202.01  | 50 x 17            | 10      |
| 248.202.02  | 80 x 17            | 10      |
| 248.202.03  | 100 x 17           | 10      |
| 248.202.03A | 100 x 20           | 10      |
| 248.202.04  | 150 x 20           | 10      |
| 248.202.05  | 200 x 20           | 10      |



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## Dish, Petri, SG Line *New*

| Item Code  | O.D. x Height (mm) | Pack of |
|------------|--------------------|---------|
| 248.203.03 | 90 x 15            | 36      |
| 248.203.04 | 100 x 15           | 36      |



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## Dish, Petri (Disposable)

- Transparent and ready to use, disposable Petri Dishes
- Made of optically clear, non-toxic, Polystyrene

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 159.303.01 | 90        | 36      |



## Dish, Rack For Petri Dish

- Made from Polymethyl / Methacrylate / Polycarbonate
- Clear acrylic construction with white Polycarbonate Posts
- Capacity to hold 60 petri dishes of 90 mm size
- Useful during inoculation, incubation & Storage
- Visibility from all sides enables the culture to be seen & checked during incubation

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 160.303.01 | 90        | 2       |
| 160.303.02 | 60        | 2       |



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## Dish, Pestle & Mortar, Euro Design

- Made of Porcelain
- Temperature range upto 1000°C

| Item Code  | I.D. x Height (mm) | Pack of |
|------------|--------------------|---------|
| 529.303.08 | 60 x 44            | 6       |
| 529.303.09 | 75 x 48            | 4       |
| 529.303.10 | 85 x 55            | 4       |
| 529.303.11 | 100 x 70           | 4       |
| 529.303.12 | 117 x 75           | 4       |
| 529.303.13 | 125 x 88           | 2       |
| 529.303.15 | 150 x 100          | 1       |
| 529.303.16 | 175 x 115          | 1       |
| 529.303.17 | 200 x 140          | 1       |



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# Disposable Glassware *New*

## Disposable Glassware Culture Tube - Boro Glass 5.1 *New*

Glassco Disposable Culture Tubes are resistant to chemical attack and weathering.

### Salient Features:

- Boro Glass 5.1 Expansion offers excellent chemically resistance
- Uniform dimensions
- High heat tolerance
- Convenient dispensing packages

Manufactured from Type-I, Class B borosilicate glass, each tube is heat-treated at temp. exceeding 500°C (932°F), immediately before packing, which eliminates contamination, increases strength, and reduces breakage. Tubes features well-rounded bottoms and fire polished tops free of rough edges. Dimensional specifications of these tubes are rigidly controlled for reliable, uniform results. Tubes are clean-sealed in a convenient dispensing package to keep them free from dust and other particulate contamination. Tube (O.D. 6 x 50 mm) is also known as a **Durham Tube**.

Contents will not leach out and contaminate solutions. Borosilicate glass construction prevents pH change in laboratory tests.

- Biosafety**
- Light Weight**
- Water Saving**
- Less Manpower**
- Time Saving**
- Low Cost**
- Use & Throw**
- Environment Friendly**



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5.1

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Chemical  
Resistant



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| Item Code | O.D. x Height (mm) | Over Flow Volume (ml) | Pieces/Case |
|-----------|--------------------|-----------------------|-------------|
| 27729.566 | 6 x 50             | 0.75                  | 2000        |
| 27729.568 | 10 x 75            | 3                     | 1000        |
| 27729.570 | 12 x 75            | 5                     | 1000        |
| 27729.572 | 13 x 100           | 9                     | 1000        |
| 27729.574 | 15 x 85            | 10                    | 1000        |
| 27729.576 | 16 x 100           | 14                    | 1000        |
| 27729.578 | 16 x 125           | 18                    | 1000        |
| 27729.580 | 16 x 150           | 22                    | 1000        |
| 27729.583 | 18 x 150           | 28                    | 500         |
| 27729.584 | 20 x 150           | 34                    | 500         |
| 27729.586 | 25 x 150           | 60                    | 500         |

Ordering Information: Due to machine packaging, quantities per case are approximate.

## Disposable Glassware Culture Tube - Boro Glass 7.0 *New*

These tubes are chemically clean and well-suited for general use in chemistry, blood banks, hematology and other laboratory procedures.

### Salient Features:

- Fire-polished top
- Shrink-film sealed to prevent contamination
- Well-rounded bottoms

Each tube is annealed at temperatures over 426.7°C (800°F) to increase strength and reduce breakage. Tubes feature smooth, well-rounded bottoms with no irregularities. Tops are fire-polished to eliminate rough edges. Tubes are packed in lint-free packaging and are shrink-film sealed to prevent any contamination from outside sources.



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| Item Code | O.D. x Height (mm) | Over Flow Volume (ml) | Pieces/Case |
|-----------|--------------------|-----------------------|-------------|
| 20825.402 | 10 x 75            | 3                     | 1000        |
| 20825.406 | 12 x 75            | 5                     | 1000        |
| 20825.414 | 13 x 100           | 9                     | 1000        |
| 20825.425 | 16 x 100           | 11                    | 1000        |
| 20825.430 | 16 x 125           | 15                    | 1000        |
| 20825.435 | 16 x 150           | 20                    | 1000        |
| 20825.443 | 18 x 150           | 28                    | 500         |
| 20825.447 | 20 x 150           | 34                    | 500         |

Ordering Information: Due to machine packaging, quantities per case are approximate.

## Disposable Glassware Culture Tube with Screw Cap Finish Boro Glass 5.1 *New*

Tubes have a marking spot and reference mark for orientation during use and a threaded neck to accept screw cap.

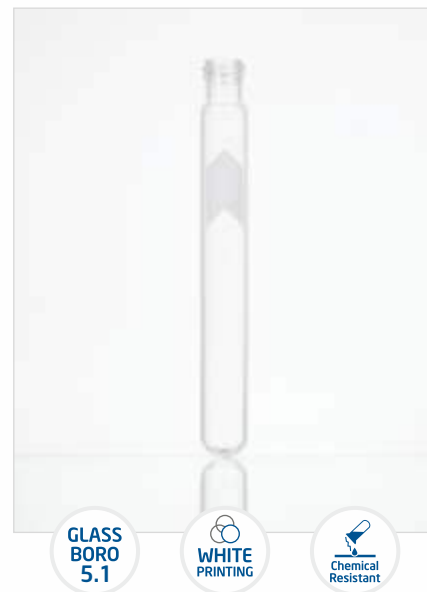
**Salient Features :**

- Borosilicate glass 5.1 expansion construction
- Marking spot and orientation reference mark on all tubes

| Item Code | O.D. x Height (mm) | Thread Finish | Over Flow Volume (ml) | Pieces/Case |
|-----------|--------------------|---------------|-----------------------|-------------|
| 23283.800 | 13 x 100           | 13-415        | 8                     | 1000        |
| 23283.802 | 16 x 100           | 15-415        | 12                    | 1000        |
| 23283.804 | 16 x 125           | 15-415        | 16                    | 1000        |
| 23283.806 | 16 x 150           | 15-415        | 20                    | 1000        |
| 23283.685 | 20 x 125           | 18-415        | 30                    | 500         |
| 23283.686 | 20 x 150           | 18-415        | 33                    | 500         |



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## Phenolic Caps, With Rubber Liner *New*

| Item Code  | O.D. x Height (mm) | Thread Finish | Pieces/Case |
|------------|--------------------|---------------|-------------|
| 23283.800C | 13 x 100           | 13-415        | 1000        |
| 23283.804C | 16 x 125           | 15-415        | 1000        |
| 23283.685C | 20 x 125           | 18-415        | 1000        |



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## Pasteur Pipette

Glassco Pasteur pipettes are manufactured to conform strict specifications laid down by research and industrial laboratories and are suitable for various laboratory applications.

### Common salient features

- Made up of Borosilicate Glass
- Facilitate Controlled Drop
- Smooth, Straight-cut, Fire-polished tips (Short & Long Tip)
- Ideal for Clinical & Industrial use
- Disposable
- Supplied in Convenient Packing



**Biosafety**



**Light Weight**



**Water Saving**



**Less Manpower**



**Time Saving**



**Low Cost**



**Use & Throw**



**Environment Friendly**



### Glassco Disposable Pasteur Pipettes



**Buy Now!**

| Item Code | Product Description                                    | Overall Length | Pieces/Case |
|-----------|--|----------------|-------------|
| 24672.200 | Boro Glass 7.0 Expansion                               | 14.6 cm        | 1000        |
| 24672.608 | Boro Glass 7.0 Expansion with Controlled Drop**        | 14.6 cm        | 1000        |
| 24672.380 | Boro Glass 7.0 Expansion                               | 22.9 cm        | 1000        |
| 24673.010 | Borosilicate Glass (3.3) Pipette - Short Tip (2 ml)    | 14.6 cm        | 1000        |
| 23283.916 | Boro (3.3) Pipette - Short Tip, Controlled Drop (2 ml) | 14.6 cm        | 1000        |
| 24673.043 | Boro (3.3) Pipette - Long Tip (2 ml)                   | 22.9 cm        | 1000        |

**\*\*Pipette body O.D. : 7 mm. | Capillary stem O.D. : Approx. 1.5mm, Delivers 22 to 28 Drops per ml**



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### Glassco Pasteur Pipettes with Cotton Plugs

| Item Code | Product Description      | Overall Length | Pieces/Case |
|-----------|--------------------------|----------------|-------------|
| 24672.400 | Boro Glass 7.0 Expansion | 14.6 cm        | 1000        |
| 24672.405 | Boro Glass 7.0 Expansion | 22.9 cm        | 1000        |
| 24672.410 | Borosilicate Glass (3.3) | 14.6 cm        | 1000        |
| 24672.412 | Borosilicate Glass (3.3) | 22.9 cm        | 1000        |

## Distilling Apparatus, Ammonia, With Graham Condenser

- Made From Heat Resistant, Low Expansion Borosilicate 3.3 Glass
- Interchangeable Joints
- With Splash Head 24/29, 19/26
- With Kjeldahl flask 500ml & 800ml 24/29
- With Coil Condenser 200mm 19/26
- Ideal for determining the Nitrogen content

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 340.202.03 | 500           | 1       |
| 340.202.04 | 800           | 1       |



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## Distilling Apparatus, With Graham Condenser

- Made From Heat Resistant, Low Expansion Borosilicate 3.3 Glass
- Interchangeable Joints & Stopper
- Flat bottom distillation flask 500 ml 24/29, 19/26
- With Coil condenser 200mm 19/26

| Item Code  | Cap. (ml) | Condenser Jacket (mm) | Interchangeable Joint | Pack of |
|------------|-----------|-----------------------|-----------------------|---------|
| 341.202.03 | 500       | 200                   | 19/26                 | 1       |



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## Distilling Apparatus, with Friedrichs Condenser

- Made From Heat Resistant, Low Expansion Borosilicate 3.3 Glass
- Interchangeable Joint and Stopper

| Item Code  | Capacity (ml) | Interchangeable Joint | Pack of |
|------------|---------------|-----------------------|---------|
| 342.202.03 | 2000          | 24/29                 | 1       |



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## Distilling Apparatus, Compact with Friedrichs Condenser

- Made From Heat Resistant, Low Expansion Borosilicate 3.3 Glass
- Interchangeable Joint

| Item Code  | Capacity (ml) | Interchangeable Joint | Pack of |
|------------|---------------|-----------------------|---------|
| 343.202.04 | 1000          | 34/35                 | 1       |

## Alcohol Distillation Unit *New*

- Ideal for Alcohol Distillation

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 347.202.01 | 1000          | 1       |



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## RM Value Apparatus *New*

- To be Used in Dairy Industries for Oil & Wax Analysis

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 348.202.01 | 300           | 1       |

## Essential Oil Determination Apparatus (Clevenger Apparatus)

- Made From Heat Resistant, Low Expansion Borosilicate 3.3 Glass
- For Oil Heavier Than Water
- Round bottom Flask 1000ml-24/29
- Liebig condenser 300mm-24/29
- Dean Stark 10 ml

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 226.202.01 | 1000          | 1       |



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## Essential Oil Determination Apparatus (Clevenger Apparatus)

- Made From Heat Resistant, Low Expansion Borosilicate 3.3 Glass
- For Oil Lighter Than Water
- Round bottom flask 1000ml-24/29
- Liebig condenser 300mm-24/29
- Dean Stark 10 ml

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 227.202.01 | 1000          | 1       |



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## Distilling Apparatus, Dean and Stark

- Moisture Test
- Made From Heat Resistant, Low Expansion Borosilicate 3.3 Glass
- Round bottom Flask 1000ml-24/29
- Liebig condenser 200mm-19/26
- Dean Stark 10 ml

| Item Code   | Capacity (ml) | Pack of |
|-------------|---------------|---------|
| 227.202.01A | 10            | 1       |

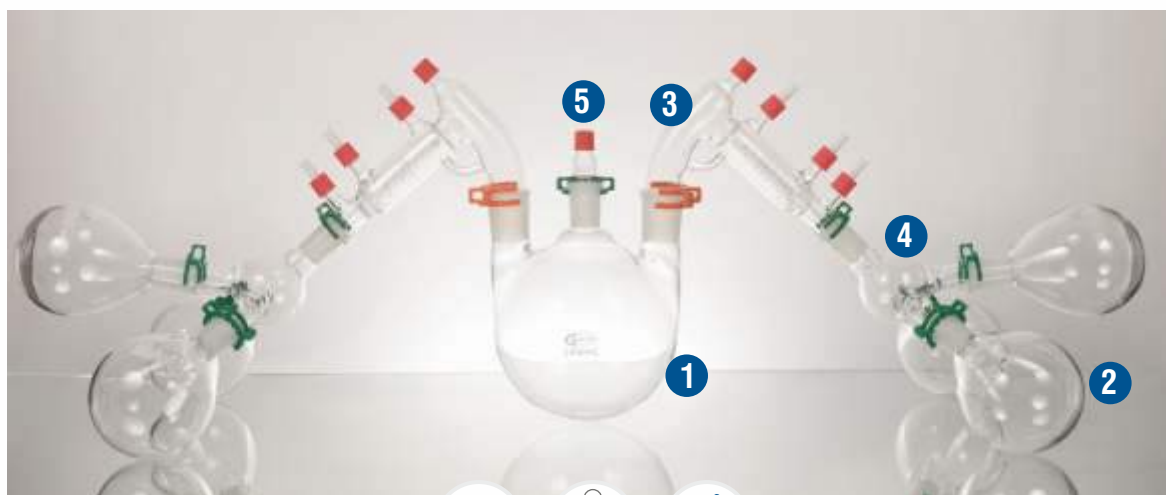
## Short Path Distillation Kit *New*

- Boiling Flask 2 & 10 Ltr
- With Compression Cap
- Used for distillation of large volumes.
- Made from borosilicate 3.3 glass.
- White printing

| Item Code  | Capacity (Ltr.) | Pack of |
|------------|-----------------|---------|
| 351.202.00 | 2               | 1       |
| 351.202.02 | 10              | 1       |



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| Sr. No. | Capacity (2 Ltr.)  | Capacity (10 Ltr.)   | Qty (Pcs) |
|---------|--|--|-----------|
| 1.      | Round bottom flask 2000ml three neck, parallel, centre socket 24/40, side sockets 34/45  | Round bottom flask 10000ml three neck, parallel, centre socket 24/40, side sockets 34/45   | 1         |
| 2.      | Recovery flask, 500ml, socket 24/40  | Recovery flask, 2000ml, socket 24/40   | 6         |
| 3.      | Distillation still head with double surface coil condenser effective length 85mm. cone 24/40, with GL 14 cap for thermometer inlet & cone to fit flask 34/45 | Distillation still head with double surface coil condenser effective length 85mm. cone 24/40, with GL 14 cap for thermometer inlet & cone to fit flask 34/45 | 2         |
| 4.      | Adapter distilling receiver 100ml without hose connection cow type design socket 24/40 cone 24/40  | Adapter distilling receiver 250ml without hose connection cow type design socket 24/40 cone 24/40  | 2         |
| 5.      | Adapter inlet/thermometer joint 24/40 with compression cap and O'ring.   | Adapter inlet/thermometer joint 24/40 with compression cap and O'ring.   | 1         |
| 6.      | Conical joint clips keck pom 24/40 (green)   | Conical joint clips keck pom 24/40 (green)   | 8         |
| 7.      | Conical joint clips keck pom 34/45 (orange)  | Conical joint clips keck pom 34/45 (orange)  | 2         |
| 8.      | Glass caps 24/40 with flat bottom for distillation receiver  | Glass caps 24/40 with flat bottom for distillation receiver  | 4         |
| 9.      | Screw thread cap GL-14 with liner  | Screw thread cap GL-14 with liner  | 6         |

Analog



Digital



Compatible Heating Mantle options

For more information  
Please visit **Page No. 239 & 240**



## Short Path Distillation Head *New*

- Glass Connector to connect rubber tube of ID 8.0 mm
- PP Screw Cap GL-14 to carry Thermometer



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| Item Code  | Pack of |
|------------|---------|
| 345.402.01 | 1       |



## Kjeldhal Distillation Unit *New*

- Kjeldhal Flask 500ml, Socket 24/29
- Conical Flask 250ml
- With Plastic hose connection, straight
- Adapter Multiple Socket 19/26, Cone 24/29
- Dropping Funnel with cone 19/26 & Leibig condenser 350mm
- Adapter slash head 19/26 & Receiver adapter straight steam



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| Item Code   | Keck Joint    | Screw Thread | Pack of |
|-------------|---------------|--------------|---------|
| 1194.000.05 | 19/26 & 24/29 | GL-14        | 1       |

## Moisture Determination Unit *New*

- Dean Stark Graduated 2ml, Socket 19/26, Cone 24/29
- Liebig Condenser 200mm, Cone 19/26 without socket
- Round Bottom Flask 250ml 24/29

| Item Code  | Keck Joint    | Pack of |
|------------|---------------|---------|
| 465.000.01 | 19/26 & 24/29 | 1       |



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Resistant

## Inhaler Testing Kit *New*

- Gas Wash Bottle 500ml, Socket 29/32
- PP Screw Cap GL-28 & Keck clamp 14/23, 24/29, 29/32
- With 50ml Round Bottom Flask with cone 24/29 & socket 29/32
- Conical Flask 250ml, with socket 24/29
- Round Bottom angular Flask 100ml

| Item Code  | Pack of |
|------------|---------|
| 345.525.03 | 1       |



Buy Now!



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3.3

WHITE  
PRINTING

Chemical  
Resistant



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant



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## Mancozeb Assembly Set *New*

- Round Bottom Flask 100ml 24/29
- Liebig condenser 150mm 24/29
- Dip Tube, Trap & Absorber 10/19'

| Item Code   | Pack of |
|-------------|---------|
| 228.202.01A | 1       |



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Resistant



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## Fractional Distillation Equipment *New*

- Round Bottom Flask 250ml, Socket 29/32
- Vigreux 320mm with NS 29/32,29/32
- Adapter, Still head plain socket 29/32, Cone 29/32,29/32
- Condenser Liebig 250mm 29/32 with Glass hose connector
- Adapter Receiver 29/32, short stem
- Adaptor Thermometer with compression cap 29/32
- Thermometer 10° to 110° C

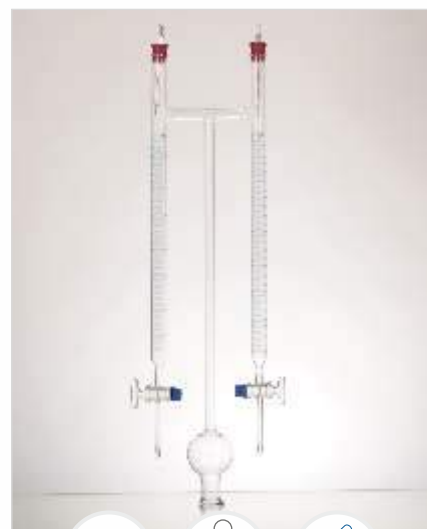
| Item Code  | Keck Joint | Pack of |
|------------|------------|---------|
| 328.202.02 | 29/32      | 1       |

## Hoffman Voltmeter *New*

| Item Code  | Pack of |
|------------|---------|
| 325.202.01 | 1       |



Buy Now!



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

## Simple Distillation Equipment Set *New*

- Round Bottom Flask 250ml, NS 29/32
- Adapter, Still head plain socket 29/32, Cone 29/32,29/32
- Condenser Liebig 250mm 29/32 with Glass hose connector
- Adapter Receiver 29/32, short stem
- Adaptor Thermometer with compression cap 29/32
- Thermometer 10° to 110° C

| Item Code   | Pack of |
|-------------|---------|
| 328.202.01A | 1       |



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Resistant

# Extraction Apparatus

## Extractor Apparatus

- Complete with condenser & flasks



Buy Now!

| Item Code  | Extractor cap. (ml) | Extractor Socket | Extractor Cone | Flask Cap. | Condenser Type | Connector    | Pack of |
|------------|---------------------|------------------|----------------|------------|----------------|--------------|---------|
| 210.202.12 | 100                 | 45/40            | 29/32          | 250        | Dimroth        | Screw Thread | 1       |
| 210.202.13 | 150                 | 45/40            | 29/32          | 250        | Dimroth        | Screw Thread | 1       |
| 210.202.14 | 250                 | 45/40            | 29/32          | 500        | Dimroth        | Screw Thread | 1       |
| 210.202.15 | 500                 | 60/46            | 29/32          | 1000       | Dimroth        | Screw Thread | 1       |
| 210.202.16 | 1000                | 71/55            | 29/32          | 2000       | Dimroth        | Screw Thread | 1       |

PS : To order any compatible instrument Please refer to Page no 192,193 & 203

## Available with

### Single Soxhlet Extraction Unit

Extraction unit metal stand with heating mantle

| Model No. (230V, 50Hz) | Capacity (ml) | Watts | Dimension   | No. of Position of regulator |
|------------------------|---------------|-------|-------------|------------------------------|
| 1100.DNEU.02           | 100           | 150   | 280x210x520 | 1/1                          |
| 1100.DNEU.03           | 250           | 150   | 280x210x520 | 1/1                          |
| 1100.DNEU.04           | 500           | 200   | 280x210x520 | 1/1                          |

### Single Soxhlet Extraction Unit with Stirrer

Extraction unit metal stand with heating mantle stirrer

| Model No. (230V, 50Hz) | Capacity (ml) | Watts | No. of Position of regulator |
|------------------------|---------------|-------|------------------------------|
| 1600.DNEU.01*          | 100           | 170   | 1/1                          |
| 1600.DNEU.02*          | 250           | 170   | 1/1                          |
| 1600.DNEU.03*          | 500           | 220   | 1/1                          |

\*Also Available with 3 Position & 6 Position Heating Mantle

Please refer to page no 244-245

## Extractor



Buy Now!

| Item Code    | Capacity (ml) | Socket | Cone  | Pack of |
|--------------|---------------|--------|-------|---------|
| 211.202.03*  | 60            | 34/35  | 24/29 | 1       |
| 211.202.04B* | 100           | 40/38  | 24/29 | 1       |
| 211.202.04   | 100           | 45/40  | 29/32 | 1       |
| 211.202.06A* | 200           | 50/42  | 24/29 | 1       |
| 211.202.06   | 250           | 45/40  | 29/32 | 1       |
| 211.202.08   | 500           | 60/46  | 29/32 | 1       |
| 211.202.09   | 1000          | 71/55  | 29/32 | 1       |

\* Non DIN



DIN  
12602

GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant



DIN  
12602

GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant



## Condensers Allihin for Soxhlet Apparatus

- Manufactured from ASTM E-438, Type-1, Class-A boro 3.3 Glass
- This condenser come with glass screw thread connector

| Item Code   | Cone  | Effective Length (mm) | Extractor (ml) | Connector | Pack of |
|-------------|-------|-----------------------|----------------|-----------|---------|
| 191.202.01  | 45/40 | 300                   | 100            | Glass     | 1       |
| 191.202.01A | 45/40 | 400                   | 250            | Glass     | 1       |
| 191.202.02  | 60/46 | 400                   | 500            | Glass     | 1       |
| 191.202.03  | 71/55 | 400                   | 1000           | Glass     | 1       |



Buy Now!



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

## Condensers Allihin for Soxhlet Apparatus

- Manufactured from ASTM E-438, Type-1, Class-A boro 3.3 Glass.
- This condenser come with plastic screw thread connector

| Item Code   | Cone  | Effective Length (mm) | Extractor (ml) | Connector    | Pack of |
|-------------|-------|-----------------------|----------------|--------------|---------|
| 191.181.01  | 45/40 | 300                   | 100            | Screw Thread | 1       |
| 191.181.01A | 45/40 | 400                   | 250            | Screw Thread | 1       |
| 191.181.02  | 60/46 | 400                   | 500            | Screw Thread | 1       |
| 191.181.03  | 71/55 | 400                   | 1000           | Screw Thread | 1       |



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GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

Screw Thread



# Extraction Apparatus



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BORO  
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Chemical  
Resistant



Buy Now!

## Condenser, Dimroth for Soxhlet Apparatus

- Manufactured from ASTM E-438, Type-1, Class-A
- Made from Boro 3.3 Glass
- This condenser come with glass screw thread connector

| Item Code   | Cone  | Effective Length (mm) | Extractor (ml) | Connector | Pack of |
|-------------|-------|-----------------------|----------------|-----------|---------|
| 192.202.01  | 45/40 | 300                   | 100            | Glass     | 1       |
| 192.202.01A | 45/40 | 400                   | 250            | Glass     | 1       |
| 192.202.02  | 60/46 | 400                   | 500            | Glass     | 1       |
| 192.202.03  | 71/55 | 400                   | 1000           | Glass     | 1       |



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

Screw  
Thread



Buy Now!

## Condenser, Dimroth for Soxhlet Apparatus

- Manufactured from ASTM E-438, Type-1, Class-A
- Made from Boro 3.3 Glass
- This condenser come with screw thread connector

| Item Code   | Cone  | Effective Length (mm) | Extractor (ml) | Connector    | Pack of |
|-------------|-------|-----------------------|----------------|--------------|---------|
| 192.181.01  | 45/40 | 300                   | 100            | Screw Thread | 1       |
| 192.181.01A | 45/40 | 400                   | 250            | Screw Thread | 1       |
| 192.181.02  | 60/46 | 400                   | 500            | Screw Thread | 1       |
| 192.181.03  | 71/55 | 400                   | 1000           | Screw Thread | 1       |

Glassco Brand sintered glassware needs the filtration of liquids and gases in the laboratory. It incorporates a porous glass disc as a filter media, which is non-corrosive and reusable. It is also used for gas washing dispersion and adsorption.

The sintered disc is manufactured by crushing Borosilicate glass, powdering, cleaning, separating into various mesh sizes, and then fusing in the form of a disc. The sintered disc is graded into five grades-G1, G2, G3, G4, and G5. The grades are classified by maximum pore size, which is obtained by measuring the pressure at which the first air bubble breaks away from the filter under certain conditions. The pressure differential is then used to calculate the equivalent capillary diameters in microns. The desired pore size is obtained by suitable for controlling the grain size, firing time, temperature, and thickness. Each disc is tested and graded individually.

The pore diameters are reasonably uniform, which ensures the required flow rate through the filter.

The flow rate further depends on the pressure differential between the two sides of the disc, free area of the discs, the viscosity of the fluid being filtered, etc. between different discs

of the same size and grade, there is a fair amount of uniformity in pore size, and hence the results from two or more discs of the same size and quality will be uniform. This ensures reproducible analytical results.

The discs have a maximum surface hardness, and hence glass powder does not get scraped off during cleaning or with chemicals. Filters do not shed particles during usage.

The discs are sealed to tubing without blocking the pores. They are appropriately annealed in automatically controlled lehrs.

## POROSITY GRADES AND THEIR GENERAL USE

| Porosity Grade | Pore Size (Microns) | General use  |
|----------------|---------------------|--|
| 1              | 90-150              | Filtration of coarse materials/precipitates, gas Dispersion, gas washing, extractor bed, support for other filter materials. |
| 2.             | 40-90               | Filtration of medium precipitates gas dispersion, gas washing.   |
| 3.             | 15-40               | Filtration of fine grain precipitates. Analytical work With medium precipitates mercury filtration.                          |
| 4.             | 5-15                | Analytical work with fine and very fine precipitates. Non return mercy valves.   |
| 5.             | 1-2                 | Bacteriological filtration.  |

### Chemical Durability

Glassco Sintered ware is produced from the same high-quality material from which all Glassco Brand borosilicate laboratory glassware is manufactured and has excellent resistance to chemical attack.

### Operating Pressure

Glass sintered ware are mainly designed to apply vacuum gas passage at relatively low pressure. In all cases, the differential pressure must not exceed 100 KN/m<sup>2</sup> (1 5psi).

### Thermal Characteristics

The resistance to thermal shock of sintered ware is comparatively less as compared to standard Lab glassware. Therefore, articles of sintered ware should not be subjected to extreme temperature changes in direct flames.

Glassco Sintered crucibles are particularly suited for drying to constant weight. Dry sintered crucibles at room temperature can be placed directly into a drying oven at 1500 C. However, the customary practice is to dry at 1100 C. Sintered ware may safely be heated in a furnace to 5000 C without ill effect. The cycle of heating and cooling is a gradual strain caused by the excessive temperature of the apparatus.

Sintered ware of porosity grades 4 and 5 when cold and damp should never be subjected to a sudden temperature change since the evolution to steam set up sufficient pressure within the filter to crack it.

The filtration apparatus should be kept on its rim (stem upwards) in an oven or sterilizer. A perforated support base is advantageous for air convection in case pipeline filters. Care should be taken by using heat-insulating material such as asbestos to avoid premature near filter seal. Apparatus should remain in the oven of sterilizer during cooling to prevent too fast a cooling rate.

### Cleaning of Sintered Ware

New sintered filters should be washed carefully with hot hydrochloric acid and then rinsed with distilled water before they are used. This treatment will ensure that all loose particles are removed from the filter.

It is recommended that all sintered filters are thoroughly cleaned "immediately" after use. This is the most favorable time for ease of cleaning and will ensure less contamination in subsequent use.

Many residues can be removed from the filter by backflushing with water; however, great care must be taken with large diameters and fine filters. Positive pressures on the reverse side may break the filter.

Under no circumstances should sintered apparatus be subjected to mains water pressure when backflushing, as, in most instances, a vacuum pump is also useful. Filters clogged by dust and dirt dust and gas filtration can be restored by treatment with a warm detergent solution followed by blowing clean air from the filter's clean side. Dirt particles are brought to the surface by the foam and removed by rinsing with water.

Some residues may clog the filter, which may be removed by chemical cleaning as given below.

Clean the porous glass fit of the filter support by backflushing with warm water & then soaking overnight in a chromic acid cleaning solution.

Follow the soaking with another backflushing. After cleaning thoroughly, rinse the components with clean water & air dry. Do not wipe with paper or cloth, which may leave traces of fibers & lint.

## All Glass Filter Holder

For 47 mm Disc Filters

### Specifications:

|                                  |  |
|----------------------------------|--|
| Materials of Construction        | Borosilicate glass funnel and base; anodized aluminum spring clamp; silicone stopper |
| 260.202.01                       | Coarse-frit glass filter support   |
| 261.202.01                       | PTFE-faced funnel and base   |
| 262.202.01                       | Stainless steel screen filter support  |
| Filter Diameter, mm              | 47   |
| Filtration Area, cm <sup>2</sup> | 9.6  |
| Funnel Capacity, mL              | 300; accessory 500ml & 1 Lt is available   |
| Prefilter Diameter, mm           | 35 (thick depth prefilter) or 47 (membrane prefilter)                                |
| Outlet Fitting                   | No. 8 perforated silicone stopper mounts in standard 1 L and 4 L filtering flasks    |
| Dimensions                       |  |
| Height, cm                       | 22.9   |
| Diameter, cm                     | 7.6  |
| Sterilization Method             |  |
| 260.202.01 and 261.202.01        | 30 UV sterilize or autoclave without filter in-place                                 |
| 262.202.01                       | Autoclave with filter in-place   |



### Applications :

#### Use 260.202.01 for

- Bacteriological analysis of water (using 47 mm sterile membrane filters) Analysis of suspended solids in water (using 47 mm depth filters)

#### Use 261.202.01 for

- Bacteriological analysis applications where autoclaving filter holder with membrane in place needed

#### Use 262.202.01 for

- Particulate contamination analysis of oils and hydraulic fluids by gravimetric or particulate counting methods Exfoliative cytology applications

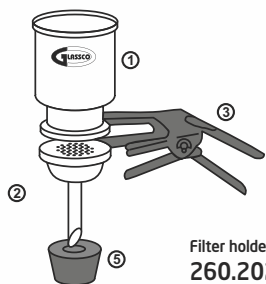
#### Use 258.202.01 for

- Used in vacuum filter aqueous, organic or corrosive liquids for particulate contamination analysis  
Recommended for HPLC solvent filtration



# Glass Filter Holders

For 47 mm Disc Filters



Filter holder with glass filter support, **260.202.01**

- Replacement Parts:**
1. Funnel 300 ml
  2. Base 47 mm Frit
  3. Clamp 47 mm
  5. Stopper 8 No.



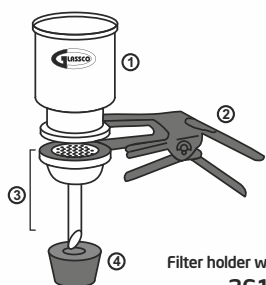
Buy Now!

**Ordering Information:**

| Cat No.    | Description   |
|------------|---|
| 260.202.01 | Glass filter holder assembly with funnel, fritted base, stopper, clamp, 47 mm |

**Replacement Parts:**

|            |                                    |
|------------|------------------------------------|
| 258.245.01 | Glass funnel, 300 ml, borosilicate |
| 260.245.02 | Base for 47 mm glass/filter holder |
| 258.245.02 | Spring clamp, 47 mm, aluminum      |
| 260.245.05 | No. 8 perforated stopper, silicone |



Filter holder with PTFE-faced filter support, **261.202.01**

- Replacement Parts:**
1. Funnel 300 ml Teflon Coated
  2. Clamp 47 mm
  3. Base 47 mm Frit Teflon Coated
  4. Stopper 8 No.

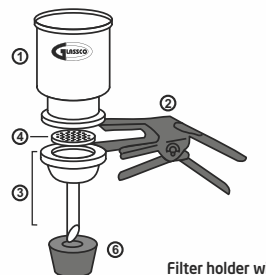


Buy Now!

| Cat No.    | Description  |
|------------|--|
| 261.202.01 | Glass filter holder assembly, PTFE-coated, with PTFE coated funnel and PTFE coated base, stopper no. 8 clamp 47 mm, Frit |

**Replacement Parts:** PTFE-faced Glass Filter Holder

|            |                                    |
|------------|------------------------------------|
| 261.245.01 | Funnel, PTFE-faced, 300 ml         |
| 258.245.02 | Spring clamp, 47 mm, aluminum      |
| 261.245.03 | Glass base, PTFE-faced, 47 mm      |
| 260.245.05 | No. 8 perforated stopper, silicone |



Filter holder with stainless steel screen filter support, **262.202.01**

- Replacement Parts:**
1. Funnel 300 ml
  2. Clamp 47 mm
  3. Base 47 mm
  4. Screen 47 mm
  5. PTFE Gasket
  6. Stopper No. 8



Buy Now!

| Cat No.    | Description  |
|------------|--|
| 262.202.01 | Glass filter holder with stainless steel screen, 47 mm |

**Replacement Parts:** Stainless Screen Glass Filter Holder

|            |  |
|------------|--|
| 258.245.01 | Glass funnel, 300 ml, borosilicate     |
| 258.245.02 | Spring clamp, 47 mm, aluminum          |
| 262.245.03 | Glass base, 47 mm                      |
| 262.245.04 | Support screen, 47 mm, stainless steel |
| 262.245.05 | Gasket, PTFE                           |
| 260.245.05 | No. 8 perforated stopper, silicone     |



VACUUM FILTERING FLASK

**Optional Accessories**

|             |                                       |
|-------------|---------------------------------------|
| 260.245.04  | Vacuum filtering flask, 1 Ltr         |
| 260.245.06  | Vacuum filtering flask, 2 Ltr         |
| 260.245.08  | Vacuum filtering flask, 4 Ltr         |
| 258.245.01A | Funnel 500ml borosilicate Glass       |
| 263.245.08  | Glass Funnel 1 Ltr borosilicate glass |

## All-Glass Filter Holder

For 47 mm Disc Filters

### Specifications:

Materials

258.202.01

Filter Diameter, mm

Borosilicate glass funnel, base and tubulated cap; anodized aluminum spring clamp; fritted glass filter support

Filtration Area, cm<sup>2</sup>

47

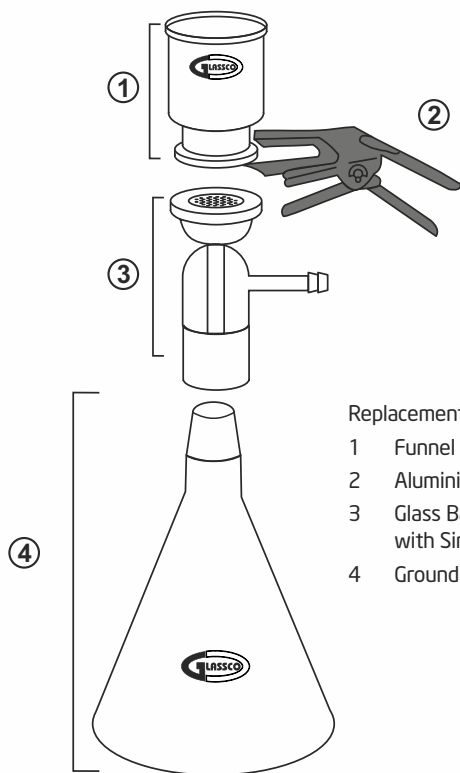
Funnel Capacity, ml

9.6

Outlet Fitting

Funnel: 300 ml; flask: 500ml & 1 Lt is available

6 mm (1/4 in.) O.D. tubulated cap sidearm to vacuum



### Replacement Parts:

- 1 Funnel 300 ml
- 2 Aluminium Clamp 47 mm
- 3 Glass Base 47 mm with Sintered Disc
- 4 Ground Joint Flask 1000 ml



### Ordering Information:

| Cat No.    | Description  |
|------------|--|
| 258.202.01 | All-Glass Filter Holder Assembly with funnel, fritted-base & cap, clamp 47 mm, ground joint flask 1 Ltr. |

| Cat No.    | Description  |
|------------|--|
| 258.284.01 | All-Glass Filter Holder Assembly with funnel, fritted-base & cap, clamp 47 mm, ground joint flask 2 Ltr. |

### Replacement Parts

| Cat No.     | Description                        |
|-------------|------------------------------------|
| 258.245.01  | Glass funnel, 300 ml, Borosilicate |
| 258.245.02  | Spring clamp, 47 mm, aluminum      |
| 258.245.03  | Glass Base & Cap, 47 mm            |
| 258.245.04  | Flask, 1000ml for Filter Holder    |
| 258.245.04A | Flask, 2000ml for Filter Holder    |

### Optional Accessories:

| Cat No.     | Description                           |
|-------------|---------------------------------------|
| 263.245.06  | Bottles Vacuum 2L                     |
| 263.245.07  | Bottles Vacuum 5L                     |
| 258.245.08  | Flask, 4000ml for filter holder       |
| 258.245.09  | Flask, 5000ml for filter holder       |
| 258.245.01A | Glass Funnel 500ml borosilicate glass |
| 263.245.08  | Glass Funnel 1L borosilicate glass    |



Buy Now!



263.245.07



263.245.06

## Glass Microanalysis Filter Holders

For 25 mm Disc Filters

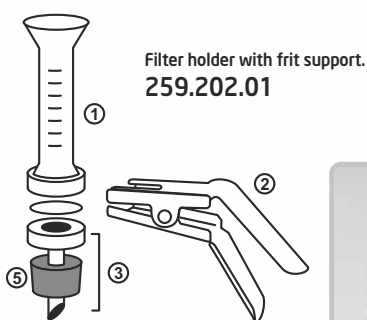
### Applications :

- Used to filter under vacuum/small volumes for particulate or biological contamination analysis
- Available in fritted glass or stainless steel
- Thick prefilters or laminated filters will not seal in this holder
- Use Durapore (PVDF) membrane or unlaminated PTFE for solvent applications with this apparatus.

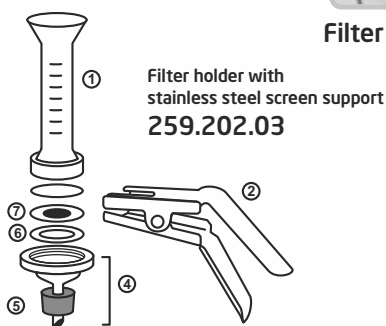
### Specifications:

#### Materials

|                                  |   |
|----------------------------------|---|
| 259.202.01                       | Borosilicate glass funnel and base; fritted glass filter support; anodized aluminum spring clamp; silicone stopper                    |
| 259.202.03                       | Borosilicate glass funnel and base; removable stainless steel screen filter support; anodized aluminum spring clamp; silicone stopper |
| Filter Diameter, mm              | 25  |
| Filtration Area, cm <sup>2</sup> | 2.5   |
| Funnel Capacity, ml              | 15  |
| Outlet Fitting                   | No. 5 perforated silicone stopper mounts in standard 125 ml filtering flask   |
| Dimensions                       |   |
| Height, cm                       | 15.2  |
| Diameter, cm                     | 2.5   |



Filter Flask 125 ml



### Ordering Information:



| Cat No.    | Description  |
|------------|--|
| 259.202.01 | Microanalysis Filter Holder, 25 mm, fritted glass support with Flask |

Buy Now!

#### Replacement Parts

|            |  |
|------------|--|
| 259.245.01 | Funnel, 15 ml, borosilicate glass      |
| 259.245.02 | Fritted Glass Base with stopper, 25 mm |
| 259.245.03 | Spring Clamp, 25 mm, aluminum          |
| 259.245.06 | No. 5 perforated stopper, silicone     |



| Cat No.    | Description  |
|------------|--|
| 259.202.03 | Microanalysis Filter Holder, 25 mm, stainless steel support with Flask |

Buy Now!

#### Replacement Parts

|            |  |
|------------|--|
| 259.245.01 | Funnel, 15 ml, borosilicate glass      |
| 259.245.03 | Spring Clamp, 25 mm, aluminum          |
| 259.245.05 | Base stopper & stainless steel screen  |
| 259.245.06 | No. 5 perforated stopper, silicone     |
| 259.245.07 | Gaskets, Teflon                        |
| 259.245.08 | Support Screen, 25 mm, stainless steel |

#### Optional Accessories

|            |                                |
|------------|--------------------------------|
| 259.245.04 | Vacuum filtering flask, 125 ml |
| 260.245.05 | No. 8 perforated stopper       |

## All-Glass Filter Holder

(90 mm)

### Applications :

- Used in vacuum filter aqueous, organic or corrosive liquids for particulate contamination analysis
- Recommended for HPLC solvent filtration.

### Specifications:

|                     |   |
|---------------------|---|
| Materials           | Borosilicate glass funnel, base and tubulated cap; PTFE-coated stainless steel screen; anodized aluminum spring clamp |
| Filter Diameter, mm | 90  |
| Funnel Capacity, L  | 1   |
| Outlet Fitting      | 6 mm (1/4 in.) O.D. tubulated cap sidearm to vacuum   |

### Ordering Information:

| Cat. No.   | Description  |
|------------|--|
| 263.202.01 | Glass Filter Holder with PTFE Coated Stainless steel screen, 90 mm |

### Replacement Parts

| Cat. No.   | Description                                |
|------------|--|
| 263.245.01 | Funnel, 1 L, 90 mm, ground glass seal      |
| 263.245.02 | Vacuum Base and Cap, 90 mm                 |
| 263.245.03 | Stainless Steel Screen, PTFE coated, 90 mm |
| 263.245.04 | Gasket, PTFE 90 mm                         |
| 263.245.05 | Spring Clamp, 90 mm anodized aluminum      |

### Cat. No. Description

|            |  |
|------------|--|
| 263.202.02 | Glass Filter Holder with frit ted disc |
|------------|--|

*New*

### Replacement Parts

| Cat. No.   | Description                           |
|------------|---------------------------------------|
| 263.245.01 | Funnel, 1 L, 90 mm, ground glass seal |
| 263.248.02 | Cap glass base with fritted disc      |
| 263.245.05 | Spring Clamp, 90 mm anodized aluminum |

### Optional Accessories

| Cat. No.   | Description             |
|------------|-------------------------|
| 258.245.04 | Ground Joint Flask, 1 L |
| 263.245.06 | Bottle Vacuum 2 L       |
| 263.245.07 | Bottle Vacuum 5 L       |
| 258.245.08 | Ground joint Flask, 4 L |
| 258.245.09 | Ground Joint Flask 5 L  |



Buy Now!



258.245.04



263.245.07



# Vacuum Pump *New*

## Salient Features:

- Valves made of SS 316 material Built-in micro suction filter
- All parts made from special graded Aluminum die cast material for light weight and good strength
- Totally oil-free construction
- No lubricant required
- Diaphragms are made of special 2-ply nylon reinforced neoprene rubber.
- Noiseless performance
- Extra large bearings for trouble-free and smooth running.
- Absolutely portable
- Practically maintenance –free



| Item Code   | Volt | Hz |
|-------------|------|----|
| 970.DNEU.01 | 230  | 50 |



Buy Now!

## Technical Specification :

|                   |                   |
|-------------------|-------------------|
| <b>Material</b>   | Aluminum Die Cast |
| <b>Vacuum</b>     | 22" Hg            |
| <b>Flow</b>       | 15 (Ltrs/Min)     |
| <b>Pressure</b>   | 25 Psig           |
| <b>Connection</b> | 10 mm Hose        |
| <b>Weight</b>     | 2.5 Kg            |
| <b>Motor</b>      | 1/20 hp           |
| <b>Dimension</b>  | 150x110x140       |



## Vacuum Filtration Manifold *New*



Vacuum Filtration Manifold is an integrated filtration system with a prime to filter multiple samples off one vacuum source. It is without filter holders. It is entirely supported on stainless steel manifold with rugged side supports which keeps the system rigid and firm even while fully loaded. The holder equipped with a funnel SS lid can be vented using an accessory filter unit. It can be autoclaved or flame-sterilised.

| Item Code  | Volt | Hz |
|------------|------|----|
| 252.202.01 | 230  | 50 |



Buy Now!

### Vacuum Filter Holders and Filtration Accessories for use in :

- Used for filtration of chromatography mobile phases and particulate contamination analysis.
- For vacuum filtration of aqueous, organic or corrosive liquids.
- Useful for Bacteriological or Particulate Contamination Analysis

### Technical Specification :

|                           |                       |
|---------------------------|-----------------------|
| Material                  | Stainless Steel SS316 |
| Valve Type                | PTFE                  |
| Line Type                 | 2 Way                 |
| Out Let                   | 8x13 Hose             |
| Available Range           | 3 Branch              |
| Polish                    | Mirror                |
| Connecter                 | 1/2" Hose (12mm)      |
| Filter Type               | 47mm                  |
| Autoclave                 | 121°C (15 Min)        |
| Seal                      | Sillicone             |
| Cork Size                 | Cork No. 8            |
| Capacity                  | 300 ml                |
| Effective Filtration Area | 13.5 Cm <sup>2</sup>  |

*Also available in :*

**6 Station Vacuum  
Filtration Manifold**

## Flask, Clear, Conical, Graduated, (Erlenmeyer) Narrow Mouth

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with ISO 1773
- Has Reinforced thick Rim to reduce chipping & breakage

| Item Code    | Capacity (ml) | Body Dia (mm) | Neck Dia (mm) | Height (mm) | Pack of |
|--------------|---------------|---------------|---------------|-------------|---------|
| 231.202.01   | 25            | 42            | 22            | 75          | 10      |
| 231.202.02   | 50            | 51            | 22            | 90          | 10      |
| 231.202.03   | 100           | 64            | 24            | 105         | 10      |
| 231.202.03A* | 150           | 74            | 28            | 118         | 10      |
| 231.202.04   | 250           | 85            | 34            | 145         | 10      |
| 231.202.05   | 500           | 105           | 34            | 180         | 10      |
| 231.202.06   | 1000          | 131           | 42            | 220         | 10      |
| 231.202.07   | 2000          | 166           | 50            | 280         | 6       |
| 231.202.08   | 3000          | 187           | 50            | 310         | 1       |
| 231.202.09   | 5000          | 220           | 50            | 365         | 1       |

\*Non DIN



Buy Now!



## Flask, Amber, Conical, Graduated, (Erlenmeyer) Narrow Mouth *New*

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with ISO 1773
- Has Reinforced thick Rim to reduce chipping & breakage

| Item Code   | Capacity (ml) | D. (mm) | D1 (mm) | H. (mm) | Pack of |
|-------------|---------------|---------|---------|---------|---------|
| 231.519.03  | 100           | 64      | 22      | 105     | 10      |
| 231.519.03A | 150           | 74      | 28      | 118     | 10      |
| 231.519.04  | 250           | 85      | 34      | 145     | 10      |
| 231.519.05  | 500           | 105     | 34      | 180     | 10      |
| 231.519.06  | 1000          | 131     | 42      | 220     | 10      |

\*Non DIN



Buy Now!



## Flask, Graduated, Erlenmeyer, Narrow Mouth

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- These flasks are made from thick wall and have reinforced thick beaded rim
- The flasks are produced to meet ASTM E-1404, TYPE-1 specifications
- All the flasks are printed in white enamel

| Item Code   | Capacity (ml) | Sub Division (ml) | Graduation Range | Rubber Stopper Size | Pack of |
|-------------|---------------|-------------------|------------------|---------------------|---------|
| 231.402.01  | 25            | 5                 | 10-25            | 0                   | 12      |
| 231.402.02  | 50            | 10                | 20-50            | 1                   | 12      |
| 231.402.03A | 125           | 25                | 50-125           | 5                   | 12      |
| 231.402.04  | 250           | 25                | 50-225           | 6                   | 12      |
| 231.402.04A | 300           | 25                | 100-300          | 6                   | 12      |
| 231.402.05  | 500           | 50                | 100-500          | 7                   | 6       |
| 231.402.06  | 1000          | 50                | 250-1000         | 9                   | 6       |
| 231.402.07  | 2000          | 100               | 600-2000         | 10                  | 4       |
| 231.402.08A | 4000          | 250               | 1000-4000        | 10                  | 1       |
| 231.402.09  | 6000          | 500               | 1500-6000        | 10                  | 1       |



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GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

HEAVY WALL



Buy Now!

## Flask, Heavy Duty, Conical (Erlenmeyer) Narrow Mouth *New*

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with ISO 1773
- All the flasks are printed in white enamel
- Has Reinforced thick Rim to reduce chipping & breakage

| Item Code    | Capacity (ml) | Body Dia (mm) | Neck Dia (mm) | Height (mm) | Pack of |
|--------------|---------------|---------------|---------------|-------------|---------|
| 231.237.01   | 25            | 42            | 22            | 75          | 10      |
| 231.237.02   | 50            | 51            | 22            | 90          | 10      |
| 231.237.03   | 100           | 64            | 24            | 105         | 10      |
| 231.237.03A* | 150           | 74            | 28            | 118         | 10      |
| 231.237.05   | 250           | 85            | 34            | 145         | 10      |
| 231.237.07   | 500           | 105           | 34            | 180         | 10      |
| 231.237.08   | 1000          | 131           | 42            | 220         | 10      |
| 231.237.09   | 2000          | 166           | 50            | 280         | 6       |
| 231.237.10   | 3000          | 187           | 50            | 310         | 1       |
| 231.237.12   | 5000          | 220           | 50            | 365         | 1       |

\* Non DIN



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant



Buy Now!

## Flask, Conical (Erlenmeyer) Wide Mouth

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Compliance with ISO 24450
- All the flasks are printed in white enamel
- Has Reinforced thick Rim to reduce chipping & breakage

| Item Code   | Capacity (ml) | D. (mm) | D1 (mm) | H. (mm) | Pack of |
|-------------|---------------|---------|---------|---------|---------|
| 232.202.01* | 25            | 42      | 31      | 70      | 10      |
| 232.202.02  | 50            | 51      | 34      | 85      | 10      |
| 232.202.03  | 100           | 64      | 34      | 105     | 10      |
| 232.202.05  | 250           | 85      | 50      | 140     | 10      |
| 232.202.07  | 500           | 105     | 50      | 175     | 10      |
| 232.202.08  | 1000          | 131     | 50      | 220     | 10      |
| 232.202.09* | 2000          | 166     | 72      | 276     | 6       |

\* Non DIN

## Flask, Filter

- With Glass Connector
- Made from heavy wall which can withstand high vacuum
- Printed in white colour enamel without Graduation

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 074.202.00 | 50            | 2       |
| 074.202.01 | 100           | 2       |
| 074.202.02 | 250           | 2       |
| 074.202.03 | 500           | 2       |
| 074.202.04 | 1000          | 2       |
| 074.202.05 | 2000          | 1       |
| 074.202.08 | 5000          | 1       |



Buy Now!



## Flask, Buchner, plain side arm and ground socket *New*

- Complies with DIN ISO 3585
- Buchner filter flasks with precision-ground quick fit socket
- With traditional plain glass side-arm to accept 9mm bore vacuum tubing
- Heavy wall and base construction for vacuum work

| Item Code   | Capacity (ml) | Socket Size | Height (mm) | Approx Dia (mm) | Pack of |
|-------------|---------------|-------------|-------------|-----------------|---------|
| 074.205.01B | 100           | 19/26       | 107         | 70              | 2       |
| 074.205.01C | 100           | 24/29       | 107         | 70              | 2       |
| 074.205.02  | 250           | 24/29       | 158         | 85              | 2       |
| 074.205.02A | 250           | 29/32       | 158         | 85              | 2       |
| 074.205.03  | 500           | 24/29       | 188         | 105             | 2       |
| 074.205.03A | 500           | 29/32       | 188         | 105             | 2       |
| 074.205.04  | 1000          | 24/29       | 238         | 138             | 2       |
| 074.205.04A | 1000          | 29/32       | 238         | 138             | 2       |



Buy Now!



*\*Without Stopper*

## Flask, Conical, With Joint

- Complies with ISO 4797
- Ideal for mixing liquids



Buy Now!

| Item Code    | Capacity (ml) | Socket Size | Overall Height | Overall Dia (mm) | Pack of |
|--------------|---------------|-------------|----------------|------------------|---------|
| 071.202.06   | 25            | 14/23       | 70             | 42               | 10      |
| 071.202.07   | 25            | 19/26       | 70             | 42               | 10      |
| 071.202.08   | 50            | 14/23       | 85             | 51               | 10      |
| 071.202.09   | 50            | 19/26       | 85             | 51               | 10      |
| 071.202.10*  | 50            | 24/29       | 85             | 51               | 10      |
| 071.202.10A* | 50            | 29/32       | 85             | 51               | 10      |
| 071.202.11   | 100           | 14/23       | 100            | 64               | 10      |
| 071.202.12   | 100           | 19/26       | 100            | 64               | 10      |
| 071.202.13   | 100           | 24/29       | 100            | 64               | 10      |
| 071.202.14   | 100           | 29/32       | 100            | 64               | 10      |
| 071.202.15*  | 150           | 19/26       | 118            | 72               | 10      |
| 071.202.16*  | 150           | 24/29       | 118            | 72               | 10      |
| 071.202.17*  | 150           | 29/32       | 118            | 72               | 10      |
| 071.202.17A* | 200           | 29/32       | 131            | 79               | 10      |
| 071.202.18   | 250           | 19/26       | 140            | 85               | 10      |
| 071.202.19   | 250           | 24/29       | 140            | 85               | 10      |
| 071.202.20   | 250           | 29/32       | 140            | 85               | 10      |
| 071.202.21A* | 300           | 29/32       | 156            | 87               | 10      |
| 071.202.22   | 500           | 19/26       | 175            | 105              | 10      |
| 071.202.22A  | 500           | 24/29       | 175            | 105              | 10      |
| 071.202.23   | 500           | 29/32       | 175            | 105              | 10      |
| 071.202.25   | 1000          | 24/29       | 220            | 131              | 10      |
| 071.202.26   | 1000          | 29/32       | 220            | 131              | 10      |
| 071.202.27   | 1000          | 34/35       | 220            | 131              | 10      |
| 071.202.28   | 2000          | 29/32       | 270            | 166              | 6       |
| 071.202.29   | 2000          | 34/35       | 270            | 166              | 6       |
| 071.202.30   | 3000          | 45/40       | 310            | 187              | 1       |
| 071.202.31   | 5000          | 45/40       | 365            | 220              | 1       |

\* Non Din

## Flask, Iodine

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Determination of Iodine with ground joint and stopper



Buy Now!

| Item Code  | Capacity (ml) | Joint Size | Pack of |
|------------|---------------|------------|---------|
| 072.202.01 | 250           | 24/29      | 2       |
| 072.202.02 | 250           | 29/32      | 2       |
| 072.202.03 | 500           | 24/29      | 2       |
| 072.202.04 | 500           | 29/32      | 2       |

## Flask, Erlenmeyer with Joint

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- These Flasks comes with Ground Joint & manufactured as per ASTM E-1404, Type 2, Class-1 requirement
- The Flasks are printed in white colour enamel

| Item Code    | Capacity (ml) | Joint Size | Pack of |
|--------------|---------------|------------|---------|
| 071.470.04*  | 10            | 14/20      | 2       |
| 071.470.06   | 25            | 14/20      | 2       |
| 071.470.09*  | 50            | 14/20      | 2       |
| 071.202.50   | 50            | 19/38      | 2       |
| 071.470.10A* | 50            | 24/40      | 2       |
| 071.470.51A* | 125           | 19/22      | 2       |
| 071.202.51   | 125           | 24/40      | 2       |
| 071.202.52   | 250           | 24/40      | 2       |
| 071.202.52A* | 300           | 24/40      | 2       |
| 071.202.53   | 500           | 24/40      | 2       |
| 071.202.54   | 1000          | 24/40      | 1       |
| 071.202.55   | 2000          | 24/40      | 1       |

\* Non ASTM Standard



Buy Now!

## Flask, Conical

- Made from DIN ISO 3585, Boro 3.3 heat resistance glass
- Compliance with ISO 4797
- With Ground Joint
- Supplied with Penny Head Glass stopper

| Item Code   | Capacity (ml) | Neck Size | Dia. (mm) | Height (mm) | Pack of |
|-------------|---------------|-----------|-----------|-------------|---------|
| 076.276.01  | 25            | 14/23     | 42        | 70          | 2       |
| 076.276.02  | 50            | 19/26     | 51        | 85          | 2       |
| 076.276.01A | 100           | 24/29     | 64        | 100         | 2       |
| 076.276.01  | 100           | 29/32     | 64        | 100         | 2       |
| 076.276.04B | 250           | 29/32     | 85        | 140         | 2       |
| 076.276.05  | 500           | 24/29     | 105       | 175         | 2       |
| 076.276.05B | 500           | 29/32     | 105       | 175         | 2       |
| 076.276.06  | 1000          | 29/32     | 131       | 220         | 2       |
| 076.276.07  | 2000          | 29/32     | 166       | 270         | 1       |



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Buy Now!

## With Hollow Glass Stopper

| Item Code   | Capacity (ml) | Neck Size | Dia. (mm) | Height (mm) | Pack of |
|-------------|---------------|-----------|-----------|-------------|---------|
| 076.202.01A | 100           | 24/29     | 64        | 100         | 2       |
| 076.202.01  | 100           | 29/32     | 64        | 100         | 2       |
| 076.202.02  | 250           | 29/32     | 85        | 140         | 2       |
| 076.202.03A | 500           | 24/29     | 105       | 175         | 2       |
| 076.202.03  | 500           | 29/32     | 105       | 175         | 2       |
| 076.202.04  | 1000          | 29/32     | 131       | 220         | 2       |
| 076.202.05  | 2000          | 29/32     | 166       | 270         | 1       |



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## Flask, Erlenmeyer, with Screw Cap

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- The screw cap is made from Polyethylene which is Autoclavable
- Comes with PTFE Liner.

| Item Code  | Capacity (ml) | Thread Size | Dia (mm) | Pack of |
|------------|---------------|-------------|----------|---------|
| 075.202.01 | 50            | GL 25       | 51       | 2       |
| 075.202.02 | 100           | GL 25       | 64       | 2       |
| 075.202.03 | 150           | GL 25       | 72       | 2       |
| 075.207.04 | 250           | GL 45       | 85       | 2       |
| 075.207.05 | 500           | GL 45       | 105      | 2       |
| 075.207.06 | 1000          | GL 45       | 131      | 2       |
| 075.207.07 | 2000          | GL 45       | 166      | 2       |
| 075.207.10 | 5000          | GL 45       | 220      | 2       |



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## Flask, Erlenmeyer, Conical, Narrow Mouth *New*

- Made From Heat Resistant Boro 3.3 Glass
- With Interchangeable Stopper
- Suitable for mixing of liquids
- The Amber colour is applied only to the external surface to prevent contamination with the testing material and protect light sensitive substances.
- These flasks can be closed with a glass stopper

| Item Code  | Capacity (ml) | Interchangeable Joint | Pack of |
|------------|---------------|-----------------------|---------|
| 076.502.00 | 25            | 14/23                 | 2       |
| 076.502.01 | 50            | 19/26                 | 2       |
| 076.502.02 | 100           | 24/29                 | 2       |
| 076.502.03 | 250           | 24/29                 | 2       |
| 076.502.04 | 500           | 24/29                 | 2       |

## Flask, Culture, Baffled, Heavy Wall, with Membrane Cap *New*

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Ideal for preparing cell cultures
- The four equidistant baffles provide consistent agitation when used with compatible orbital shakers
- Suitable for repeated autoclave cycles at 121°C

| Item Code  | Capacity (ml) | Bulb Dia. (mm) | Height (mm) | Thread GL Size (mm) | Pack of |
|------------|---------------|----------------|-------------|---------------------|---------|
| 075.212.04 | 250           | 85             | 150         | 45                  | 2       |
| 075.212.05 | 500           | 105            | 185         | 45                  | 2       |
| 075.212.06 | 1000          | 131            | 225         | 45                  | 2       |
| 075.212.07 | 2000          | 160            | 290         | 45                  | 1       |



Buy Now!



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

121°C  
SSSS

## Flask, Culture, Haffkine

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Used for Preparation of Culture in Nutrient Media
- Suitable for use in Polenske Apparatus
- Complies with IS 7183 Standard

| Item Code  | Capacity (ml) | Approx O.D x Height | Pack of |
|------------|---------------|---------------------|---------|
| 235.207.07 | 3000*         | 245 x 280           | 1       |
| 235.207.08 | 4000          | 246 x 310           | 1       |



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GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

\*3000 ml not covered in standards





GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant



Buy Now!

## Flask, Distillation

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with ASTM E-133, ASTM D-86, D-233, D-801, D 802 & E 1405

| Item Code   | Capacity (ml) | Dia. (mm) | Height (mm) | Side Dia (mm) | Arm Length | Pack of |
|-------------|---------------|-----------|-------------|---------------|------------|---------|
| 073.202.03* | 100           | 65        | 215         | 7             | 100        | 2       |
| 073.205.01  | 125           | 68        | 215         | 7             | 100        | 2       |
| 073.202.04  | 250           | 85        | 226         | 9             | 130        | 2       |
| 073.202.05* | 500           | 105       | 240         | 9             | 130        | 2       |

\* Non ASTM

## Flask, Distillation

- Complies with **ASTM D-86** Standard
- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- With 19/26 Joint



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant



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| Item Code  | Capacity (ml) | Dia. (mm) | Height (mm) | Side Dia (mm) | Arm Length | Pack of |
|------------|---------------|-----------|-------------|---------------|------------|---------|
| 073.206.01 | 125           | 68        | 215         | 8             | 100        | 2       |

## Flask, Evaporating

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Used in Rotary Evaporator

| Item Code  | Capacity (ml) | Socket Size | Approx. Overall Height (mm) | Pack of |
|------------|---------------|-------------|-----------------------------|---------|
| 069.202.01 | 50            | 29/32       | 95                          | 10      |
| 069.202.02 | 100           | 24/29       | 110                         | 10      |
| 069.202.03 | 100           | 29/32       | 110                         | 10      |
| 069.202.04 | 250           | 24/29       | 135                         | 10      |
| 069.202.05 | 250           | 29/32       | 135                         | 10      |
| 069.202.06 | 500           | 24/29       | 160                         | 10      |
| 069.202.07 | 500           | 29/32       | 160                         | 10      |
| 069.202.08 | 1000          | 24/29       | 190                         | 10      |
| 069.202.09 | 1000          | 29/32       | 190                         | 10      |
| 069.202.10 | 2000          | 29/32       | 235                         | 6       |



Buy Now!



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GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

## ASTM Sizes

| Item Code  | Capacity (ml) | Socket Size | Approx. Overall Height (mm) | Pack of |
|------------|---------------|-------------|-----------------------------|---------|
| 069.470.02 | 10            | 14/20       | 60                          | 1       |
| 069.470.04 | 25            | 14/20       | 80                          | 1       |
| 069.470.06 | 25            | 24/40       | 100                         | 1       |
| 069.470.07 | 50            | 14/20       | 95                          | 1       |
| 069.470.08 | 50            | 19/22       | 95                          | 1       |
| 069.470.09 | 50            | 24/40       | 104                         | 1       |
| 069.470.10 | 100           | 14/20       | 107                         | 1       |
| 069.470.12 | 100           | 24/40       | 130                         | 1       |
| 069.470.16 | 200           | 24/40       | 135                         | 1       |
| 069.470.18 | 250           | 14/20       | 136                         | 1       |
| 069.470.20 | 250           | 24/40       | 156                         | 1       |
| 069.470.22 | 500           | 24/40       | 175                         | 1       |
| 069.470.24 | 1000          | 24/40       | 205                         | 1       |



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

## Flask-D, Without Side Cut for Dissolution Apparatus

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- Complies with **USP 711** standard
- Ideal for determining the dissolution characterism of drugs in capsules and tablets
- Graduated in interval of 50ml
- Smooth hemispherical base
- Confirms to all requirements of USP



Buy Now!

| Item Code  | Capacity (ml) | D. (mm) | H. (mm) | Pack of |
|------------|---------------|---------|---------|---------|
| 267.205.07 | 1000          | 131     | 171     | 6       |



GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

## Flask-E, Without Side Cut for Dissolution Apparatus

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- Complies with **USP 711** standard
- Smooth hemispherical base
- Graduated in interval of 50ml
- Vessels confirms to all requirements of USP



Buy Now!

| Item Code  | Capacity (ml) | D. (mm) | H. (mm) | Pack of |
|------------|---------------|---------|---------|---------|
| 266.202.07 | 1000          | 131     | 173     | 6       |

## Flask-E Amber, Without Side Cut for Dissolution Apparatus *New*

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- Complies with **USP 711** standard
- Smooth hemispherical base
- Graduated in interval of 50ml
- Vessels confirms to all requirements of USP

| Item Code  | Capacity (ml) | D. (mm) | H. (mm) | Pack of |
|------------|---------------|---------|---------|---------|
| 267.202.07 | 1000          | 131     | 173     | 6       |



Buy Now!



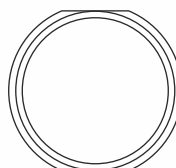
## Flask-L, Without Side Cut for Dissolution Apparatus

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- Complies with **USP 711** standard
- Smooth hemispherical base
- Graduated in interval of 50ml
- Vessels confirms to all requirements of USP

| Item Code  | Capacity (ml) | D. (mm) | H. (mm) | Pack of |
|------------|---------------|---------|---------|---------|
| 266.204.07 | 1000          | 124     | 173     | 6       |



Buy Now!





GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant



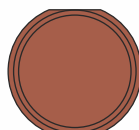
Buy Now!

## Flask-L Amber, With Side Cut for Dissolution Apparatus

*New*

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- Complies with **USP 711** standard
- Smooth hemispherical base
- Graduated in interval of 50ml
- Vessels confirms to all requirements of USP

| Item Code  | Capacity (ml) | D. (mm) | H. (mm) | Pack of |
|------------|---------------|---------|---------|---------|
| 267.204.07 | 1000          | 124     | 173     | 6       |



## Flask, Conical

- Made of Polypropylene
- Are Rigid, Translucent & Autoclavable
- Screw cap keeps the contents of flask contamination Free and leakproof



Screw  
Cap

5  
PP

121°C  
SSSS

Leakproof



Buy Now!

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 111.303.01 | 100           | 12      |
| 111.303.02 | 250           | 12      |
| 111.303.03 | 500           | 12      |



Threads should be disengaged before autoclaving.

## Flask, Flat Bottom, Narrow Neck

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- With beaded rim
- Complies with DIN/ISO 1773

| Item Code   | Capacity (ml) | Body Dia (mm) | Neck Dia (mm) | Height (mm) | Pack of |
|-------------|---------------|---------------|---------------|-------------|---------|
| 235.202.01  | 50            | 51            | 26            | 90          | 10      |
| 235.202.02  | 100           | 64            | 26            | 105         | 10      |
| 235.204.02* | 150           | 74            | 28            | 115         | 10      |
| 235.202.03  | 250           | 85            | 34            | 138         | 10      |
| 235.204.03* | 300           | 93            | 34            | 143         | 10      |
| 235.202.04  | 500           | 105           | 34            | 163         | 10      |
| 235.202.05  | 1000          | 131           | 42            | 190         | 10      |
| 235.202.06  | 2000          | 166           | 50            | 230         | 6       |
| 235.202.07* | 3000          | 185           | 50            | 250         | 1       |
| 235.202.08* | 5000          | 233           | 50            | 290         | 1       |
| 235.202.09  | 10000         | 280           | 65            | 360         | 1       |
| 235.202.10* | 20000         | 350           | 75            | 495         | 1       |

\* Non DIN



Buy Now!



## Flask, Flat Bottom, Wide Neck

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- With beaded rim
- Complies with DIN/ISO 24450

| Item Code  | Capacity (ml) | Body Dia (mm) | Neck Dia (mm) | Height (mm) | Pack of |
|------------|---------------|---------------|---------------|-------------|---------|
| 236.202.01 | 50            | 51            | 34            | 90          | 10      |
| 236.202.02 | 100           | 64            | 34            | 105         | 10      |
| 236.202.03 | 250           | 85            | 50            | 138         | 10      |
| 236.202.04 | 500           | 105           | 50            | 163         | 10      |
| 236.202.05 | 1000          | 131           | 50            | 190         | 10      |
| 236.202.06 | 2000          | 166           | 76            | 230         | 6       |



Buy Now!



## Flask, Boiling, Flat Bottom, with Joint

- Complies with DIN / ISO 4797 and USP standard



Buy Now!

| Item Code    | Capacity (ml) | Socket Size | Approx. Overall Height (mm) | Dia (mm) | Pack of |
|--------------|---------------|-------------|-----------------------------|----------|---------|
| 058.202.00*  | 50            | 14/23       | 85                          | 51       | 10      |
| 058.202.01   | 50            | 19/26       | 85                          | 51       | 10      |
| 058.202.02*  | 50            | 24/29       | 85                          | 51       | 10      |
| 058.202.02A  | 50            | 29/32       | 85                          | 51       | 10      |
| 058.202.03B* | 100           | 14/23       | 103                         | 64       | 10      |
| 058.202.03   | 100           | 19/26       | 103                         | 64       | 10      |
| 058.202.04*  | 100           | 24/29       | 103                         | 64       | 10      |
| 058.202.05   | 100           | 29/32       | 103                         | 64       | 10      |
| 058.202.07*  | 150           | 19/26       | 115                         | 74       | 10      |
| 058.202.08*  | 150           | 24/29       | 115                         | 74       | 10      |
| 058.202.09*  | 150           | 29/32       | 115                         | 74       | 10      |
| 058.202.11A* | 250           | 14/23       | 130                         | 85       | 10      |
| 058.202.11   | 250           | 19/26       | 130                         | 85       | 10      |
| 058.202.12   | 250           | 24/29       | 130                         | 85       | 10      |
| 058.202.13   | 250           | 29/32       | 130                         | 85       | 10      |
| 058.202.14*  | 250           | 34/35       | 130                         | 85       | 10      |
| 058.202.15*  | 500           | 19/26       | 160                         | 105      | 10      |
| 058.202.16*  | 500           | 24/29       | 160                         | 105      | 10      |
| 058.202.17   | 500           | 29/32       | 160                         | 105      | 10      |
| 058.202.18*  | 500           | 34/35       | 160                         | 105      | 10      |
| 058.202.19A* | 1000          | 19/26       | 187                         | 131      | 10      |
| 058.202.19*  | 1000          | 24/29       | 187                         | 131      | 10      |
| 058.202.20   | 1000          | 29/32       | 187                         | 131      | 10      |
| 058.202.21*  | 1000          | 34/35       | 187                         | 131      | 10      |
| 058.202.22*  | 2000          | 24/29       | 230                         | 166      | 6       |
| 058.202.23   | 2000          | 29/32       | 230                         | 166      | 6       |
| 058.202.24*  | 2000          | 34/35       | 230                         | 166      | 6       |
| 058.202.25*  | 3000          | 29/32       | 250                         | 185      | 1       |
| 058.202.25A* | 3000          | 34/35       | 250                         | 185      | 1       |
| 058.202.25B* | 3000          | 45/40       | 250                         | 185      | 1       |
| 058.202.26B* | 5000          | 29/32       | 290                         | 223      | 1       |
| 058.202.26A* | 5000          | 34/35       | 290                         | 223      | 1       |
| 058.202.26*  | 5000          | 45/40       | 290                         | 223      | 1       |

\* Non Din

PS : These flasks can also be provided in other joint sizes

## Flask, Boiling, Flat Bottom with Joint

- These Flasks comes with Ground Joint manufactured as per ASTM E-1403 type 1 specifications.
- The Flasks are printed in white colour enamel



Buy Now!

| Item Code   | Capacity (ml) | Socket Size | Approx. Overall Height (mm) | Dia (mm) | Pack of |
|-------------|---------------|-------------|-----------------------------|----------|---------|
| 058.202.56  | 50            | 24/40       | 95                          | 51       | 2       |
| 058.202.58  | 100           | 24/40       | 110                         | 64       | 2       |
| 058.202.58A | 125           | 24/40       | 110                         | 69       | 2       |
| 058.202.58C | 200           | 24/40       | 123                         | 75       | 2       |
| 058.202.59  | 250           | 24/40       | 130                         | 85       | 2       |
| 058.202.59A | 300           | 24/40       | 140                         | 88       | 2       |
| 058.202.60  | 500           | 24/40       | 160                         | 105      | 2       |
| 058.470.23  | 1000          | 29/42       | 178                         | 131      | 1       |
| 058.202.61  | 1000          | 24/40       | 205                         | 131      | 1       |
| 058.202.62  | 2000          | 24/40       | 178                         | 166      | 1       |

## Flask, Boiling, Round Bottom, Narrow Neck

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with ISO 1773
- With beaded rim

| Item Code   | Capacity (ml) | Body Dia (mm) | Neck Dia (mm) | Height (mm) | Pack of |
|-------------|---------------|---------------|---------------|-------------|---------|
| 233.202.01  | 50            | 51            | 26            | 95          | 10      |
| 233.202.02  | 100           | 64            | 26            | 110         | 10      |
| 233.203.02* | 150           | 74            | 28            | 118         | 10      |
| 233.202.03  | 250           | 85            | 34            | 143         | 10      |
| 233.202.04  | 500           | 105           | 34            | 168         | 10      |
| 233.202.05  | 1000          | 131           | 42            | 200         | 10      |
| 233.202.06  | 2000          | 166           | 50            | 240         | 6       |
| 233.202.07* | 3000          | 185           | 50            | 260         | 1       |
| 233.202.08* | 5000          | 223           | 50            | 305         | 1       |
| 233.202.09  | 10000         | 279           | 65            | 380         | 1       |
| 233.202.10* | 20000         | 350           | 75            | 510         | 1       |

\* Non DIN



Buy Now!



## Flask, Boiling, Round Bottom, Wide Neck

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with ISO 24450
- With beaded rim

| Item Code  | Capacity (ml) | Body Dia (mm) | Neck Dia (mm) | Height (mm) | Pack of |
|------------|---------------|---------------|---------------|-------------|---------|
| 234.202.01 | 50            | 51            | 34            | 95          | 10      |
| 234.202.02 | 100           | 64            | 34            | 110         | 10      |
| 234.202.03 | 250           | 85            | 50            | 143         | 10      |
| 234.202.04 | 500           | 105           | 50            | 168         | 10      |
| 234.202.05 | 1000          | 131           | 50            | 200         | 10      |
| 234.202.07 | 2000          | 166           | 76            | 240         | 6       |



Buy Now!







Buy Now!

## Flask, Boiling, Round Bottom, Single Neck with Joint

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with DIN / ISO 4797 & USP standard

| Item Code    | Capacity (ml) | Socket Size | Approx. Overall Height (mm) | Dia (mm) | Pack of |
|--------------|---------------|-------------|-----------------------------|----------|---------|
| 057.202.05   | 25            | 14/23       | 85                          | 41       | 10      |
| 057.202.06*  | 25            | 19/26       | 85                          | 41       | 10      |
| 057.202.07*  | 25            | 24/29       | 85                          | 41       | 10      |
| 057.202.08   | 50            | 14/23       | 90                          | 51       | 10      |
| 057.202.09   | 50            | 19/26       | 90                          | 51       | 10      |
| 057.202.10   | 50            | 24/29       | 90                          | 51       | 10      |
| 057.202.10A  | 50            | 29/32       | 90                          | 51       | 10      |
| 057.202.11   | 100           | 14/23       | 105                         | 64       | 10      |
| 057.202.12   | 100           | 19/26       | 105                         | 64       | 10      |
| 057.202.13   | 100           | 24/29       | 105                         | 64       | 10      |
| 057.202.14   | 100           | 29/32       | 105                         | 64       | 10      |
| 057.202.16*  | 150           | 19/26       | 137                         | 75       | 10      |
| 057.202.17*  | 150           | 24/29       | 137                         | 75       | 10      |
| 057.202.18*  | 150           | 29/32       | 137                         | 75       | 10      |
| 057.202.20*  | 250           | 14/23       | 140                         | 85       | 10      |
| 057.202.21   | 250           | 19/26       | 140                         | 85       | 10      |
| 057.202.22   | 250           | 24/29       | 140                         | 85       | 10      |
| 057.202.23   | 250           | 29/32       | 140                         | 85       | 10      |
| 057.202.24*  | 250           | 34/35       | 140                         | 85       | 10      |
| 057.202.25*  | 500           | 19/26       | 163                         | 105      | 10      |
| 057.202.26   | 500           | 24/29       | 163                         | 105      | 10      |
| 057.202.27   | 500           | 29/32       | 163                         | 105      | 10      |
| 057.202.28*  | 500           | 34/35       | 163                         | 105      | 10      |
| 057.202.29*  | 1000          | 19/26       | 200                         | 131      | 10      |
| 057.202.30   | 1000          | 24/29       | 200                         | 131      | 10      |
| 057.202.31   | 1000          | 29/32       | 200                         | 131      | 10      |
| 057.202.32*  | 1000          | 34/35       | 200                         | 131      | 10      |
| 057.202.33   | 2000          | 24/29       | 240                         | 165      | 6       |
| 057.202.34   | 2000          | 29/32       | 240                         | 165      | 6       |
| 057.202.35*  | 2000          | 34/35       | 240                         | 165      | 6       |
| 057.202.36A* | 3000          | 24/29       | 260                         | 185      | 1       |
| 057.202.36*  | 3000          | 29/32       | 260                         | 185      | 1       |
| 057.202.37*  | 3000          | 45/40       | 260                         | 185      | 1       |
| 057.202.40A* | 5000          | 24/29       | 305                         | 223      | 1       |
| 057.202.40   | 5000          | 29/32       | 305                         | 223      | 1       |
| 057.202.40B  | 5000          | 34/35       | 305                         | 223      | 1       |
| 057.202.41   | 5000          | 45/40       | 305                         | 223      | 1       |
| 057.202.44*  | 10000         | 29/32       | 380                         | 279      | 1       |
| 057.202.45A* | 10000         | 34/35       | 380                         | 279      | 1       |
| 057.202.45   | 10000         | 45/40       | 380                         | 279      | 1       |
| 057.202.45B* | 10000         | 55/44       | 380                         | 279      | 1       |
| 057.202.47B* | 20000         | 55/44       | 435                         | 345      | 1       |

\* Non DIN

## Flask, Round Bottom, Single Neck with Joint

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- These Flasks come with Ground Joint manufactured as per ASTM E-1403 type 1 specifications
- The Flasks are printed in white colour enamel

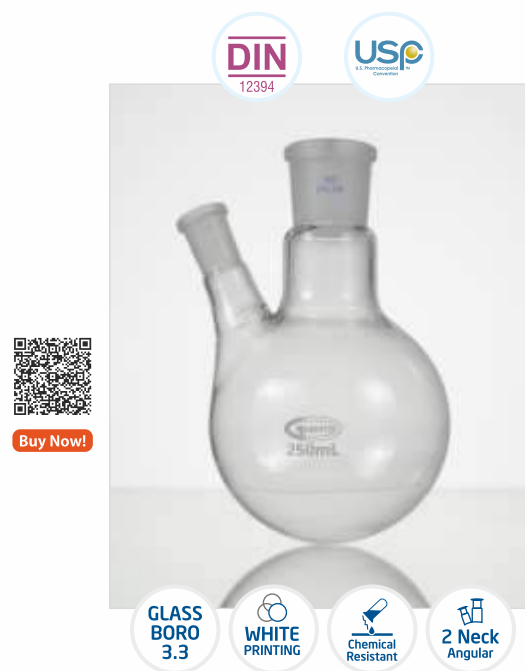
| Item Code   | Capacity (ml) | Socket Size | Approx. Overall Height (mm) | Dia (mm) | Pack of |
|-------------|---------------|-------------|-----------------------------|----------|---------|
| 057.202.57  | 50            | 24/40       | 100                         | 51       | 2       |
| 057.202.58  | 100           | 24/40       | 118                         | 64       | 2       |
| 057.202.58A | 200           | 24/40       | 128                         | 75       | 2       |
| 057.202.59  | 250           | 24/40       | 140                         | 85       | 2       |
| 057.202.59A | 300           | 24/40       | 148                         | 88       | 2       |
| 057.202.60  | 500           | 24/40       | 158                         | 105      | 2       |
| 057.202.61  | 1000          | 24/40       | 185                         | 130      | 1       |
| 057.202.62  | 2000          | 24/40       | 215                         | 165      | 1       |
| 057.470.55B | 25            | 24/40       | 90                          | 41       | 2       |
| 057.470.09  | 50            | 19/22       | 80                          | 51       | 2       |
| 057.470.11  | 100           | 14/20       | 100                         | 64       | 2       |
| 057.470.12  | 100           | 19/22       | 100                         | 64       | 2       |
| 057.470.20  | 250           | 14/20       | 120                         | 85       | 2       |
| 057.470.21  | 250           | 19/22       | 120                         | 85       | 2       |
| 057.470.25  | 500           | 19/22       | 140                         | 105      | 2       |
| 057.470.25A | 500           | 14/20       | 140                         | 105      | 2       |
| 057.470.53  | 10            | 14/20       | 59                          | 31       | 2       |
| 057.470.53A | 10            | 19/22       | 59                          | 31       | 2       |
| 057.470.55  | 25            | 14/20       | 75                          | 41       | 2       |
| 057.470.55A | 25            | 19/22       | 75                          | 41       | 2       |
| 057.470.52  | 5             | 14/20       | 46                          | 25       | 2       |



## Flask, Round Bottom, 2 Neck Angular

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with DIN 12394 & USP standard
- Available with two neck angular

| Item Code    | Capacity (ml) | Socket Size | Side Socket | Approx. Overall Height (mm) | Pack of |
|--------------|---------------|-------------|-------------|-----------------------------|---------|
| 059.202.01*  | 50            | 24/29       | 14/23       | 92                          | 1       |
| 059.202.02*  | 50            | 29/32       | 14/23       | 92                          | 1       |
| 059.202.03*  | 100           | 24/29       | 14/23       | 107                         | 1       |
| 059.202.04*  | 100           | 24/29       | 19/26       | 107                         | 1       |
| 059.202.05*  | 100           | 29/32       | 14/23       | 107                         | 1       |
| 059.202.06*  | 250           | 24/29       | 14/23       | 142                         | 1       |
| 059.202.07*  | 250           | 24/29       | 19/26       | 142                         | 1       |
| 059.202.08   | 250           | 29/32       | 14/23       | 142                         | 1       |
| 059.202.09*  | 500           | 24/29       | 14/23       | 165                         | 1       |
| 059.202.10*  | 500           | 24/29       | 19/26       | 165                         | 1       |
| 059.202.11   | 500           | 29/32       | 14/23       | 165                         | 1       |
| 059.202.12*  | 1000          | 24/29       | 14/23       | 203                         | 1       |
| 059.202.13*  | 1000          | 24/29       | 19/26       | 203                         | 1       |
| 059.202.14   | 1000          | 29/32       | 14/23       | 203                         | 1       |
| 059.202.15A* | 2000          | 24/29       | 19/26       | 243                         | 1       |
| 059.202.15*  | 2000          | 34/35       | 19/26       | 243                         | 1       |
| 059.202.20*  | 3000          | 34/35       | 19/26       | 260                         | 1       |
| 059.202.20A* | 3000          | 34/35       | 24/29       | 260                         | 1       |
| 059.202.24*  | 5000          | 34/35       | 19/26       | 305                         | 1       |
| 059.202.24A* | 5000          | 34/35       | 24/29       | 305                         | 1       |
| 059.202.28*  | 10000         | 34/35       | 24/29       | 380                         | 1       |
| 059.202.29*  | 10000         | 55/44       | 24/29       | 380                         | 1       |
| 059.202.30*  | 20000         | 55/44       | 24/29       | 435                         | 1       |



PS : These flasks can also be provided in other joint sizes.

\* Non DIN

# Flasks

## Flask, Round Bottom, 2 Necks Angular *New*

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Round bot tom flask with ASTM joint sizes
- Angular



Buy Now!



| Item Code   | Capacity (ml) | Socket Size | Side Socket | Pack of |
|-------------|---------------|-------------|-------------|---------|
| 059.470.00  | 50            | 14/20       | 14/20       | 1       |
| 059.470.00A | 25            | 14/20       | 14/20       | 1       |
| 059.470.03  | 100           | 14/20       | 14/20       | 1       |
| 059.470.05A | 100           | 24/40       | 24/40       | 1       |
| 059.470.08  | 250           | 24/40       | 24/40       | 1       |
| 059.470.10  | 500           | 24/40       | 24/40       | 1       |
| 059.470.15  | 1000          | 24/40       | 24/40       | 1       |

## Flask, Round Bottom, 2 Neck Parallel

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Complies with DIN 12394
- Has Two Neck Parallel



Buy Now!



| Item Code    | Capacity (ml) | Socket Size | Side Socket | Approx. Overall Height (mm) | Pack of |
|--------------|---------------|-------------|-------------|-----------------------------|---------|
| 059.212.00   | 50            | 24/29       | 14/23       | 90                          | 1       |
| 059.212.00A  | 50            | 29/32       | 14/23       | 90                          | 1       |
| 059.212.01*  | 100           | 24/29       | 14/23       | 105                         | 1       |
| 059.212.01A* | 100           | 24/29       | 19/26       | 105                         | 1       |
| 059.212.01B* | 100           | 29/32       | 14/23       | 105                         | 1       |
| 059.212.02*  | 250           | 24/29       | 14/23       | 140                         | 1       |
| 059.212.02A* | 250           | 24/29       | 19/26       | 140                         | 1       |
| 059.212.02B  | 250           | 29/32       | 14/23       | 140                         | 1       |
| 059.212.03*  | 500           | 24/29       | 14/23       | 163                         | 1       |
| 059.212.03A* | 500           | 24/29       | 19/26       | 163                         | 1       |
| 059.212.03B  | 500           | 29/32       | 14/23       | 163                         | 1       |
| 059.212.04*  | 1000          | 24/29       | 14/23       | 200                         | 1       |
| 059.212.04A* | 1000          | 24/29       | 19/26       | 200                         | 1       |
| 059.212.04B  | 1000          | 29/32       | 14/23       | 200                         | 1       |
| 059.212.05*  | 2000          | 24/29       | 19/26       | 240                         | 1       |
| 059.212.05A* | 2000          | 34/35       | 19/26       | 240                         | 1       |
| 059.212.06*  | 3000          | 34/35       | 19/26       | 260                         | 1       |
| 059.212.06A* | 3000          | 34/35       | 24/29       | 260                         | 1       |
| 059.212.07*  | 5000          | 34/35       | 19/26       | 305                         | 1       |
| 059.212.07A* | 5000          | 34/35       | 24/29       | 305                         | 1       |
| 059.212.08*  | 10000         | 34/35       | 24/29       | 380                         | 1       |
| 059.212.08A* | 10000         | 55/44       | 24/29       | 380                         | 1       |
| 059.212.09*  | 20000         | 55/44       | 24/29       | 435                         | 1       |

\* Non DIN

## Flask, Round Bottom, 3 Necks Angular

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Available with three neck angular
- Complies with DIN 12394

| Item Code    | Capacity (ml) | Centre Size | Side Socket | Approx. Overall Height (mm) | Pack of |
|--------------|---------------|-------------|-------------|-----------------------------|---------|
| 060.202.01*  | 100           | 19/26       | 14/23       | 105                         | 1       |
| 060.202.02*  | 100           | 24/29       | 14/23       | 105                         | 1       |
| 060.202.03*  | 100           | 24/29       | 19/26       | 105                         | 1       |
| 060.202.02A* | 100           | 14/23       | 14/23       | 105                         | 1       |
| 060.202.03A* | 100           | 29/32       | 14/23       | 105                         | 1       |
| 060.202.04*  | 250           | 19/26       | 19/26       | 140                         | 1       |
| 060.202.04A* | 250           | 19/26       | 14/23       | 140                         | 1       |
| 060.202.05*  | 250           | 24/29       | 14/23       | 140                         | 1       |
| 060.202.06*  | 250           | 24/29       | 19/26       | 140                         | 1       |
| 060.202.07   | 250           | 29/32       | 14/23       | 140                         | 1       |
| 060.202.08   | 250           | 29/32       | 19/26       | 140                         | 1       |
| 060.202.08A* | 250           | 29/32       | 29/32       | 140                         | 1       |
| 060.202.09*  | 500           | 24/29       | 14/23       | 163                         | 1       |
| 060.202.10*  | 500           | 24/29       | 19/26       | 163                         | 1       |
| 060.202.11   | 500           | 29/32       | 14/23       | 163                         | 1       |
| 060.202.12   | 500           | 29/32       | 19/26       | 163                         | 1       |
| 060.202.12A* | 500           | 29/32       | 29/32       | 163                         | 1       |
| 060.202.13*  | 1000          | 24/29       | 14/23       | 200                         | 1       |
| 060.202.14*  | 1000          | 24/29       | 19/26       | 200                         | 1       |
| 060.202.15   | 1000          | 29/32       | 14/23       | 200                         | 1       |
| 060.202.16   | 1000          | 29/32       | 19/26       | 200                         | 1       |
| 060.202.17*  | 1000          | 29/32       | 29/32       | 200                         | 1       |
| 060.202.18*  | 2000          | 24/29       | 19/26       | 240                         | 1       |
| 060.202.19*  | 2000          | 29/32       | 24/29       | 240                         | 1       |
| 060.202.20*  | 2000          | 29/32       | 29/32       | 240                         | 1       |
| 060.202.26*  | 3000          | 34/35       | 19/26       | 260                         | 1       |
| 060.202.26A* | 3000          | 34/35       | 24/29       | 260                         | 1       |
| 060.202.29B* | 5000          | 34/35       | 19/26       | 305                         | 1       |
| 060.202.29*  | 5000          | 34/35       | 24/29       | 305                         | 1       |
| 060.202.32*  | 10000         | 34/35       | 24/29       | 380                         | 1       |
| 060.202.33*  | 10000         | 45/40       | 24/29       | 380                         | 1       |
| 060.202.34*  | 20000         | 55/44       | 24/29       | 435                         | 1       |

\* Non DIN



## ASTM Sizes

| Item Code   | Capacity (ml) | Socket Size | Side Socket | Pack of |
|-------------|---------------|-------------|-------------|---------|
| 060.470.00  | 25            | 14/20       | 14/20       | 1       |
| 060.470.00A | 50            | 14/20       | 14/20       | 1       |
| 060.470.01  | 100           | 14/20       | 14/20       | 1       |
| 060.470.01A | 100           | 19/22       | 19/22       | 1       |
| 060.470.03  | 100           | 24/40       | 19/22       | 1       |
| 060.470.03A | 100           | 24/40       | 24/40       | 1       |
| 060.470.04  | 250           | 14/20       | 14/20       | 1       |
| 060.470.04A | 250           | 19/22       | 19/22       | 1       |
| 060.470.08A | 250           | 24/40       | 24/40       | 1       |
| 060.470.09  | 500           | 24/40       | 24/40       | 1       |
| 060.470.10  | 500           | 19/22       | 19/22       | 1       |
| 060.470.19  | 1000          | 24/40       | 24/40       | 1       |



## Flask, Round Bottom, 3 Neck Parallel

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Available Three Neck Parallel



Buy Now!

| Item Code    | Capacity (ml) | Centre Size | Side Socket | Approx. Overall Height (mm) | Pack of |
|--------------|---------------|-------------|-------------|-----------------------------|---------|
| 061.202.00A* | 100           | 19/26       | 14/23       | 105                         | 1       |
| 061.202.00*  | 100           | 14/23       | 14/23       | 105                         | 1       |
| 061.202.00B* | 100           | 24/29       | 14/23       | 105                         | 1       |
| 061.202.00C* | 100           | 24/29       | 19/26       | 105                         | 1       |
| 061.202.01*  | 250           | 24/29       | 19/26       | 140                         | 1       |
| 061.202.01A* | 250           | 19/26       | 19/26       | 140                         | 1       |
| 061.202.02   | 250           | 29/32       | 14/23       | 140                         | 1       |
| 061.202.02A* | 250           | 29/32       | 29/32       | 140                         | 1       |
| 061.202.03*  | 500           | 24/29       | 19/26       | 163                         | 1       |
| 061.202.03A* | 500           | 19/26       | 19/26       | 163                         | 1       |
| 061.202.04   | 500           | 29/32       | 14/23       | 163                         | 1       |
| 061.202.05   | 500           | 29/32       | 19/26       | 163                         | 1       |
| 061.202.05A* | 500           | 29/32       | 29/32       | 163                         | 1       |
| 061.202.06*  | 1000          | 24/29       | 19/26       | 200                         | 1       |
| 061.202.07   | 1000          | 29/32       | 14/23       | 200                         | 1       |
| 061.202.08   | 1000          | 29/32       | 19/26       | 200                         | 1       |
| 061.202.09*  | 1000          | 29/32       | 24/29       | 200                         | 1       |
| 061.202.10*  | 1000          | 29/32       | 29/32       | 200                         | 1       |
| 061.202.11*  | 2000          | 24/29       | 19/26       | 240                         | 1       |
| 061.202.12   | 2000          | 29/32       | 19/26       | 240                         | 1       |
| 061.202.13*  | 2000          | 29/32       | 29/32       | 240                         | 1       |
| 061.202.14*  | 2000          | 34/35       | 19/26       | 240                         | 1       |
| 061.202.15*  | 2000          | 34/35       | 24/29       | 240                         | 1       |
| 061.202.17*  | 3000          | 34/35       | 19/26       | 260                         | 1       |
| 061.202.18*  | 3000          | 34/35       | 24/29       | 260                         | 1       |
| 061.202.19A* | 5000          | 34/35       | 19/26       | 305                         | 1       |
| 061.202.19*  | 5000          | 34/35       | 24/29       | 305                         | 1       |
| 061.202.26*  | 10000         | 34/35       | 24/29       | 380                         | 1       |
| 061.202.26A* | 10000         | 45/40       | 24/29       | 380                         | 1       |
| 061.202.27*  | 20000         | 55/44       | 24/29       | 435                         | 1       |

\* Non DIN

PS : All 2 Neck and 3 Neck Flasks can be provided in ASTM joint sizes on request

## ASTM Sizes

| Item Code   | Capacity (ml) | Socket Size | Side Socket | Pack of |
|-------------|---------------|-------------|-------------|---------|
| 061.470.00  | 100           | 14/20       | 14/20       | 1       |
| 061.470.00A | 100           | 24/40       | 24/40       | 1       |
| 061.402.06  | 250           | 24/40       | 24/40       | 1       |
| 061.402.09  | 500           | 24/40       | 24/40       | 1       |
| 061.470.05A | 500           | 29/42       | 29/42       | 1       |
| 061.402.12  | 1000          | 24/40       | 24/40       | 1       |
| 061.470.10  | 1000          | 29/42       | 29/42       | 1       |
| 061.402.15  | 2000          | 24/40       | 24/40       | 1       |



Buy Now!

These flasks can also be provided in other joint sizes

## Flask, Round Bottom, Four Necks Angular

- Complies with DIN 12392
- Centre Neck & Three Angled Side Necks
- With Interchangeable Joints
- Made From Heat Resistant, Low Expansion Borosilicate 3.3 Glass.

| Item Code    | Capacity (ml) | Interchangeable |           | Pack of |
|--------------|---------------|-----------------|-----------|---------|
|              |               | Centre Neck     | Side Neck |         |
| 060.240.00*  | 50            | 24 / 29         | 24 / 29   | 1       |
| 060.240.01*  | 100           | 19 / 26         | 14 / 23   | 1       |
| 060.240.02*  | 100           | 24 / 29         | 14 / 23   | 1       |
| 060.240.02A* | 100           | 14 / 23         | 14 / 23   | 1       |
| 060.240.03*  | 100           | 24 / 29         | 19 / 26   | 1       |
| 060.240.03A* | 100           | 29 / 32         | 14 / 23   | 1       |
| 060.240.04*  | 250           | 19 / 26         | 19 / 26   | 1       |
| 060.240.04A* | 250           | 19 / 26         | 14 / 23   | 1       |
| 060.240.05*  | 250           | 24 / 29         | 14 / 23   | 1       |
| 060.240.06*  | 250           | 24 / 29         | 19 / 26   | 1       |
| 060.240.07*  | 250           | 29 / 32         | 14 / 23   | 1       |
| 060.240.08*  | 250           | 29 / 32         | 19 / 26   | 1       |
| 060.240.08A* | 250           | 29 / 32         | 29 / 32   | 1       |
| 060.240.09*  | 500           | 24 / 29         | 14 / 23   | 1       |
| 060.240.10*  | 500           | 24 / 29         | 19 / 26   | 1       |
| 060.240.10A* | 500           | 24 / 29         | 24 / 29   | 1       |
| 060.240.11*  | 500           | 29 / 32         | 14 / 23   | 1       |
| 060.240.12   | 500           | 29 / 32         | 19 / 26   | 1       |
| 060.240.12A  | 500           | 29 / 32         | 29 / 32   | 1       |
| 060.240.12B* | 500           | 34 / 35         | 24 / 29   | 1       |
| 060.240.13*  | 1000          | 24 / 29         | 14 / 23   | 1       |
| 060.240.14*  | 1000          | 24 / 29         | 19 / 26   | 1       |
| 060.240.14A* | 1000          | 24 / 29         | 24 / 29   | 1       |
| 060.240.15*  | 1000          | 29 / 32         | 14 / 23   | 1       |
| 060.240.16*  | 1000          | 29 / 32         | 19 / 26   | 1       |
| 060.240.17   | 1000          | 29 / 32         | 29 / 32   | 1       |
| 060.240.17A* | 1000          | 34 / 35         | 24 / 29   | 1       |
| 060.240.18*  | 2000          | 24 / 29         | 19 / 26   | 1       |
| 060.240.18A* | 2000          | 24 / 29         | 14 / 23   | 1       |
| 060.240.19*  | 2000          | 29 / 32         | 24 / 29   | 1       |
| 060.240.20   | 2000          | 29 / 32         | 29 / 32   | 1       |
| 060.240.20A* | 2000          | 34 / 35         | 19 / 26   | 1       |
| 060.240.20B* | 2000          | 34 / 35         | 24 / 29   | 1       |
| 060.240.26*  | 3000          | 34 / 35         | 19 / 26   | 1       |
| 060.240.26A* | 3000          | 34 / 35         | 24 / 29   | 1       |
| 060.240.29*  | 5000          | 34 / 35         | 24 / 29   | 1       |
| 060.240.29B* | 5000          | 34 / 35         | 19 / 26   | 1       |
| 060.240.32*  | 10000         | 34 / 35         | 24 / 29   | 1       |
| 060.240.33*  | 10000         | 45 / 40         | 24 / 29   | 1       |
| 060.240.33A* | 10000         | 55 / 44         | 24 / 29   | 1       |
| 060.240.34*  | 20000         | 55 / 44         | 24 / 29   | 1       |



Buy Now!



PS : All 4 Neck Flasks can be provided in ASTM joint sizes on request.

These flasks can also be provided in other joint sizes

\* Non DIN

## Flask, Round Bottom, Four Necks Parallel

- Complies with DIN 12392
- Centre Neck and Three Parallel Side Neck
- With Interchangeable Joints
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass



Buy Now!

| Item Code     | Capacity (ml) | Interchangeable |           | Pack of |
|---------------|---------------|-----------------|-----------|---------|
|               |               | Centre Neck     | Side Neck |         |
| 061.240.00*   | 50            | 24 / 29         | 24 / 29   | 1       |
| 061.240.00B*  | 100           | 24 / 29         | 14 / 23   | 1       |
| 061.240.00BA* | 100           | 24 / 29         | 19 / 26   | 1       |
| 061.240.01*   | 250           | 24 / 29         | 19 / 26   | 1       |
| 061.240.01A*  | 250           | 19 / 26         | 19 / 26   | 1       |
| 061.240.01B*  | 250           | 24 / 29         | 14 / 23   | 1       |
| 061.240.02*   | 250           | 29 / 32         | 14 / 23   | 1       |
| 061.240.02A*  | 250           | 29 / 32         | 29 / 32   | 1       |
| 061.240.03*   | 500           | 24 / 29         | 19 / 26   | 1       |
| 061.240.03A*  | 500           | 19 / 26         | 19 / 26   | 1       |
| 061.240.03B*  | 500           | 24 / 29         | 24 / 29   | 1       |
| 061.240.03C*  | 500           | 24 / 29         | 14 / 23   | 1       |
| 061.240.04*   | 500           | 29 / 32         | 14 / 23   | 1       |
| 061.240.05    | 500           | 29 / 32         | 19 / 26   | 1       |
| 061.240.05A   | 500           | 29 / 32         | 29 / 32   | 1       |
| 061.240.05B*  | 500           | 34 / 35         | 24 / 29   | 1       |
| 061.240.06*   | 1000          | 24 / 29         | 19 / 26   | 1       |
| 061.240.06A*  | 1000          | 24 / 29         | 14 / 23   | 1       |
| 061.240.06B*  | 1000          | 24 / 29         | 24 / 29   | 1       |
| 061.240.07*   | 1000          | 29 / 32         | 14 / 23   | 1       |
| 061.240.08*   | 1000          | 29 / 32         | 19 / 26   | 1       |
| 061.240.09*   | 1000          | 29 / 32         | 24 / 29   | 1       |
| 061.240.10    | 1000          | 29 / 32         | 29 / 32   | 1       |
| 061.240.10A*  | 1000          | 34 / 35         | 24 / 29   | 1       |
| 061.240.10B   | 1000          | 45 / 40         | 29 / 32   | 1       |
| 061.240.11*   | 2000          | 24 / 29         | 19 / 26   | 1       |
| 061.240.11A*  | 2000          | 24 / 29         | 14 / 23   | 1       |
| 061.240.12*   | 2000          | 29 / 32         | 19 / 26   | 1       |
| 061.240.13    | 2000          | 29 / 32         | 29 / 32   | 1       |
| 061.240.14*   | 2000          | 34 / 35         | 19 / 26   | 1       |
| 061.240.15*   | 2000          | 34 / 35         | 24 / 29   | 1       |
| 061.240.15B   | 2000          | 45 / 40         | 29 / 32   | 1       |
| 061.240.16B*  | 3000          | 29 / 32         | 29 / 32   | 1       |
| 061.240.17*   | 3000          | 34 / 35         | 19 / 26   | 1       |
| 061.240.18*   | 3000          | 34 / 35         | 24 / 29   | 1       |
| 061.240.18B*  | 3000          | 45 / 40         | 29 / 32   | 1       |
| 061.240.19A*  | 5000          | 34 / 35         | 19 / 26   | 1       |
| 061.240.19*   | 5000          | 34 / 35         | 24 / 29   | 1       |
| 061.240.26*   | 10000         | 34 / 35         | 24 / 29   | 1       |
| 061.240.26A*  | 10000         | 45 / 40         | 24 / 29   | 1       |
| 061.240.26B*  | 10000         | 55 / 44         | 24 / 29   | 1       |
| 061.240.27*   | 20000         | 55 / 44         | 24 / 29   | 1       |

PS : All 4 Neck Flasks can be provided in ASTM joint sizes on request.

\* Non DIN



## Flask, (Vessels) Reaction

- Wide Mouth
- With Flat Flange, 100 mm ID, 150 mm OD
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass

| Item Code  | Capacity (ml) | Approx. Height (mm) | Pack of |
|------------|---------------|---------------------|---------|
| 078.202.01 | 1000          | 170                 | 1       |
| 078.202.02 | 2000          | 205                 | 1       |
| 078.202.04 | 5000          | 260                 | 1       |
| 078.202.05 | 10000         | 335                 | 1       |
| 078.202.06 | 20000         | 400                 | 1       |



Buy Now!



## Lids, For Flasks Reaction

- Flat Flange and Interchangeable Joint
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass

| Item Code  | Centre  | Interchangeable Joint Size |         |          |          | Pack of |
|------------|---------|----------------------------|---------|----------|----------|---------|
|            |         | Parellel                   | Side 5° | Side 10° | Side 15° |         |
| 079.202.01 | 19 / 26 | 19 / 26                    | 24 / 29 | 19 / 26  | -        | 1       |
| 079.202.02 | 19 / 26 | 14 / 23                    | 14 / 23 | 14 / 23  | 29 / 32  | 1       |
| 079.202.03 | 29 / 32 | 14 / 23                    | 14 / 23 | 14 / 23  | 29 / 32  | 1       |

| Item Code  | Capacity (ml) | Dia (mm) | Height (mm) | Pack of |
|------------|---------------|----------|-------------|---------|
| 079.212.03 | 500           | 95       | 178         | 1       |
| 079.212.04 | 1000          | 108      | 178         | 1       |
| 079.212.05 | 2000          | 140      | 200         | 1       |
| 079.212.06 | 4000          | 140      | 345         | 1       |



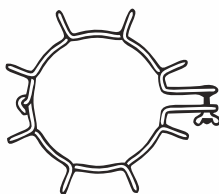
Buy Now!



## Flask, Stainless steel clips for reaction Flask

- With wing nuts holding 100mm flat flangs.

| Item Code  | Dia (mm) |
|------------|----------|
| 080.202.01 | 100      |



Buy Now!

\*The 500ml & 1000ml kettle have interchangeable joints comes with four opening to accommodate 24/29 interchangeable joints. Kettles 2000ml & 4000ml capacity have interchangeable comes with opening to accommodate three 24/29 interchangeable joints and one 34/35 interchangeable joints.





## Flask, Pear shape

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Used for Semi Micro Distillation Manufactured
- Complies with DIN 12383



Buy Now!

| Item Code   | Capacity (ml) | Socket Size | Approx. Dia (mm) | Approx. Overall Height (mm) | Pack of |
|-------------|---------------|-------------|------------------|-----------------------------|---------|
| 062.202.06* | 25            | 14/23       | 42               | 90                          | 10      |
| 062.202.07  | 50            | 14/23       | 51               | 100                         | 10      |
| 062.202.09  | 100           | 14/23       | 64               | 130                         | 10      |

\* Non DIN



## Flask, Pear shape with Two Neck

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Side neck at an angle of 25°



Buy Now!

| Item Code  | Capacity (ml) | Centre Size | Side Socket | Approx. Overall Height (mm) | Pack of |
|------------|---------------|-------------|-------------|-----------------------------|---------|
| 063.202.01 | 50            | 14/23       | 14/23       | 100                         | 1       |
| 063.202.02 | 100           | 14/23       | 14/23       | 130                         | 1       |

## Flask Pear Shape Single Neck

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Compliance with ASTM E-1403 Standard

| Item Code   | Capacity (ml) | Socket Size | Pack of |
|-------------|---------------|-------------|---------|
| 062.470.06  | 25            | 14/20       | 1       |
| 062.470.07  | 50            | 14/20       | 1       |
| 062.470.07A | 50            | 24/40       | 1       |
| 062.470.09  | 100           | 14/20       | 1       |
| 062.470.11  | 100           | 24/40       | 1       |
| 062.470.12  | 200           | 14/20       | 1       |



Buy Now!



## Flask Pear Shape Centrifuge Tube *New*

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Compliance with ASTM E-1403 Standard

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 150.088.03 | 100           | 1       |



Buy Now!



# Flasks

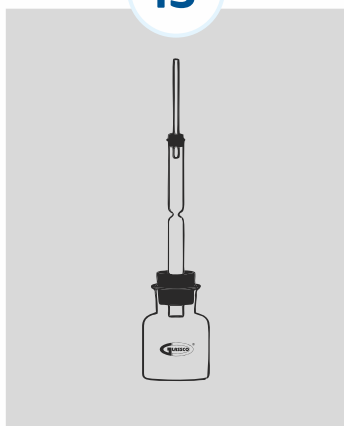


Buy Now!

## Arsenic Determination Apparatus as per USP *New*

| Item Code  | Pack of |
|------------|---------|
| 345.202.01 | 1       |

IS



Buy Now!

## Arsenic Determination Apparatus as per IS *New*

| Item Code  | Pack of |
|------------|---------|
| 345.207.01 | 1       |

## Tilt Measure *New*

- Ideal for dispensing fixed volume of liquid
- Easy to use
- Tilt the unit backward to fill
- Tilt the unit forward to dispense
- Manufactured from chemically resistance 3.3 borosilicate tubing



Buy Now!

| Item Code   | Capacity (ml) | Flask Capacity (ml) | N/S   | Pack of |
|-------------|---------------|---------------------|-------|---------|
| 071.252.13  | 5             | 100                 | 24/29 | 5       |
| 071.252.19A | 10            | 250                 | 24/29 | 5       |
| 071.252.19B | 20            | 250                 | 24/29 | 10      |
| 071.252.19C | 25            | 250                 | 24/29 | 10      |
| 071.252.19D | 50            | 250                 | 24/29 | 10      |

\*Also Available in 29/32 Joint size

GLASS BORO 3.3



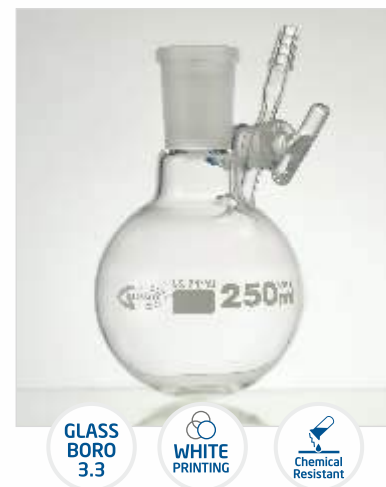
## Flask Reaction, With Glass Stopcock *New*

With 2mm glass stopcock

| Item Code  | Capacity (ml) | Socket Size | Pack of |
|------------|---------------|-------------|---------|
| 059.468.01 | 50            | 14/20       | 1       |
| 059.468.07 | 250           | 24/40       | 1       |



Buy Now!



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

## Flask, Kjeldahl

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Used for the Determination of Nitrogen

| Item Code   | Capacity (ml) | Socket Size | Approx. Overall Height (mm) | Pack of |
|-------------|---------------|-------------|-----------------------------|---------|
| 070.202.01  | 50            | 19/26       | 200                         | 2       |
| 070.202.02  | 100           | 19/26       | 200                         | 2       |
| 070.202.03  | 100           | 24/29       | 200                         | 2       |
| 070.202.04* | 300           | 24/29       | 295                         | 2       |
| 070.202.05  | 500           | 24/29       | 300                         | 2       |
| 070.202.06* | 800           | 24/29       | 340                         | 2       |

\* Non DIN



Buy Now!



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

## Flask, Kjeldahl

- Complies with DIN 12360
- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Suitable for determination of Nitrogen

| Item Code   | Capacity (ml) | D. (mm) | H. (mm) | Pack of |
|-------------|---------------|---------|---------|---------|
| 077.202.01  | 100           | 60      | 200     | 2       |
| 077.202.02* | 300           | 85      | 295     | 2       |
| 077.202.03  | 500           | 101     | 300     | 2       |
| 077.202.04* | 800           | 117     | 340     | 2       |

\* Non DIN



Buy Now!



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

## Flask, Brush

- Made of Nylon Bristles



Buy Now!

| Item Code  | Type        | Material | Pack of |
|------------|-------------|----------|---------|
| 593.303.04 | Flask Brush | Nylon    | 50      |

## Flask, Tong, Euro Design

- Available in Silicon Sleeve and fibre Glass yarn to resist direct flame
- Hold Flask upto 2 Litres (60 mm OD).
- Made of Stainless Steel



Buy Now!

| Item Code  | Length (mm) | Type        | Max. Temp | Pack of |
|------------|-------------|-------------|-----------|---------|
| 396.303.05 | 250         | Glass Fibre | 500°C     | 4       |
| 396.303.06 | 300         | Glass Fibre | 500°C     | 4       |
| 396.303.07 | 250         | Silicon     | 280°C     | 4       |
| 396.303.08 | 300         | Silicon     | 280°C     | 4       |

Si  
240°C

Glass  
Yarn

SS

EU

## Flask, Stand

- Gives stair like top view
- Every step provides excellent support to the round bottom flask
- Can hold round bottom Flasks up to 10 Ltr. capacity
- Autoclavable

| Item Code  | Item        | Material      | Pack of |
|------------|-------------|---------------|---------|
| 115.303.01 | Flask Stand | Polypropylene | 6       |
| 417.303.01 | Flask Stand | Silicone      | 2       |



Buy Now!



Buy Now!



## Flask, Hand Grip

- Made of silicon
- Available with stand slip free mechanism
- Can withstand temp. upto 280°C

| Item Code  | Pack of |
|------------|---------|
| 418.303.01 | 1       |



Buy Now!





**1<sup>st</sup> in Asia**  
Comes with Blue Meniscus

**HIGHER**

- Visibility
- Accuracy
- Confidence

**1<sup>st</sup> in the World**  
QR-Coded Volumetric Flask

Scan —

Certificate —

Calibration —

**INSTANT**

**1<sup>st</sup> Glassware Product**  
Integrated with **CaliberLIMS**

**CHECK**

- Authenticity
- Usage
- Alerts



In Collaboration with  
**CaliberLIMS**

# QR-LabGlass™

PATENT PENDING

**QR-LabGlass™** Smart Flask is the only Volumetric flask that makes the whole work of calibration certificate storing process sound simple. With its uniquely etched QR code, the **QR-LabGlass™** Smart Flask is the world's first traceable glassware. Its premium quality material with lifetime embossed identity helps in attaining compliance when in collaboration with a robust quality system like **LIMS**

**LIMS** is a dynamic quality system that ensures digitalization and automation of complete laboratory. **LIMS** Glassware Module makes life easy for the QC. With **LIMS** Glassware Module, QC can easily find details about

- Glassware type
- Glassware registration
- Glassware lot
- Glassware lot acceptance
- Glassware issuance
- Glassware usage
- Breakage

**QR-LabGlass™** Smart Flask in collaboration with **LIMS** Glassware Module helps you Present required certificates easily during compliance audits

- Retrieve individual **QR-LabGlass™** Smart Flask certificates any time during analysis
- Check and trace the frequency of usage of any **QR-LabGlass™** Smart Flask
- Control the usage of specific and appropriate glassware with system alerts and pop-ups
- Have all inventory reports at your finger tips
- Take action immediately with alerts on breakage, overuse, and low stock of glassware
- Get discard alerts for overuse of a specific **QR-LabGlass™** Smart Flask
- Maintain audit trail with complete and clear records Simple!

Automation and digitalization is the new normal in the Pharma industry. In the current pandemic situation, digitalization of laboratories is an essential task. With a scannable glassware like **QR-LabGlass™** Smart Flask and a dynamic quality system like **LIMS**, digitalization of laboratories is made simple.

Think Digital - Think **LIMS** in Collaboration with **QR-LabGlass™** Smart Flask



# Volumetric Flasks

We have now introduced **QR Coded** Volumetric Flasks with individual work certificate, Batch Certificate can be offered on request. You Don't need to bother about going Online & Getting your lost Certificate. Just scan the QR Code & Download all the Certificates. All Flasks come with BLUE Marking Ring on Clear Flask & WHITE Marking Ring on AMBER Flask for better Visibility of Meniscus



Buy Now!

## Volumetric Flask, Class A

- Compliance with DIN/ISO 1042 Standards
- With Individual Work Certificate and Serial Number
- Qr Coded Flask
- With PE Stopper

| Item Code      | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|----------------|---------------|-------|-----------------|---------|
| QR.130.223.01  | 5             | 10/19 | 0.040           | 1       |
| QR.130.223.02  | 10            | 10/19 | 0.040           | 1       |
| QR.130.223.02A | 20            | 10/19 | 0.040           | 1       |
| QR.130.223.03  | 25            | 10/19 | 0.040           | 1       |
| QR.130.223.04  | 50            | 12/21 | 0.060           | 1       |
| QR.130.223.04B | 50            | 14/23 | 0.100           | 1       |
| QR.130.223.05B | 100           | 12/21 | 0.100           | 1       |
| QR.130.223.05  | 100           | 14/23 | 0.100           | 1       |
| QR.130.223.06  | 200           | 14/23 | 0.150           | 1       |
| QR.130.223.07  | 250           | 14/23 | 0.150           | 1       |
| QR.130.223.08  | 500           | 19/26 | 0.250           | 1       |
| QR.130.223.09  | 1000          | 24/29 | 0.400           | 1       |
| QR.130.223.10  | 2000          | 29/32 | 0.600           | 1       |
| QR.130.223.11  | 5000          | 34/35 | 1.200           | 1       |



Buy Now!

## Volumetric Flasks, Class A

- Compliance with DIN ISO 1042 Standards
- With Batch certificate
- With PE Stopper

| Item Code   | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|-------------|---------------|-------|-----------------|---------|
| 130.202.01  | 5             | 10/19 | 0.040           | 2       |
| 130.202.02  | 10            | 10/19 | 0.040           | 2       |
| 130.202.02A | 20            | 10/19 | 0.040           | 2       |
| 130.202.03  | 25            | 10/19 | 0.040           | 2       |
| 130.202.04  | 50            | 12/21 | 0.060           | 2       |
| 130.202.04B | 50            | 14/23 | 0.100           | 2       |
| 130.202.05B | 100           | 12/21 | 0.100           | 2       |
| 130.202.05  | 100           | 14/23 | 0.100           | 2       |
| 130.202.06  | 200           | 14/23 | 0.150           | 2       |
| 130.202.07  | 250           | 14/23 | 0.150           | 2       |
| 130.202.08  | 500           | 19/26 | 0.250           | 2       |
| 130.202.09  | 1000          | 24/29 | 0.400           | 2       |
| 130.202.10  | 2000          | 29/32 | 0.600           | 1       |
| 130.202.11  | 5000          | 34/35 | 1.200           | 1       |

## Volumetric Flask Class A

- Compliance with ISO 1042 Standards
- With Individual Work Certificate and Serial Number
- Qr Coded Flask
- With Glass Hollow Stopper

| Item Code     | Capacity (ml) | N/S   | Tolerance ( $\pm$ ml) | Pack of |
|---------------|---------------|-------|-----------------------|---------|
| QR.130.236.01 | 5             | 10/19 | 0.040                 | 1       |
| QR.130.236.02 | 10            | 10/19 | 0.040                 | 1       |
| QR.130.236.03 | 20            | 10/19 | 0.040                 | 1       |
| QR.130.236.04 | 25            | 10/19 | 0.040                 | 1       |
| QR.130.236.05 | 50            | 12/21 | 0.060                 | 1       |
| QR.130.236.06 | 50            | 14/23 | 0.100                 | 1       |
| QR.130.236.07 | 100           | 12/21 | 0.100                 | 1       |
| QR.130.236.08 | 100           | 14/23 | 0.100                 | 1       |
| QR.130.236.09 | 200           | 14/23 | 0.150                 | 1       |
| QR.130.236.10 | 250           | 14/23 | 0.150                 | 1       |
| QR.130.236.11 | 500           | 19/26 | 0.250                 | 1       |
| QR.130.236.12 | 1000          | 24/29 | 0.400                 | 1       |
| QR.130.236.13 | 2000          | 29/32 | 0.600                 | 1       |
| QR.130.236.14 | 5000          | 34/35 | 1.200                 | 1       |



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## Volumetric Flasks, Class A

- Compliance with ISO 1042 Standards
- With Batch certificate
- With Glass Hollow Stopper

| Item Code  | Capacity (ml) | N/S   | Tolerance ( $\pm$ ml) | Pack of |
|------------|---------------|-------|-----------------------|---------|
| 130.234.01 | 5             | 10/19 | 0.040                 | 2       |
| 130.234.02 | 10            | 10/19 | 0.040                 | 2       |
| 130.234.03 | 20            | 10/19 | 0.040                 | 2       |
| 130.234.04 | 25            | 10/19 | 0.040                 | 2       |
| 130.234.05 | 50            | 12/21 | 0.060                 | 2       |
| 130.234.06 | 50            | 14/23 | 0.100                 | 2       |
| 130.234.07 | 100           | 12/21 | 0.100                 | 2       |
| 130.234.08 | 100           | 14/23 | 0.100                 | 2       |
| 130.234.09 | 200           | 14/23 | 0.150                 | 2       |
| 130.234.10 | 250           | 14/23 | 0.150                 | 2       |
| 130.234.11 | 500           | 19/26 | 0.250                 | 2       |
| 130.234.12 | 1000          | 24/29 | 0.400                 | 2       |
| 130.234.13 | 2000          | 29/32 | 0.600                 | 1       |
| 130.234.14 | 5000          | 34/35 | 1.200                 | 1       |



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# Volumetric Flasks



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## Volumetric Flask, Amber, Class-A

- Compliance with ISO 1042 Standards
- With Individual Work Certificate and Serial Number
- Qr Coded Flask
- With PE Stopper

| Item Code       | Capacity (ml) | N/S   | Tolerance ( $\pm$ ml) | Pack of |
|-----------------|---------------|-------|-----------------------|---------|
| QR.130.223.01A  | 5             | 10/19 | 0.040                 | 1       |
| QR.130.223.02AB | 10            | 10/19 | 0.040                 | 1       |
| QR.130.223.03A  | 20            | 10/19 | 0.040                 | 1       |
| QR.130.223.04A  | 25            | 10/19 | 0.040                 | 1       |
| QR.130.223.05A  | 50            | 12/21 | 0.060                 | 1       |
| QR.130.223.05AB | 50            | 14/23 | 0.100                 | 1       |
| QR.130.223.06AB | 100           | 12/21 | 0.100                 | 1       |
| QR.130.223.06A  | 100           | 14/23 | 0.100                 | 1       |
| QR.130.223.07A  | 200           | 14/23 | 0.150                 | 1       |
| QR.130.223.08A  | 250           | 14/23 | 0.150                 | 1       |
| QR.130.223.09A  | 500           | 19/26 | 0.250                 | 1       |
| QR.130.223.10A  | 1000          | 24/29 | 0.400                 | 1       |
| QR.130.223.11A  | 2000          | 29/32 | 0.600                 | 1       |



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## Volumetric Flasks, Amber, Class-A

- Compliance with ISO 1042 Standards
- With Batch Certificate
- With PE Stopper

| Item Code    | Capacity (ml) | N/S   | Tolerance ( $\pm$ ml) | Pack of |
|--------------|---------------|-------|-----------------------|---------|
| 130.202.01A  | 5             | 10/19 | 0.040                 | 2       |
| 130.202.02AB | 10            | 10/19 | 0.040                 | 2       |
| 130.202.03A  | 20            | 10/19 | 0.040                 | 2       |
| 130.202.04A  | 25            | 10/19 | 0.040                 | 2       |
| 130.202.05A  | 50            | 12/21 | 0.060                 | 2       |
| 130.202.05AB | 50            | 14/23 | 0.100                 | 2       |
| 130.202.06AB | 100           | 12/21 | 0.100                 | 2       |
| 130.202.06A  | 100           | 14/23 | 0.100                 | 2       |
| 130.202.07A  | 200           | 14/23 | 0.150                 | 2       |
| 130.202.08A  | 250           | 14/23 | 0.150                 | 2       |
| 130.202.09A  | 500           | 19/26 | 0.250                 | 2       |
| 130.202.10A  | 1000          | 24/29 | 0.400                 | 2       |
| 130.202.11A  | 2000          | 29/32 | 0.600                 | 1       |

## Volumetric Flask, Amber, Class-A

- Compliance with ISO 1042 Standards
- With Individual Work Certificate and Serial Number
- Qr Coded Flask
- With Hollow glass Stopper

| Item Code      | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|----------------|---------------|-------|-----------------|---------|
| QR.130.236.01A | 5             | 10/19 | 0.040           | 1       |
| QR.130.236.02A | 10            | 10/19 | 0.040           | 1       |
| QR.130.236.03A | 20            | 10/19 | 0.040           | 1       |
| QR.130.236.04A | 25            | 10/19 | 0.040           | 1       |
| QR.130.236.05A | 50            | 12/21 | 0.060           | 1       |
| QR.130.236.06A | 50            | 14/23 | 0.100           | 1       |
| QR.130.236.07A | 100           | 12/21 | 0.100           | 1       |
| QR.130.236.08A | 100           | 14/23 | 0.100           | 1       |
| QR.130.236.09A | 200           | 14/23 | 0.150           | 1       |
| QR.130.236.10A | 250           | 14/23 | 0.150           | 1       |
| QR.130.236.11A | 500           | 19/26 | 0.250           | 1       |
| QR.130.236.12A | 1000          | 24/29 | 0.400           | 1       |
| QR.130.236.13A | 2000          | 29/32 | 0.600           | 1       |



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## Volumetric Flasks, Amber, Class-A

- Compliance with ISO 1042 Standards
- With Batch Certificate
- With Hollow glass Stopper

| Item Code   | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|-------------|---------------|-------|-----------------|---------|
| 130.234.01A | 5             | 10/19 | 0.040           | 2       |
| 130.234.02A | 10            | 10/19 | 0.040           | 2       |
| 130.234.03A | 20            | 10/19 | 0.040           | 2       |
| 130.234.04A | 25            | 10/19 | 0.040           | 2       |
| 130.234.05A | 50            | 12/21 | 0.060           | 2       |
| 130.234.06A | 50            | 14/23 | 0.100           | 2       |
| 130.234.07A | 100           | 12/21 | 0.100           | 2       |
| 130.234.08A | 100           | 14/23 | 0.100           | 2       |
| 130.234.09A | 200           | 14/23 | 0.150           | 2       |
| 130.234.10A | 250           | 14/23 | 0.150           | 2       |
| 130.234.11A | 500           | 19/26 | 0.250           | 2       |
| 130.234.12A | 1000          | 24/29 | 0.400           | 2       |
| 130.234.13A | 2000          | 29/32 | 0.600           | 1       |



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# Volumetric Flasks



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## Volumetric Flasks, Clear Glass, Class-B

- Compliance with ISO-1042
- With PE Stopper

| Item Code   | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|-------------|---------------|-------|-----------------|---------|
| 129.222.01  | 5             | 10/19 | 0.080           | 2       |
| 129.222.02  | 10            | 10/19 | 0.080           | 2       |
| 129.222.02A | 20            | 10/19 | 0.080           | 2       |
| 129.222.03  | 25            | 10/19 | 0.080           | 2       |
| 129.222.04  | 50            | 12/21 | 0.120           | 2       |
| 129.222.04A | 50            | 14/23 | 0.200           | 2       |
| 129.222.11  | 100           | 12/21 | 0.200           | 2       |
| 129.222.05  | 100           | 14/23 | 0.200           | 2       |
| 129.222.06  | 200           | 14/23 | 0.300           | 2       |
| 129.222.07  | 250           | 14/23 | 0.300           | 2       |
| 129.222.08  | 500           | 19/26 | 0.500           | 2       |
| 129.222.09  | 1000          | 24/29 | 0.800           | 2       |
| 129.222.10  | 2000          | 29/32 | 1.200           | 1       |



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## Volumetric Flasks, Clear Glass, Class-B

- Compliance with ISO-1042
- With Hollow glass Stopper

| Item Code   | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|-------------|---------------|-------|-----------------|---------|
| 128.234.01  | 5             | 10/19 | 0.080           | 2       |
| 128.234.02  | 10            | 10/19 | 0.080           | 2       |
| 128.234.02A | 20            | 10/19 | 0.080           | 2       |
| 128.234.03  | 25            | 10/19 | 0.080           | 2       |
| 128.234.04  | 50            | 12/21 | 0.120           | 2       |
| 128.234.04A | 50            | 14/23 | 0.200           | 2       |
| 128.234.11  | 100           | 12/21 | 0.200           | 2       |
| 128.234.05  | 100           | 14/23 | 0.200           | 2       |
| 128.234.06  | 200           | 14/23 | 0.300           | 2       |
| 128.234.07  | 250           | 14/23 | 0.300           | 2       |
| 128.234.08  | 500           | 19/26 | 0.500           | 2       |
| 128.234.09  | 1000          | 24/29 | 0.800           | 2       |
| 128.234.10  | 2000          | 29/32 | 1.200           | 1       |

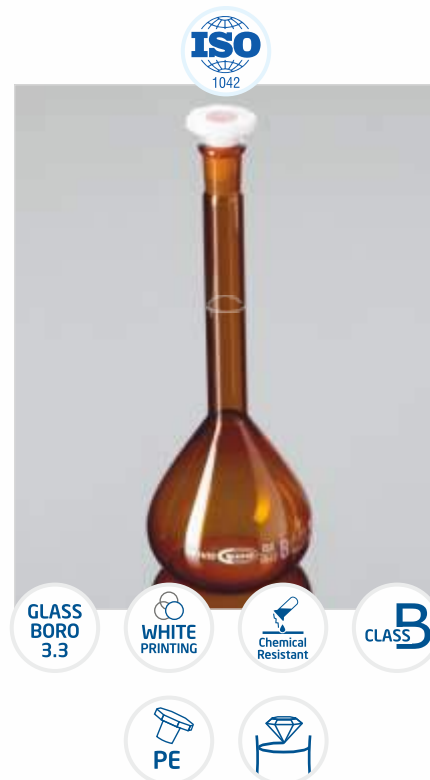
## Volumetric Flasks, Amber Glass, Class-B

- Compliance with ISO-1042
- With PE Stopper

| Item Code    | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|--------------|---------------|-------|-----------------|---------|
| 130.222.01A  | 5             | 10/19 | 0.080           | 2       |
| 130.222.02AB | 10            | 10/19 | 0.080           | 2       |
| 130.222.03A  | 20            | 10/19 | 0.080           | 2       |
| 130.222.04A  | 25            | 10/19 | 0.080           | 2       |
| 130.222.05A  | 50            | 12/21 | 0.120           | 2       |
| 130.222.05AB | 50            | 14/23 | 0.200           | 2       |
| 130.222.06AB | 100           | 12/21 | 0.200           | 2       |
| 130.222.06A  | 100           | 14/23 | 0.200           | 2       |
| 130.222.07A  | 200           | 14/23 | 0.300           | 2       |
| 130.222.08A  | 250           | 14/23 | 0.300           | 2       |
| 130.222.09A  | 500           | 19/26 | 0.500           | 2       |
| 130.222.10A  | 1000          | 24/29 | 0.800           | 2       |
| 130.222.11A  | 2000          | 29/32 | 1.200           | 1       |



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## Volumetric Flasks, Amber Glass, Class-B

- Compliance with ISO-1042
- With Hollow glass Stopper

| Item Code    | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|--------------|---------------|-------|-----------------|---------|
| 130.422.01A  | 5             | 10/19 | 0.080           | 2       |
| 130.422.02AB | 10            | 10/19 | 0.080           | 2       |
| 130.422.03A  | 20            | 10/19 | 0.080           | 2       |
| 130.422.04A  | 25            | 10/19 | 0.080           | 2       |
| 130.422.05A  | 50            | 12/21 | 0.120           | 2       |
| 130.422.05AB | 50            | 14/23 | 0.200           | 2       |
| 130.422.06AB | 100           | 12/21 | 0.200           | 2       |
| 130.422.06A  | 100           | 14/23 | 0.200           | 2       |
| 130.422.07A  | 200           | 14/23 | 0.300           | 2       |
| 130.422.08A  | 250           | 14/23 | 0.300           | 2       |
| 130.422.09A  | 500           | 19/26 | 0.500           | 2       |
| 130.422.10A  | 1000          | 24/29 | 0.800           | 2       |
| 130.422.11A  | 2000          | 29/32 | 1.200           | 1       |



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# Volumetric Flasks



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## Volumetric Flask, PE Stopper, Class A

- Compliance with **USP** (United States Pharmacopoeia) Standard
- With Individual work Certificate and Serial Number
- Qr Coded Flask
- With PE Stopper

| Item Code      | Capacity (ml) | N/S   | Tolerance ( $\pm$ ml) | Pack of |
|----------------|---------------|-------|-----------------------|---------|
| QR.130.220.01  | 5             | 10/19 | 0.020                 | 1       |
| QR.130.220.02  | 10            | 10/19 | 0.020                 | 1       |
| QR.130.220.02A | 20            | 10/19 | 0.030                 | 1       |
| QR.130.220.03  | 25            | 10/19 | 0.030                 | 1       |
| QR.130.220.04  | 50            | 12/21 | 0.050                 | 1       |
| QR.130.220.04B | 50            | 14/23 | 0.050                 | 1       |
| QR.130.220.05B | 100           | 12/21 | 0.080                 | 1       |
| QR.130.220.05  | 100           | 14/23 | 0.080                 | 1       |
| QR.130.220.06  | 200           | 14/23 | 0.100                 | 1       |
| QR.130.220.07  | 250           | 14/23 | 0.120                 | 1       |
| QR.130.220.08  | 500           | 19/26 | 0.150                 | 1       |
| QR.130.220.09  | 1000          | 24/29 | 0.300                 | 1       |
| QR.130.220.10  | 2000          | 29/32 | 0.500                 | 1       |



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## Volumetric Flask, PE Stopper, Class A

- Compliance with **USP** (United States Pharmacopoeia) Standard
- With Batch Certificate
- With PE Stopper

| Item Code  | Capacity (ml) | N/S   | Tolerance ( $\pm$ ml) | Pack of |
|------------|---------------|-------|-----------------------|---------|
| 130.461.01 | 5             | 10/19 | 0.020                 | 2       |
| 130.461.02 | 10            | 10/19 | 0.020                 | 2       |
| 130.461.03 | 20            | 10/19 | 0.030                 | 2       |
| 130.461.04 | 25            | 10/19 | 0.030                 | 2       |
| 130.461.05 | 50            | 12/21 | 0.050                 | 2       |
| 130.461.06 | 50            | 14/23 | 0.050                 | 2       |
| 130.461.07 | 100           | 12/21 | 0.080                 | 2       |
| 130.461.08 | 100           | 14/23 | 0.080                 | 2       |
| 130.461.09 | 200           | 14/23 | 0.100                 | 2       |
| 130.461.10 | 250           | 14/23 | 0.120                 | 2       |
| 130.461.11 | 500           | 19/26 | 0.150                 | 2       |
| 130.461.12 | 1000          | 24/29 | 0.300                 | 2       |
| 130.461.13 | 2000          | 29/32 | 0.500                 | 1       |

## Volumetric Flask, PE Stopper, Class A

- Compliance with USP (United States Pharmacopia) Standard
- With Individual work Certificate and Serial Number
- Qr Coded Flask
- With PE Stopper

| Item Code       | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|-----------------|---------------|-------|-----------------|---------|
| QR.130.220.01A  | 5             | 10/19 | 0.020           | 1       |
| QR.130.220.02AB | 10            | 10/19 | 0.020           | 1       |
| QR.130.220.03A  | 20            | 10/19 | 0.030           | 1       |
| QR.130.220.04A  | 25            | 10/19 | 0.030           | 1       |
| QR.130.220.05A  | 50            | 12/21 | 0.050           | 1       |
| QR.130.220.05AB | 50            | 14/23 | 0.050           | 1       |
| QR.130.220.06AB | 100           | 12/21 | 0.080           | 1       |
| QR.130.220.06A  | 100           | 14/23 | 0.080           | 1       |
| QR.130.220.07A  | 200           | 14/23 | 0.100           | 1       |
| QR.130.220.08A  | 250           | 14/23 | 0.120           | 1       |
| QR.130.220.09A  | 500           | 19/26 | 0.150           | 1       |
| QR.130.220.10A  | 1000          | 24/29 | 0.300           | 1       |
| QR.130.220.11A  | 2000          | 29/32 | 0.500           | 1       |



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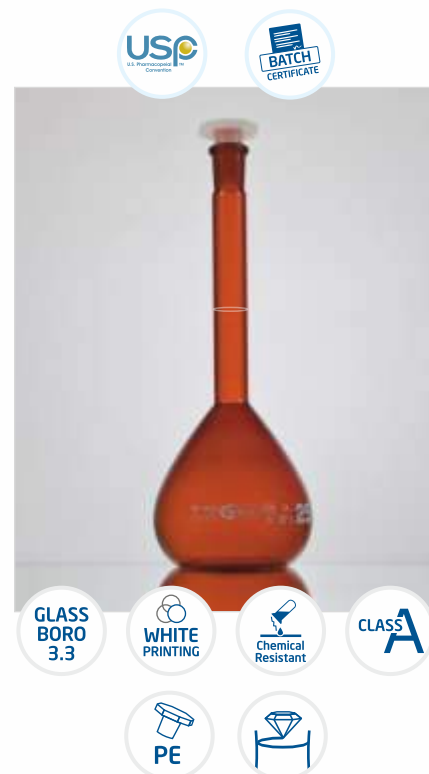
## Volumetric Flask, PE Stopper, Class A

- Compliance with USP (United States Pharmacopia) Standard
- With Conformity Batch Certificate
- With PE Stopper

| Item Code  | Capacity (ml) | N/S   | Tolerance (+ml) | Pack of |
|------------|---------------|-------|-----------------|---------|
| 130.462.01 | 5             | 10/19 | 0.020           | 2       |
| 130.462.02 | 10            | 10/19 | 0.020           | 2       |
| 130.462.03 | 20            | 10/19 | 0.030           | 2       |
| 130.462.04 | 25            | 10/19 | 0.030           | 2       |
| 130.462.05 | 50            | 12/21 | 0.050           | 2       |
| 130.462.06 | 50            | 14/23 | 0.050           | 2       |
| 130.462.07 | 100           | 12/21 | 0.080           | 2       |
| 130.462.08 | 100           | 14/23 | 0.080           | 2       |
| 130.462.09 | 200           | 14/23 | 0.100           | 2       |
| 130.462.10 | 250           | 14/23 | 0.120           | 2       |
| 130.462.11 | 500           | 19/26 | 0.150           | 2       |
| 130.462.12 | 1000          | 24/29 | 0.300           | 2       |
| 130.462.13 | 2000          | 29/32 | 0.500           | 1       |



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# Volumetric Flasks



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## Volumetric Flask, Qr Coded, CLASS A, SERIALIZED,

- These flasks are made as per ASTM E-288, Class-A Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel
- With Individual work Certificate and Serial Number

| Item Code      | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|----------------|---------------|-----------------------|--------------|--------------|---------|
| QR.134.236.01  | 5             | 0.02                  | 9            | Penny Head   | 1       |
| QR.131.236.01  | 5             | 0.02                  | 13           | Penny Head   | 1       |
| QR.134.236.02  | 10            | 0.02                  | 9            | Penny Head   | 1       |
| QR.131.236.02  | 10            | 0.02                  | 13           | Penny Head   | 1       |
| QR.134.236.03* | 20            | 0.03                  | 9            | Penny Head   | 1       |
| QR.131.236.03* | 20            | 0.03                  | 13           | Penny Head   | 1       |
| QR.134.236.04  | 25            | 0.03                  | 9            | Penny Head   | 1       |
| QR.131.236.04  | 25            | 0.03                  | 13           | Penny Head   | 1       |
| QR.134.236.05  | 50            | 0.05                  | 9            | Penny Head   | 1       |
| QR.131.236.05  | 50            | 0.05                  | 13           | Penny Head   | 1       |
| QR.134.236.06  | 100           | 0.08                  | 13           | Penny Head   | 1       |
| QR.131.236.06  | 100           | 0.08                  | 16           | Penny Head   | 1       |
| QR.134.236.07  | 200           | 0.10                  | 16           | Penny Head   | 1       |
| QR.131.236.07  | 200           | 0.12                  | 19           | Penny Head   | 1       |
| QR.134.236.08  | 250           | 0.12                  | 16           | Penny Head   | 1       |
| QR.131.236.08  | 250           | 0.20                  | 19           | Penny Head   | 1       |
| QR.131.236.09  | 500           | 0.20                  | 19           | Penny Head   | 1       |
| QR.131.236.10  | 1000          | 0.30                  | 22           | Penny Head   | 1       |
| QR.131.236.11  | 2000          | 0.50                  | 27           | Penny Head   | 1       |
| QR.131.236.13* | 4000          | 1.20                  | 38           | Penny Head   | 1       |
| QR.131.236.15* | 6000          | 1.50                  | 38           | Penny Head   | 1       |

\* Non ASTM



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## Volumetric Flask, CLASS A, UNSERIALIZED

- These flasks are made as per ASTM E-288, Class-A unserialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Batch Certificate

| Item Code    | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|--------------|---------------|-----------------------|--------------|--------------|---------|
| 134.234.00*  | 1             | 0.01                  | 8            | Penny Head   | 2       |
| 134.234.00B* | 2             | 0.01                  | 8            | Penny Head   | 2       |
| 134.234.01   | 5             | 0.02                  | 9            | Penny Head   | 2       |
| 131.234.01   | 5             | 0.02                  | 13           | Penny Head   | 2       |
| 134.234.02   | 10            | 0.02                  | 9            | Penny Head   | 2       |
| 131.234.02   | 10            | 0.02                  | 13           | Penny Head   | 2       |
| 134.234.03*  | 20            | 0.03                  | 9            | Penny Head   | 2       |
| 131.234.03*  | 20            | 0.03                  | 13           | Penny Head   | 2       |
| 134.234.04   | 25            | 0.03                  | 9            | Penny Head   | 2       |
| 131.234.04   | 25            | 0.03                  | 13           | Penny Head   | 2       |
| 134.234.05   | 50            | 0.05                  | 9            | Penny Head   | 2       |
| 131.234.05   | 50            | 0.05                  | 13           | Penny Head   | 2       |
| 134.234.06   | 100           | 0.08                  | 13           | Penny Head   | 2       |
| 131.234.06   | 100           | 0.08                  | 16           | Penny Head   | 2       |
| 134.234.07   | 200           | 0.10                  | 16           | Penny Head   | 2       |
| 131.234.07   | 200           | 0.10                  | 19           | Penny Head   | 2       |
| 134.234.08   | 250           | 0.12                  | 16           | Penny Head   | 2       |
| 131.234.08   | 250           | 0.12                  | 19           | Penny Head   | 2       |
| 131.234.09   | 500           | 0.20                  | 19           | Penny Head   | 2       |
| 131.234.10   | 1000          | 0.30                  | 22           | Penny Head   | 2       |
| 131.234.11   | 2000          | 0.50                  | 27           | Penny Head   | 1       |
| 131.234.13*  | 4000          | 1.20                  | 38           | Penny Head   | 1       |
| 131.234.15*  | 6000          | 1.50                  | 38           | Penny Head   | 1       |

\* Non ASTM

## Volumetric Flask, Qr Coded, CLASS A, SERIALIZED

- These flasks are made as per ASTM E-288, Class-A Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Individual work Certificate

| Item Code      | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|----------------|---------------|-----------------------|--------------|--------------|---------|
| QR.134.276.01  | 5             | 0.02                  | 9            | Polyethylene | 1       |
| QR.131.276.01  | 5             | 0.02                  | 13           | Polyethylene | 1       |
| QR.134.276.02  | 10            | 0.02                  | 9            | Polyethylene | 1       |
| QR.131.276.02  | 10            | 0.02                  | 13           | Polyethylene | 1       |
| QR.134.276.03* | 20            | 0.03                  | 9            | Polyethylene | 1       |
| QR.131.276.03* | 20            | 0.03                  | 13           | Polyethylene | 1       |
| QR.134.276.04  | 25            | 0.03                  | 9            | Polyethylene | 1       |
| QR.131.276.04  | 25            | 0.03                  | 13           | Polyethylene | 1       |
| QR.134.276.05  | 50            | 0.05                  | 9            | Polyethylene | 1       |
| QR.131.276.05  | 50            | 0.05                  | 13           | Polyethylene | 1       |
| QR.134.276.06  | 100           | 0.08                  | 13           | Polyethylene | 1       |
| QR.131.276.06  | 100           | 0.08                  | 16           | Polyethylene | 1       |
| QR.134.276.07  | 200           | 0.10                  | 16           | Polyethylene | 1       |
| QR.131.276.07  | 200           | 0.10                  | 19           | Polyethylene | 1       |
| QR.134.276.08  | 250           | 0.12                  | 16           | Polyethylene | 1       |
| QR.131.276.08  | 250           | 0.12                  | 19           | Polyethylene | 1       |
| QR.131.276.09  | 500           | 0.20                  | 19           | Polyethylene | 1       |
| QR.131.276.10  | 1000          | 0.30                  | 22           | Polyethylene | 1       |
| QR.131.276.11  | 2000          | 0.50                  | 27           | Polyethylene | 1       |
| QR.131.276.13* | 4000          | 1.20                  | 38           | Polyethylene | 1       |
| QR.131.276.15* | 6000          | 1.50                  | 38           | Polyethylene | 1       |

\* Non ASTM



Buy Now!

## Volumetric Flask, CLASS A, UNSERIALIZED

- These flasks are made as per ASTM E-288, Class-A unserialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Batch Certificate

| Item Code    | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|--------------|---------------|-----------------------|--------------|--------------|---------|
| 134.232.00*  | 1             | 0.01                  | 8            | Polyethylene | 2       |
| 134.232.00B* | 2             | 0.01                  | 8            | Polyethylene | 2       |
| 134.232.01   | 5             | 0.02                  | 9            | Polyethylene | 2       |
| 131.232.01   | 5             | 0.02                  | 13           | Polyethylene | 2       |
| 134.232.02   | 10            | 0.02                  | 9            | Polyethylene | 2       |
| 131.232.02   | 10            | 0.02                  | 13           | Polyethylene | 2       |
| 134.232.03*  | 20            | 0.03                  | 9            | Polyethylene | 2       |
| 131.232.03*  | 20            | 0.03                  | 13           | Polyethylene | 2       |
| 134.232.04   | 25            | 0.03                  | 9            | Polyethylene | 2       |
| 131.232.04   | 25            | 0.03                  | 13           | Polyethylene | 2       |
| 134.232.05   | 50            | 0.05                  | 9            | Polyethylene | 2       |
| 131.232.05   | 50            | 0.05                  | 13           | Polyethylene | 2       |
| 134.232.06   | 100           | 0.08                  | 13           | Polyethylene | 2       |
| 131.232.06   | 100           | 0.08                  | 16           | Polyethylene | 2       |
| 134.232.07   | 200           | 0.10                  | 16           | Polyethylene | 2       |
| 131.232.07   | 200           | 0.10                  | 19           | Polyethylene | 2       |
| 134.232.08   | 250           | 0.12                  | 16           | Polyethylene | 2       |
| 131.232.08   | 250           | 0.12                  | 19           | Polyethylene | 2       |
| 131.232.09   | 500           | 0.20                  | 19           | Polyethylene | 2       |
| 131.232.10   | 1000          | 0.30                  | 22           | Polyethylene | 2       |
| 131.232.11   | 2000          | 0.50                  | 27           | Polyethylene | 1       |
| 131.232.13*  | 4000          | 1.20                  | 38           | Polyethylene | 1       |
| 131.232.15*  | 6000          | 1.50                  | 38           | Polyethylene | 1       |

\* Non ASTM



Buy Now!

# Volumetric Flasks

## Volumetric Flask, QR Coded, CLASS A, SERIALIZED,

- These flasks are made as per ASTM E-288, Class-A Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Individual work Certificate



Buy Now!

| Item Code      | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|----------------|---------------|-----------------------|--------------|--------------|---------|
| QR.134.479.01  | 5             | 0.02                  | 9            | PTFE         | 1       |
| QR.131.479.01  | 5             | 0.02                  | 13           | PTFE         | 1       |
| QR.134.479.02  | 10            | 0.02                  | 9            | PTFE         | 1       |
| QR.131.479.02  | 10            | 0.02                  | 13           | PTFE         | 1       |
| QR.134.479.03* | 20            | 0.03                  | 9            | PTFE         | 1       |
| QR.131.479.03* | 20            | 0.03                  | 13           | PTFE         | 1       |
| QR.134.479.04  | 25            | 0.03                  | 9            | PTFE         | 1       |
| QR.131.479.04  | 25            | 0.03                  | 13           | PTFE         | 1       |
| QR.134.479.05  | 50            | 0.05                  | 9            | PTFE         | 1       |
| QR.131.479.05  | 50            | 0.05                  | 13           | PTFE         | 1       |
| QR.134.479.06  | 100           | 0.08                  | 13           | PTFE         | 1       |
| QR.131.479.06  | 100           | 0.08                  | 16           | PTFE         | 1       |
| QR.134.479.07  | 200           | 0.10                  | 16           | PTFE         | 1       |
| QR.131.479.07  | 200           | 0.10                  | 19           | PTFE         | 1       |
| QR.134.479.08  | 250           | 0.12                  | 16           | PTFE         | 1       |
| QR.131.479.08  | 250           | 0.12                  | 19           | PTFE         | 1       |
| QR.131.479.09  | 500           | 0.20                  | 19           | PTFE         | 1       |
| QR.131.479.10  | 1000          | 0.30                  | 22           | PTFE         | 1       |
| QR.131.479.11  | 2000          | 0.50                  | 27           | PTFE         | 1       |
| QR.131.479.13* | 4000          | 1.20                  | 38           | PTFE         | 1       |
| QR.131.479.15* | 6000          | 1.50                  | 38           | PTFE         | 1       |

\* Non ASTM

## Volumetric Flask, CLASS A, UNSERIALIZED

- These flasks are made as per ASTM E-288, Class-A unserialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Batch Certificate



Buy Now!

| Item Code    | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|--------------|---------------|-----------------------|--------------|--------------|---------|
| 134.478.00*  | 1             | 0.01                  | 8            | PTFE         | 2       |
| 134.478.00B* | 2             | 0.01                  | 8            | PTFE         | 2       |
| 134.478.01   | 5             | 0.02                  | 9            | PTFE         | 2       |
| 131.478.01   | 5             | 0.02                  | 13           | PTFE         | 2       |
| 134.478.02   | 10            | 0.02                  | 9            | PTFE         | 2       |
| 131.478.02   | 10            | 0.02                  | 13           | PTFE         | 2       |
| 134.478.03*  | 20            | 0.03                  | 9            | PTFE         | 2       |
| 131.478.03*  | 20            | 0.03                  | 13           | PTFE         | 2       |
| 134.478.04   | 25            | 0.03                  | 9            | PTFE         | 2       |
| 131.478.04   | 25            | 0.05                  | 13           | PTFE         | 2       |
| 134.478.05   | 50            | 0.05                  | 9            | PTFE         | 2       |
| 131.478.05   | 50            | 0.05                  | 13           | PTFE         | 2       |
| 134.478.06   | 100           | 0.08                  | 13           | PTFE         | 2       |
| 131.478.06   | 100           | 0.08                  | 16           | PTFE         | 2       |
| 134.478.07   | 200           | 0.10                  | 16           | PTFE         | 2       |
| 131.478.07   | 200           | 0.10                  | 19           | PTFE         | 2       |
| 134.478.08   | 250           | 0.12                  | 16           | PTFE         | 2       |
| 131.478.08   | 250           | 0.12                  | 19           | PTFE         | 2       |
| 131.478.09   | 500           | 0.20                  | 19           | PTFE         | 2       |
| 131.478.10   | 1000          | 0.30                  | 22           | PTFE         | 2       |
| 131.478.11   | 2000          | 0.50                  | 27           | PTFE         | 2       |
| 131.478.13*  | 4000          | 1.20                  | 38           | PTFE         | 1       |
| 131.478.15*  | 6000          | 1.50                  | 38           | PTFE         | 1       |

\* Non ASTM

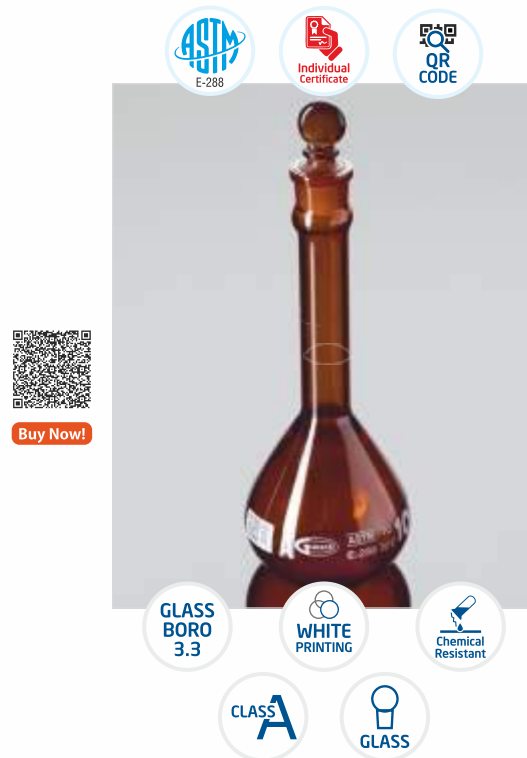
1

## Amber, Volumetric Flask, Qr Coded, CLASS A, SERIALIZED

- These flasks are made as per ASTM E-288, Class-A Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Individual work Certificate

| Item Code       | Capacity (ml) | Tolerance (± ml) | Stopper Size | Stopper Type | Pack of |
|-----------------|---------------|------------------|--------------|--------------|---------|
| QR.134.236.01A  | 5             | 0.02             | 9            | Penny Head   | 1       |
| QR.131.236.01A  | 5             | 0.02             | 13           | Penny Head   | 1       |
| QR.134.236.02A  | 10            | 0.02             | 9            | Penny Head   | 1       |
| QR.131.236.02A  | 10            | 0.02             | 13           | Penny Head   | 1       |
| QR.134.236.03A* | 20            | 0.03             | 9            | Penny Head   | 1       |
| QR.131.236.03A* | 20            | 0.03             | 13           | Penny Head   | 1       |
| QR.134.236.04A  | 25            | 0.03             | 9            | Penny Head   | 1       |
| QR.131.236.04A  | 25            | 0.03             | 13           | Penny Head   | 1       |
| QR.134.236.05A  | 50            | 0.05             | 9            | Penny Head   | 1       |
| QR.131.236.05A  | 50            | 0.05             | 13           | Penny Head   | 1       |
| QR.134.236.06A  | 100           | 0.08             | 13           | Penny Head   | 1       |
| QR.131.236.06A  | 100           | 0.08             | 16           | Penny Head   | 1       |
| QR.134.236.07A  | 200           | 0.10             | 16           | Penny Head   | 1       |
| QR.131.236.07A  | 200           | 0.10             | 19           | Penny Head   | 1       |
| QR.134.236.08A  | 250           | 0.12             | 16           | Penny Head   | 1       |
| QR.131.236.08A  | 250           | 0.12             | 19           | Penny Head   | 1       |
| QR.131.236.09A  | 500           | 0.20             | 19           | Penny Head   | 1       |
| QR.131.236.10A  | 1000          | 0.30             | 22           | Penny Head   | 1       |
| QR.131.236.11A  | 2000          | 0.50             | 27           | Penny Head   | 1       |

\* Non ASTM

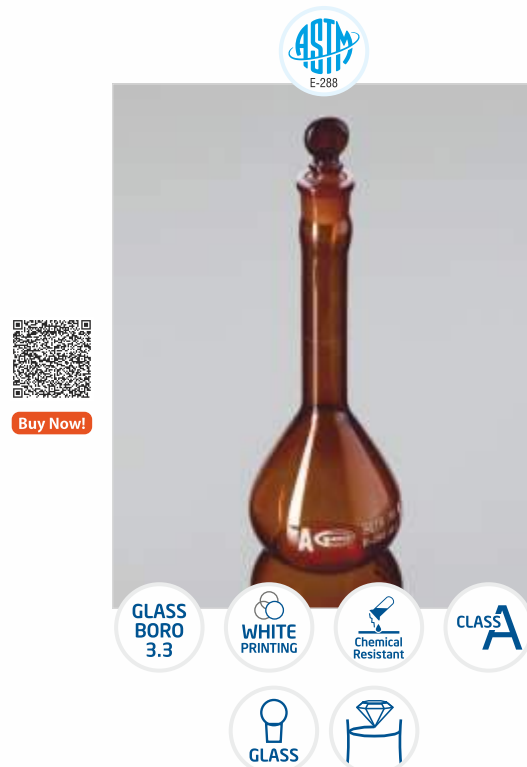


## Amber, Volumetric Flask, CLASS A, UNSERIALIZED

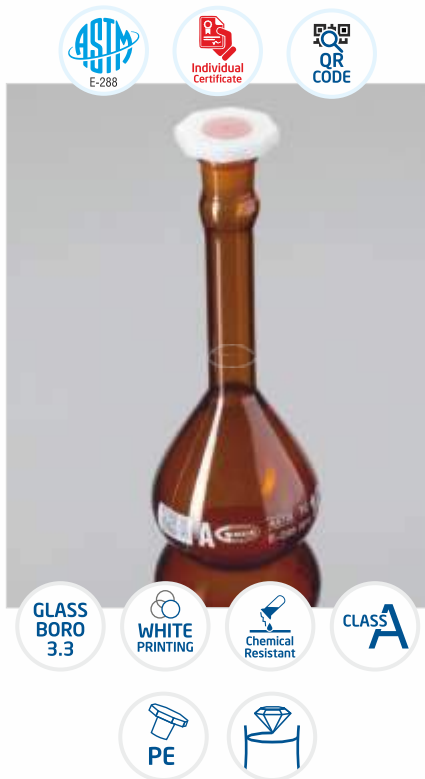
- These flasks are made as per ASTM E 288 Class A unserialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Batch Certificate

| Item Code     | Capacity (ml) | Tolerance (± ml) | Stopper Size | Stopper Type | Pack of |
|---------------|---------------|------------------|--------------|--------------|---------|
| 134.234.00A*  | 1             | 0.01             | 8            | Penny Head   | 2       |
| 134.234.00BA* | 2             | 0.01             | 8            | Penny Head   | 2       |
| 134.234.01A   | 5             | 0.02             | 9            | Penny Head   | 2       |
| 131.234.01A   | 5             | 0.02             | 13           | Penny Head   | 2       |
| 134.234.02A   | 10            | 0.02             | 9            | Penny Head   | 2       |
| 131.234.02A   | 10            | 0.02             | 13           | Penny Head   | 2       |
| 134.234.03A*  | 20            | 0.03             | 9            | Penny Head   | 2       |
| 131.234.03A*  | 20            | 0.03             | 13           | Penny Head   | 2       |
| 134.234.04A   | 25            | 0.03             | 9            | Penny Head   | 2       |
| 131.234.04A   | 25            | 0.03             | 13           | Penny Head   | 2       |
| 134.234.05A   | 50            | 0.05             | 9            | Penny Head   | 2       |
| 131.234.05A   | 50            | 0.05             | 13           | Penny Head   | 2       |
| 134.234.06A   | 100           | 0.08             | 13           | Penny Head   | 2       |
| 131.234.06A   | 100           | 0.08             | 16           | Penny Head   | 2       |
| 134.234.07A   | 200           | 0.10             | 16           | Penny Head   | 2       |
| 131.234.07A   | 200           | 0.10             | 19           | Penny Head   | 2       |
| 134.234.08A   | 250           | 0.12             | 16           | Penny Head   | 2       |
| 131.234.08A   | 250           | 0.12             | 19           | Penny Head   | 2       |
| 131.234.09A   | 500           | 0.20             | 19           | Penny Head   | 2       |
| 131.234.10A   | 1000          | 0.30             | 22           | Penny Head   | 2       |
| 131.234.11A   | 2000          | 0.50             | 27           | Penny Head   | 1       |

\* Non ASTM



# Volumetric Flasks



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## Amber, Volumetric Flask, Qr Coded, CLASS A, SERIALIZED

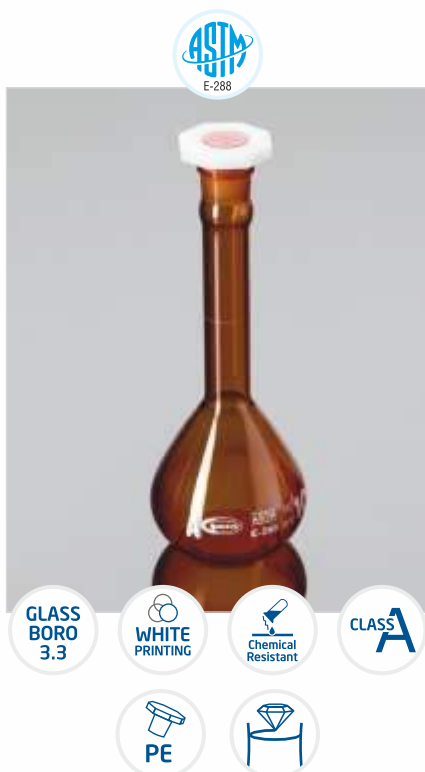
- These flasks are made as per ASTM E-288, Class-A Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Individual work Certificate

| Item Code       | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|-----------------|---------------|-----------------------|--------------|--------------|---------|
| QR.134.276.01A  | 5             | 0.02                  | 9            | Polyethylene | 1       |
| QR.131.276.01A  | 5             | 0.02                  | 13           | Polyethylene | 1       |
| QR.134.276.02A  | 10            | 0.02                  | 9            | Polyethylene | 1       |
| QR.131.276.02A  | 10            | 0.02                  | 13           | Polyethylene | 1       |
| QR.134.276.03A* | 20            | 0.03                  | 9            | Polyethylene | 1       |
| QR.131.276.03A* | 20            | 0.03                  | 13           | Polyethylene | 1       |
| QR.134.276.04A  | 25            | 0.03                  | 9            | Polyethylene | 1       |
| QR.131.276.04A  | 25            | 0.03                  | 13           | Polyethylene | 1       |
| QR.134.276.05A  | 50            | 0.05                  | 9            | Polyethylene | 1       |
| QR.131.276.05A  | 50            | 0.05                  | 13           | Polyethylene | 1       |
| QR.134.276.06A  | 100           | 0.08                  | 13           | Polyethylene | 1       |
| QR.131.276.06A  | 100           | 0.08                  | 16           | Polyethylene | 1       |
| QR.134.276.07A  | 200           | 0.10                  | 16           | Polyethylene | 1       |
| QR.131.276.07A  | 200           | 0.10                  | 19           | Polyethylene | 1       |
| QR.134.276.08A  | 250           | 0.12                  | 16           | Polyethylene | 1       |
| QR.131.276.08A  | 250           | 0.12                  | 19           | Polyethylene | 1       |
| QR.131.276.09A  | 500           | 0.20                  | 19           | Polyethylene | 1       |
| QR.131.276.10A  | 1000          | 0.30                  | 22           | Polyethylene | 1       |
| QR.131.276.11A  | 2000          | 0.50                  | 27           | Polyethylene | 1       |

\* Non ASTM

## Amber, Volumetric Flask, CLASS A, UNSERIALIZED

- These flasks are made as per ASTM E-288, Class-A unserialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel
- With Batch Certificate



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| Item Code     | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|---------------|---------------|-----------------------|--------------|--------------|---------|
| 134.232.00A*  | 1             | 0.01                  | 8            | Polyethylene | 2       |
| 134.232.00BA* | 2             | 0.01                  | 8            | Polyethylene | 2       |
| 134.232.01A   | 5             | 0.02                  | 9            | Polyethylene | 2       |
| 131.232.01A   | 5             | 0.02                  | 13           | Polyethylene | 2       |
| 134.232.02A   | 10            | 0.02                  | 9            | Polyethylene | 2       |
| 131.232.02A   | 10            | 0.02                  | 13           | Polyethylene | 2       |
| 134.232.03A*  | 20            | 0.03                  | 9            | Polyethylene | 2       |
| 131.232.03A*  | 20            | 0.03                  | 13           | Polyethylene | 2       |
| 134.232.04A   | 25            | 0.03                  | 9            | Polyethylene | 2       |
| 131.232.04A   | 25            | 0.03                  | 13           | Polyethylene | 2       |
| 134.232.05A   | 50            | 0.05                  | 9            | Polyethylene | 2       |
| 131.232.05A   | 50            | 0.05                  | 13           | Polyethylene | 2       |
| 134.232.06A   | 100           | 0.08                  | 13           | Polyethylene | 2       |
| 131.232.06A   | 100           | 0.08                  | 16           | Polyethylene | 2       |
| 134.232.07A   | 200           | 0.10                  | 16           | Polyethylene | 2       |
| 131.232.07A   | 200           | 0.10                  | 19           | Polyethylene | 2       |
| 134.232.08A   | 250           | 0.12                  | 16           | Polyethylene | 2       |
| 131.232.08A   | 250           | 0.12                  | 19           | Polyethylene | 2       |
| 131.232.09A   | 500           | 0.20                  | 19           | Polyethylene | 2       |
| 131.232.10A   | 1000          | 0.30                  | 22           | Polyethylene | 2       |
| 131.232.11A   | 2000          | 0.50                  | 27           | Polyethylene | 1       |

\* Non ASTM



## Amber, Volumetric Flask, QR Coded, CLASS A, SERIALIZED

- These flasks are made as per ASTM E-288, Class-A Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Individual work Certificate

| Item Code       | Capacity (ml) | Tolerance (± ml) | Stopper Size | Stopper Type | Pack of |
|-----------------|---------------|------------------|--------------|--------------|---------|
| QR.134.479.01A  | 5             | 0.02             | 9            | PTFE         | 1       |
| QR.131.479.01A  | 5             | 0.02             | 13           | PTFE         | 1       |
| QR.134.479.02A  | 10            | 0.02             | 9            | PTFE         | 1       |
| QR.131.479.02A  | 10            | 0.02             | 13           | PTFE         | 1       |
| QR.131.479.03A* | 20            | 0.03             | 13           | PTFE         | 1       |
| QR.134.479.03A* | 20            | 0.03             | 9            | PTFE         | 1       |
| QR.134.479.04A  | 25            | 0.03             | 9            | PTFE         | 1       |
| QR.131.479.04A  | 25            | 0.03             | 13           | PTFE         | 1       |
| QR.134.479.05A  | 50            | 0.05             | 9            | PTFE         | 1       |
| QR.131.479.05A  | 50            | 0.05             | 13           | PTFE         | 1       |
| QR.134.479.06A  | 100           | 0.08             | 13           | PTFE         | 1       |
| QR.131.479.06A  | 100           | 0.08             | 16           | PTFE         | 1       |
| QR.134.479.07A  | 200           | 0.10             | 16           | PTFE         | 1       |
| QR.131.479.07A  | 200           | 0.10             | 19           | PTFE         | 1       |
| QR.134.479.08A  | 250           | 0.12             | 16           | PTFE         | 1       |
| QR.131.479.08A  | 250           | 0.12             | 19           | PTFE         | 1       |
| QR.131.479.09A  | 500           | 0.20             | 19           | PTFE         | 1       |
| QR.131.479.10A  | 1000          | 0.30             | 22           | PTFE         | 1       |
| QR.131.479.11A  | 2000          | 0.50             | 27           | PTFE         | 1       |

\* Non ASTM

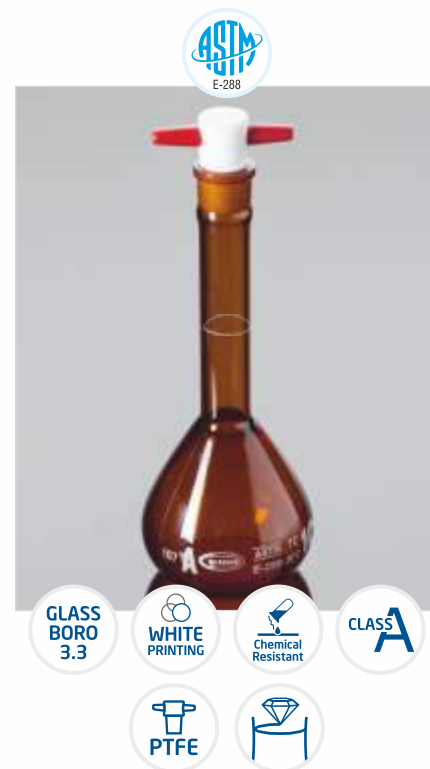


## Amber, Volumetric Flask, CLASS A, UNSERIALIZED

- These flasks are made as per ASTM E-288, Class-A unserialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- These comes in white colour enamel printing
- Printed in white colour enamel & with Batch Certificate

| Item Code     | Capacity (ml) | Tolerance (± ml) | Stopper Size | Stopper Type | Pack of |
|---------------|---------------|------------------|--------------|--------------|---------|
| 134.478.00A*  | 1             | 0.01             | 8            | PTFE         | 2       |
| 134.478.00BA* | 2             | 0.01             | 8            | PTFE         | 2       |
| 134.478.01A   | 5             | 0.02             | 9            | PTFE         | 2       |
| 131.478.01A   | 5             | 0.02             | 13           | PTFE         | 2       |
| 131.478.02A   | 10            | 0.02             | 13           | PTFE         | 2       |
| 134.478.02A   | 10            | 0.02             | 9            | PTFE         | 2       |
| 134.478.03A*  | 20            | 0.03             | 9            | PTFE         | 2       |
| 131.478.03A*  | 20            | 0.03             | 13           | PTFE         | 2       |
| 134.478.04A   | 25            | 0.03             | 9            | PTFE         | 2       |
| 131.478.04A   | 25            | 0.03             | 13           | PTFE         | 2       |
| 134.478.05A   | 50            | 0.05             | 9            | PTFE         | 2       |
| 131.478.05A   | 50            | 0.05             | 13           | PTFE         | 2       |
| 134.478.06A   | 100           | 0.08             | 13           | PTFE         | 2       |
| 131.478.06A   | 100           | 0.08             | 16           | PTFE         | 2       |
| 134.478.07A   | 200           | 0.10             | 16           | PTFE         | 2       |
| 131.478.07A   | 200           | 0.10             | 19           | PTFE         | 2       |
| 134.478.08A   | 250           | 0.12             | 16           | PTFE         | 2       |
| 131.478.08A   | 250           | 0.12             | 19           | PTFE         | 2       |
| 131.478.09A   | 500           | 0.20             | 19           | PTFE         | 2       |
| 131.478.10A   | 1000          | 0.30             | 22           | PTFE         | 2       |
| 131.478.11A   | 2000          | 0.50             | 27           | PTFE         | 1       |

\* Non ASTM



# Volumetric Flasks



Buy Now!



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## Volumetric Flask, QR Coded, Red Stripe, CLASS A, SERIALIZED

- These flasks are made as per ASTM E-288, Class-A Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Individual work Certificate

| Item Code      | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|----------------|---------------|-----------------------|--------------|--------------|---------|
| QR.134.238.01  | 5             | 0.02                  | 9            | Polyethylene | 1       |
| QR.131.238.01  | 5             | 0.02                  | 13           | Polyethylene | 1       |
| QR.134.238.02  | 10            | 0.02                  | 9            | Polyethylene | 1       |
| QR.131.238.02  | 10            | 0.02                  | 13           | Polyethylene | 1       |
| QR.134.238.03* | 20            | 0.03                  | 9            | Polyethylene | 1       |
| QR.131.238.03* | 20            | 0.03                  | 13           | Polyethylene | 1       |
| QR.134.238.04  | 25            | 0.03                  | 9            | Polyethylene | 1       |
| QR.131.238.04  | 25            | 0.03                  | 13           | Polyethylene | 1       |
| QR.134.238.05  | 50            | 0.05                  | 9            | Polyethylene | 1       |
| QR.131.238.05  | 50            | 0.05                  | 13           | Polyethylene | 1       |
| QR.134.238.06  | 100           | 0.08                  | 13           | Polyethylene | 1       |
| QR.131.238.06  | 100           | 0.08                  | 16           | Polyethylene | 1       |
| QR.134.238.07  | 200           | 0.10                  | 16           | Polyethylene | 1       |
| QR.131.238.07  | 200           | 0.10                  | 19           | Polyethylene | 1       |
| QR.134.238.08  | 250           | 0.12                  | 16           | Polyethylene | 1       |
| QR.131.238.08  | 250           | 0.12                  | 19           | Polyethylene | 1       |
| QR.131.238.09  | 500           | 0.20                  | 19           | Polyethylene | 1       |
| QR.131.238.10  | 1000          | 0.30                  | 22           | Polyethylene | 1       |
| QR.131.238.11  | 2000          | 0.50                  | 27           | Polyethylene | 1       |
| QR.131.238.13* | 4000          | 1.20                  | 38           | Polyethylene | 1       |
| QR.131.238.15* | 6000          | 1.50                  | 38           | Polyethylene | 1       |

\* Non ASTM

## Volumetric Flask, Red Stripe, CLASS A, UNSERIALIZED

- These flasks are made as per ASTM E-288, Class-A Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain)
- Printed in white colour enamel & with Batch Certificate

| Item Code    | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Size | Stopper Type | Pack of |
|--------------|---------------|-----------------------|--------------|--------------|---------|
| 134.237.00*  | 1             | 0.01                  | 8            | Polyethylene | 2       |
| 134.237.00B* | 2             | 0.01                  | 8            | Polyethylene | 2       |
| 134.237.01   | 5             | 0.02                  | 9            | Polyethylene | 2       |
| 131.237.01   | 5             | 0.02                  | 13           | Polyethylene | 2       |
| 134.237.02   | 10            | 0.02                  | 9            | Polyethylene | 2       |
| 131.237.02   | 10            | 0.02                  | 13           | Polyethylene | 2       |
| 134.237.03*  | 20            | 0.03                  | 9            | Polyethylene | 2       |
| 131.237.03*  | 20            | 0.03                  | 13           | Polyethylene | 2       |
| 134.237.04   | 25            | 0.03                  | 9            | Polyethylene | 2       |
| 131.237.04   | 25            | 0.03                  | 13           | Polyethylene | 2       |
| 134.237.05   | 50            | 0.05                  | 9            | Polyethylene | 2       |
| 131.237.05   | 50            | 0.05                  | 13           | Polyethylene | 2       |
| 134.237.06   | 100           | 0.08                  | 13           | Polyethylene | 2       |
| 131.237.06   | 100           | 0.08                  | 16           | Polyethylene | 2       |
| 134.237.07   | 200           | 0.10                  | 16           | Polyethylene | 2       |
| 131.237.07   | 200           | 0.10                  | 19           | Polyethylene | 2       |
| 134.237.08   | 250           | 0.12                  | 16           | Polyethylene | 2       |
| 131.237.08   | 250           | 0.12                  | 19           | Polyethylene | 2       |
| 131.237.09   | 500           | 0.20                  | 19           | Polyethylene | 2       |
| 131.237.10   | 1000          | 0.30                  | 22           | Polyethylene | 2       |
| 131.237.11   | 2000          | 0.50                  | 27           | Polyethylene | 1       |
| 131.237.13*  | 4000          | 1.20                  | 38           | Polyethylene | 1       |
| 131.237.15*  | 6000          | 1.50                  | 38           | Polyethylene | 1       |

\* Non ASTM

## Volumetric Flask (Snap Cap), CLASS-A, UNSERIALIZED

- These flasks are made as per ASTM E-288, Class-A Unserialized Specification
- The flasks have diamond graduated line and are calibrated TC (to contain)
- It comes in white colour enamel printing

| Item Code   | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Type | Pack of |
|-------------|---------------|-----------------------|--------------|---------|
| 132.402.05W | 50            | 0.05                  | Snap Cap     | 2       |
| 132.402.06W | 100           | 0.08                  | Snap Cap     | 2       |
| 132.402.07W | 200           | 0.10                  | Snap Cap     | 2       |
| 132.402.08W | 250           | 0.12                  | Snap Cap     | 2       |
| 132.402.09W | 500           | 0.20                  | Snap Cap     | 2       |
| 132.402.10W | 1000          | 0.30                  | Snap Cap     | 2       |
| 132.402.11W | 2000          | 0.50                  | Snap Cap     | 1       |



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## Volumetric Flask (Snap Cap), CLASS-B

- Designed as per ASTM E 288 Class B

| Item Code  | Capacity (ml) | Tolerance ( $\pm$ ml) | Stopper Type | Pack of |
|------------|---------------|-----------------------|--------------|---------|
| 132.422.05 | 50            | 0.10                  | Snap Cap     | 2       |
| 132.422.06 | 100           | 0.16                  | Snap Cap     | 2       |
| 132.422.07 | 200           | 0.20                  | Snap Cap     | 2       |
| 132.422.08 | 250           | 0.24                  | Snap Cap     | 2       |
| 132.422.09 | 500           | 0.40                  | Snap Cap     | 2       |
| 132.422.10 | 1000          | 0.60                  | Snap Cap     | 2       |
| 132.422.11 | 2000          | 1.00                  | Snap Cap     | 1       |



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# Volumetric Flasks

## Volumetric Flask

blown in Polypropylene, are strong, unbreakable and have good contact clarity. These autoclavable flasks are provided with screw caps to prevent leakage. Material : Polypropylene



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| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 158.303.01 | 25            | 6       |
| 158.303.02 | 50            | 6       |
| 158.303.03 | 100           | 6       |
| 158.303.04 | 250           | 2       |
| 158.303.05 | 500           | 2       |
| 158.303.06 | 1000          | 2       |

## Bumper guard for volumetric flask



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| Item Code  | Capacity (ml) | N/S   | Pack of |
|------------|---------------|-------|---------|
| 127.202.01 | 5-25          | 10/19 | 100     |
| 127.202.02 | 50-100        | 12/21 | 100     |
| 127.202.03 | 50-250        | 14/23 | 100     |
| 127.202.04 | 500           | 19/26 | 100     |
| 127.202.05 | 1000          | 24/29 | 50      |

## Funnel

- Made from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS
- Compliance with DIN ISO 4798 & USP standards
- With 60° bowl angle for precise fitting of filter paper

| <i>New</i><br>Item Code | Old<br>Item Code | Diameter (mm) | Pack of |
|-------------------------|------------------|---------------|---------|
| 238.502.01*             | 238.202.01*      | 25            | 10      |
| 238.502.02              | 238.202.02       | 35            | 10      |
| 238.502.03*             | 238.202.03*      | 38            | 10      |
| 238.502.04*             | 238.202.04*      | 40            | 10      |
| 238.502.05*             | 238.202.05*      | 50            | 10      |
| 238.502.06              | 238.202.06       | 55            | 10      |
| 238.502.07*             | 238.202.07*      | 65            | 10      |
| 238.502.08*             | 238.202.08*      | 70            | 10      |
| 238.502.09              | 238.202.09       | 75            | 10      |
| 238.502.10*             | 238.202.10*      | 80            | 10      |
| 238.502.11              | 238.202.11       | 100           | 10      |
| 238.502.12              | 238.202.12       | 125           | 10      |
| 238.502.13              | 238.202.13       | 150           | 10      |

\* Non DIN



## Funnel, Long stem *New*

- With 60° bowl angle for precise fitting of filter paper
- Manufactured from chemical and heat resistant borosilicate glass
- Stem length approximately 150mm

| Item Code   | Dia(mm) | Stem O.D. (mm) | To suit filter paper dia (mm) | Pack of |
|-------------|---------|----------------|-------------------------------|---------|
| 238.215.08  | 70      | 8              | 70-90                         | 6       |
| 238.215.10  | 80      | 10             | 90-150                        | 6       |
| 238.215.11A | 105     | 10             | 150-185                       | 6       |



## Funnel, Powder

- Made from ASTM E-438, TYPE-1, BORO 3.3 GLASS
- Available with cone



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| Item Code   | N/S Size | Approx Funnel Dia. (mm) | Pack of |
|-------------|----------|-------------------------|---------|
| 238.202.01P | 14/23    | 45                      | 10      |
| 238.202.02P | 14/23    | 70                      | 10      |
| 238.202.03P | 29/32    | 70                      | 10      |
| 238.202.04P | 29/32    | 80                      | 10      |
| 238.202.05P | 14/23    | 100                     | 10      |
| 238.202.06P | 29/32    | 100                     | 10      |

GLASS  
BORO  
3.3

BLUE  
PRINTING

Chemical  
Resistant



Buy Now!

## Funnel, Powder

- Made from ASTM E-438, TYPE-1, CLASS-A, BORO 3.3 GLASS
- Comes with fire polished rim and stem

| Item Code   | Top Diameter (mm) | Stem O.D. Max. mm | Pack of |
|-------------|-------------------|-------------------|---------|
| 238.404.06P | 60                | 20                | 6       |
| 238.404.08P | 80                | 25                | 6       |
| 238.404.10P | 100               | 25                | 6       |
| 238.404.12P | 125               | 30                | 2       |
| 238.404.15P | 150               | 31                | 2       |

GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

## Funnel, Analytical

- Made of Polypropylene

| Item Code  | Size (mm)                             | Pack of |
|------------|---------------------------------------|---------|
| 207.303.01 | 50mm, Inside 50, Stem Length 50, PP   | 72      |
| 207.303.02 | 62mm, Inside 62, Stem Length 67, PP   | 36      |
| 207.303.03 | 75mm, Inside 75, Stem Length 77, PP   | 36      |
| 207.303.04 | 100mm, Inside 100, Stem Length 95, PP | 36      |
| 207.303.05 | 35mm, Inside 35, Stem Length 37, PP   | 80      |



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## Funnel, Long Stem, Smooth Walls

- Made of Polypropylene
- 60° cone angle and external ribs to prevent air lock.
- Can also be steam autoclaved

| Item Code  | Size (mm) | I.D. (mm) | Stem Length (mm) | Pack of |
|------------|-----------|-----------|------------------|---------|
| 122.303.04 | 100       | 93        | 84               | 36      |
| 122.303.05 | 150       | 148       | 55               | 12      |



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# Funnels



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## Funnel, Powder

- Made of Polypropylene
- Used for transferring powdered reagent
- Unique parallel stem minimizes bridging of powder
- Autoclavable at 120°C

| Item Code  | O.D. (mm) | I.D. (mm) | Stem Length (mm) | Pack of |
|------------|-----------|-----------|------------------|---------|
| 210.303.01 | 70        | 65        | 22               | 36      |
| 210.303.02 | 85        | 78        | 30               | 36      |
| 210.303.03 | 107       | 100       | 33               | 36      |
| 210.303.04 | 153       | 145       | 30               | 12      |



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## Funnel, Industrial

- Made of Polypropylene
- Used for convenient filling of carboy's, drums & barrels

| Item Code  | Dia (mm) | Pack of |
|------------|----------|---------|
| 211.303.01 | 200      | 12      |
| 211.303.02 | 250      | 6       |

## Funnel, Buchner, With Sintered Disc

- Made from ASTM E 438 type-1, Class A Boro 3.3 glass
- Comes with fire polished rim and stem

| Item Code  | Capacity (ml) | Disc Dia (mm) | Porosity | Pack of |
|------------|---------------|---------------|----------|---------|
| 256.G00.01 | 35            | 30            | 0        | 2       |
| 256.G01.01 | 35            | 30            | 1        | 2       |
| 256.G02.01 | 35            | 30            | 2        | 2       |
| 256.G03.01 | 35            | 30            | 3        | 2       |
| 256.G04.01 | 35            | 30            | 4        | 2       |
| 256.G05.01 | 35            | 30            | 5        | 2       |
| 256.G00.02 | 80            | 40            | 0        | 2       |
| 256.G01.02 | 80            | 40            | 1        | 2       |
| 256.G02.02 | 80            | 40            | 2        | 2       |
| 256.G03.02 | 80            | 40            | 3        | 2       |
| 256.G04.02 | 80            | 40            | 4        | 2       |
| 256.G05.02 | 80            | 40            | 5        | 2       |
| 256.G00.03 | 200           | 65            | 0        | 2       |
| 256.G01.03 | 200           | 65            | 1        | 2       |
| 256.G02.03 | 200           | 65            | 2        | 2       |
| 256.G03.03 | 200           | 65            | 3        | 2       |
| 256.G04.03 | 200           | 65            | 4        | 2       |
| 256.G05.03 | 200           | 65            | 5        | 2       |
| 256.G00.04 | 500           | 90            | 0        | 2       |
| 256.G01.04 | 500           | 90            | 1        | 2       |
| 256.G02.04 | 500           | 90            | 2        | 2       |
| 256.G03.04 | 500           | 90            | 3        | 2       |
| 256.G04.04 | 500           | 90            | 4        | 2       |
| 256.G05.04 | 500           | 90            | 5        | 2       |
| 256.G00.05 | 1000          | 120           | 0        | 1       |
| 256.G01.05 | 1000          | 120           | 1        | 1       |
| 256.G02.05 | 1000          | 120           | 2        | 1       |
| 256.G03.05 | 1000          | 120           | 3        | 1       |
| 256.G04.05 | 1000          | 120           | 4        | 1       |
| 256.G05.05 | 1000          | 120           | 5        | 1       |



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## Sedimentation Imhoff Cone *New*

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 350.202.10 | 1000          | 1       |



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## Buchner Funnel, with Fritted Disc

- Made from ASTM E-438, TYPE-1, CLASS-A, BORO 3.3 GLASS
- Printed in white colour enamel
- Made from thick wall and comes with bitted rim



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| Item Code   | Capacity (ml) | Disc Dia | Ht. above Dist | Stem Length | Stem O.D. | Porosity | Pack of |
|-------------|---------------|----------|----------------|-------------|-----------|----------|---------|
| 256.C00.00A | 2             | 10       | 30             | 30          | 7         | Coarse   | 2       |
| 256.M00.00A | 2             | 10       | 30             | 30          | 7         | Medium   | 2       |
| 256.F00.00A | 2             | 10       | 30             | 30          | 7         | Fine     | 2       |
| 256.C00.00  | 15            | 20       | 45             | 75          | 8         | Coarse   | 2       |
| 256.M00.00  | 15            | 20       | 45             | 75          | 8         | Medium   | 2       |
| 256.F00.00  | 15            | 20       | 45             | 75          | 8         | Fine     | 2       |
| 256.C00.01  | 30            | 30       | 45             | 75          | 8         | Coarse   | 2       |
| 256.M00.01  | 30            | 30       | 45             | 75          | 8         | Medium   | 2       |
| 256.F00.01  | 30            | 30       | 45             | 75          | 8         | Fine     | 2       |
| 256.C00.02A | 60            | 40       | 50             | 75          | 10        | Coarse   | 2       |
| 256.M00.02A | 60            | 40       | 50             | 75          | 10        | Medium   | 2       |
| 256.F00.02A | 60            | 40       | 50             | 75          | 10        | Fine     | 2       |
| 256.C00.03B | 150           | 60       | 50             | 75          | 15        | Coarse   | 1       |
| 256.M00.03B | 150           | 60       | 50             | 75          | 15        | Medium   | 1       |
| 256.F00.03B | 150           | 60       | 50             | 75          | 15        | Fine     | 1       |
| 256.C00.03A | 350           | 80       | 75             | 75          | 20        | Coarse   | 1       |
| 256.M00.03A | 350           | 80       | 75             | 75          | 20        | Medium   | 1       |
| 256.F00.03A | 350           | 80       | 75             | 75          | 20        | Fine     | 1       |
| 256.C00.05  | 600           | 90       | 90             | 115         | 20        | Coarse   | 1       |
| 256.M00.05  | 600           | 90       | 90             | 115         | 20        | Medium   | 1       |
| 256.F00.05  | 600           | 90       | 90             | 115         | 20        | Fine     | 1       |
| 256.C00.06  | 2000          | 125      | 160            | 115         | 26        | Coarse   | 1       |
| 256.M00.06  | 2000          | 125      | 160            | 115         | 26        | Medium   | 1       |
| 256.C00.07  | 3000          | 150      | 170            | 115         | 26        | Coarse   | 1       |
| 256.M00.07  | 3000          | 150      | 170            | 115         | 26        | Medium   | 1       |

## Buchner Funnel, with Fritted Disc

- Funnels is made from ASTM 438, TYPE 1, CLASS-A, BORO 3.3 glass
- Funnels are made from thick wall and comes with bitted rim
- Printed in white colour enamel



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| Item Code    | Capacity (ml) | Cone Size | Porosity | Pack of |
|--------------|---------------|-----------|----------|---------|
| 257.C00.00   | 15            | 14/20     | Coarse   | 1       |
| 257.M00.00   | 15            | 14/20     | Medium   | 1       |
| 257.C00.01A  | 30            | 14/20     | Coarse   | 1       |
| 257.C00.01AB | 30            | 24/40     | Coarse   | 1       |
| 257.C00.02A  | 60            | 14/20     | Coarse   | 1       |
| 257.C00.02AB | 60            | 24/40     | Coarse   | 1       |
| 257.C00.03A  | 150           | 29/42     | Coarse   | 1       |
| 257.C00.03AB | 150           | 24/40     | Coarse   | 1       |
| 257.C00.00A  | 15            | 24/40     | Coarse   | 1       |
| 257.M00.01A  | 30            | 14/20     | Medium   | 1       |
| 257.M00.01AB | 30            | 24/40     | Medium   | 1       |
| 257.M00.02A  | 60            | 14/20     | Medium   | 1       |
| 257.M00.02AB | 60            | 24/40     | Medium   | 1       |
| 257.M00.03AB | 150           | 24/40     | Medium   | 1       |
| 257.M00.03B  | 350           | 24/40     | Medium   | 1       |

## Funnel, Buchner

- Made of Polypropylene
- Light weight
- Easy to clean & autoclavable
- Top portion snap fitted with the lower one forms a vacuum seal which requires no greasing
- Base of the top portion has perforated filter plate

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 123.303.01 | 70        | 12      |
| 123.303.02 | 110       | 6       |
| 123.303.03 | 90        | 6       |



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## Funnel, Buchner, Euro Design

- Made of Porcelain
- Temperature upto 1000°C

| Item Code  | Dia (mm) OD x H | Pack of |
|------------|-----------------|---------|
| 527.303.10 | 20 x 64         | 10      |
| 527.303.11 | 51 x 89         | 10      |
| 527.303.12 | 67 x 110        | 6       |
| 527.303.13 | 84 x 143        | 4       |
| 527.303.14 | 105 x 160       | 2       |
| 527.303.15 | 125 x 195       | 2       |
| 527.303.16 | 142 x 202       | 1       |
| 527.303.17 | 170 x 221       | 1       |
| 527.303.18 | 210 x 270       | 1       |



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# Funnels

Separating and Dropping Funnels are produced from ASTM E-438 TYPE-1 CLASS A BORO 3.3 heat resistant glass. All these Funnels are manufactures as per DIN ISO 4800 standard . The printing is done in white colour



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## Funnel, Separating, Squibb Shape with Glass Stopcock

- Compliance with ISO 4800 Standards
- Without Graduation
- With PE Stopper

| Item Code    | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|--------------|---------------|-------|-----------|---------------|---------|
| 147.202.02   | 50            | 19/26 | 2.5       | Solid Glass   | 1       |
| 147.202.02A* | 60            | 14/23 | 2.5       | Solid Glass   | 1       |
| 147.202.03   | 100           | 19/26 | 2.5       | Solid Glass   | 1       |
| 147.202.03A* | 125           | 19/26 | 2.5       | Solid Glass   | 1       |
| 147.202.04   | 250           | 29/32 | 4         | Solid Glass   | 1       |
| 147.202.05   | 500           | 29/32 | 4         | Solid Glass   | 1       |
| 147.202.06   | 1000          | 29/32 | 6         | Solid Glass   | 1       |
| 147.202.07   | 2000          | 29/32 | 6         | Solid Glass   | 1       |

\* Non DIN



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## Funnel, Separating, Squibb Shape, with Glass Stopcock

- Compliance with ISO 4800 Standards
- With Graduation
- With PE Stopper

| Item Code  | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|------------|---------------|-------|-----------|---------------|---------|
| 147.209.02 | 50            | 19/26 | 2.5       | Solid Glass   | 1       |
| 147.209.03 | 100           | 19/26 | 2.5       | Solid Glass   | 1       |
| 147.209.04 | 250           | 29/32 | 4         | Solid Glass   | 1       |
| 147.209.05 | 500           | 29/32 | 4         | Solid Glass   | 1       |
| 147.209.06 | 1000          | 29/32 | 6         | Solid Glass   | 1       |
| 147.209.07 | 2000          | 29/32 | 6         | Solid Glass   | 1       |

## Funnel, Separating, Squibb Shape, With Needle valve Stopcock

- Compliance with ISO 4800 Standards
- Without Graduation
- With PE Stopper
- Bore 0-3 mm

| Item Code    | Capacity (ml) | N/S   | Stopcock Type | Pack of |
|--------------|---------------|-------|---------------|---------|
| 148.202.02   | 50            | 19/26 | Needle Valve  | 1       |
| 148.202.02A* | 60            | 14/23 | Needle Valve  | 1       |
| 148.202.03   | 100           | 19/26 | Needle Valve  | 1       |
| 148.202.03A* | 125           | 19/26 | Needle Valve  | 1       |
| 148.202.04   | 250           | 29/32 | Needle Valve  | 1       |
| 148.202.05   | 500           | 29/32 | Needle Valve  | 1       |
| 148.202.06   | 1000          | 29/32 | Needle Valve  | 1       |
| 148.202.07   | 2000          | 29/32 | Needle Valve  | 1       |

\*Non DIN



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## Funnel, Separating, Squibb Shape

- Compliance with ISO 4800 Standards
- With Graduation
- With PE Stopper
- Bore 0-3 mm

| Item Code  | Capacity (ml) | N/S   | Stopcock Type | Pack of |
|------------|---------------|-------|---------------|---------|
| 148.209.02 | 50            | 19/26 | Needle Valve  | 1       |
| 148.209.03 | 100           | 19/26 | Needle Valve  | 1       |
| 148.209.04 | 250           | 29/32 | Needle Valve  | 1       |
| 148.209.05 | 500           | 29/32 | Needle Valve  | 1       |
| 148.209.06 | 1000          | 29/32 | Needle Valve  | 1       |
| 148.209.07 | 2000          | 29/32 | Needle Valve  | 1       |



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# Funnels



## Funnel, Separating, Squibb shape, With PTFE Stopcock

- Compliance with ISO 4800 Standards
- Without Graduation
- With PE Stopper



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| Item Code    | Capacity (ml) | N/S   | Stopcock Size | Bore Size | Pack of |
|--------------|---------------|-------|---------------|-----------|---------|
| 149.202.02   | 50            | 19/26 | PTFE          | 2.5       | 1       |
| 149.202.02A* | 60            | 14/23 | PTFE          | 2.5       | 1       |
| 149.202.03   | 100           | 19/26 | PTFE          | 2.5       | 1       |
| 149.202.03A* | 125           | 19/26 | PTFE          | 2.5       | 1       |
| 149.202.04   | 250           | 29/32 | PTFE          | 4         | 1       |
| 149.202.05   | 500           | 29/32 | PTFE          | 4         | 1       |
| 149.202.06   | 1000          | 29/32 | PTFE          | 6         | 1       |
| 149.202.07   | 2000          | 29/32 | PTFE          | 6         | 1       |

\* Non DIN



## Funnel, Separating, Squibb shape, With PTFE Stopcock

- Compliance with ISO 4800 Standards
- With Graduation
- With PE Stopper



Buy Now!

| Item Code  | Capacity (ml) | N/S   | Stopcock Type | Bore Size | Pack of |
|------------|---------------|-------|---------------|-----------|---------|
| 149.209.02 | 50            | 19/26 | PTFE          | 2.5       | 1       |
| 149.209.03 | 100           | 19/26 | PTFE          | 2.5       | 1       |
| 149.209.04 | 250           | 29/32 | PTFE          | 4         | 1       |
| 149.209.05 | 500           | 29/32 | PTFE          | 4         | 1       |
| 149.209.06 | 1000          | 29/32 | PTFE          | 6         | 1       |
| 149.209.07 | 2000          | 29/32 | PTFE          | 6         | 1       |

## Funnel, Separating, Pear (ISO Shape), With Glass Stopcock

- With PE Stopper
- Complies with ISO 4800 Standards

| Item Code    | Capacity (ml) | N/S   | Stopcock Type | Bore Size | Pack of |
|--------------|---------------|-------|---------------|-----------|---------|
| 150.202.02   | 50            | 19/26 | Solid Glass   | 2.5       | 1       |
| 150.202.03   | 100           | 19/26 | Solid Glass   | 2.5       | 1       |
| 150.204.03A* | 125           | 19/26 | Solid Glass   | 2.5       | 1       |
| 150.202.04   | 250           | 29/32 | Solid Glass   | 4         | 1       |
| 150.202.05   | 500           | 29/32 | Solid Glass   | 4         | 1       |
| 150.202.06   | 1000          | 29/32 | Solid Glass   | 6         | 1       |
| 150.202.07   | 2000          | 29/32 | Solid Glass   | 6         | 1       |

\* Non Din



Buy Now!



## Funnel, Separating, Pear (ISO Shape), With Needle Valve Stopcock

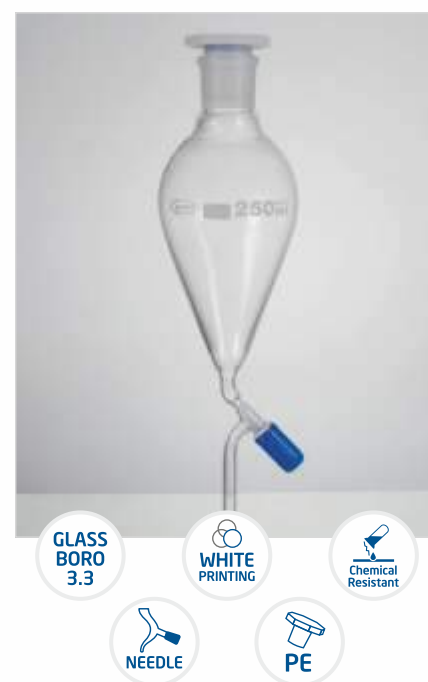
- With PE Stopper
- Complies with ISO 4800 Standards
- Bore 0-3 mm

| Item Code    | Capacity (ml) | N/S   | Stopcock Type | Pack of |
|--------------|---------------|-------|---------------|---------|
| 151.202.02   | 50            | 19/26 | Needle Valve  | 1       |
| 151.202.03   | 100           | 19/26 | Needle Valve  | 1       |
| 151.204.03A* | 125           | 19/26 | Needle Valve  | 1       |
| 151.202.04   | 250           | 29/32 | Needle Valve  | 1       |
| 151.202.05   | 500           | 29/32 | Needle Valve  | 1       |
| 151.202.06   | 1000          | 29/32 | Needle Valve  | 1       |
| 151.202.07   | 2000          | 29/32 | Needle Valve  | 1       |

\* Non Din



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# Funnels



## Funnel, Separating, Pear (ISO Shape), With PTFE Stopcock

- With PE Stopper
- Complies with ISO 4800 Standards



Buy Now!

| Item Code    | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|--------------|---------------|-------|-----------|---------------|---------|
| 152.202.02   | 50            | 19/26 | 2.5       | PTFE          | 1       |
| 152.202.03   | 100           | 19/26 | 2.5       | PTFE          | 1       |
| 152.202.03A* | 125           | 19/26 | 2.5       | PTFE          | 1       |
| 152.202.04   | 250           | 29/32 | 4         | PTFE          | 1       |
| 152.202.05   | 500           | 29/32 | 4         | PTFE          | 1       |
| 152.202.06   | 1000          | 29/32 | 6         | PTFE          | 1       |
| 152.202.07   | 2000          | 29/32 | 6         | PTFE          | 1       |

\* Non Din



## Funnel, Dropping, Cylindrical, With Glass Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With PE Stopper
- Complies with ISO 4800 Standards



Buy Now!

| Item Code   | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|-------------|---------------|-------|-----------|---------------|---------|
| 154.203.02  | 50            | 14/23 | 2.5       | Solid Glass   | 1       |
| 154.204.02* | 50            | 29/32 | 2.5       | Solid Glass   | 1       |
| 154.203.03  | 100           | 14/23 | 2.5       | Solid Glass   | 1       |
| 154.204.03* | 100           | 29/32 | 2.5       | Solid Glass   | 1       |
| 154.202.04  | 250           | 29/32 | 4         | Solid Glass   | 1       |
| 154.202.05  | 500           | 29/32 | 4         | Solid Glass   | 1       |
| 154.202.06  | 1000          | 29/32 | 6         | Solid Glass   | 1       |

\* Non Din

## Funnel, Dropping, Cylindrical, With Needle Valve Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- Available with PE Stopper
- Complies with ISO 4800 Standards
- Bore 0-3mm

| Item Code  | Capacity (ml) | N/S   | Stopcock Type | Pack of |
|------------|---------------|-------|---------------|---------|
| 156.203.02 | 50            | 14/23 | Needle Valve  | 1       |
| 156.204.02 | 50            | 29/32 | Needle Valve  | 1       |
| 156.203.03 | 100           | 14/23 | Needle Valve  | 1       |
| 156.204.03 | 100           | 29/32 | Needle Valve  | 1       |
| 156.202.04 | 250           | 29/32 | Needle Valve  | 1       |
| 156.202.05 | 500           | 29/32 | Needle Valve  | 1       |
| 156.202.06 | 1000          | 29/32 | Needle Valve  | 1       |



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## Funnel, Dropping, Cylindrical, With PTFE Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With PE Stopper
- Complies with ISO 4800 Standards

| Item Code   | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|-------------|---------------|-------|-----------|---------------|---------|
| 158.203.02  | 50            | 14/23 | 2.5       | PTFE          | 1       |
| 158.204.02* | 50            | 29/32 | 2.5       | PTFE          | 1       |
| 158.203.03  | 100           | 14/23 | 2.5       | PTFE          | 1       |
| 158.204.03* | 100           | 29/32 | 2.5       | PTFE          | 1       |
| 158.202.04  | 250           | 29/32 | 4         | PTFE          | 1       |
| 158.202.05  | 500           | 29/32 | 4         | PTFE          | 1       |
| 158.202.06  | 1000          | 29/32 | 6         | PTFE          | 1       |

\* Non DIN



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## Funnel, Dropping, Gilson, With Glass Stopcock

- With PE Stopper



Buy Now!

| Item Code  | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|------------|---------------|-------|-----------|---------------|---------|
| 159.202.01 | 50            | 19/26 | 2.5       | Solid Glass   | 1       |
| 159.202.02 | 100           | 19/26 | 2.5       | Solid Glass   | 1       |
| 159.202.03 | 250           | 29/32 | 4         | Solid Glass   | 1       |
| 159.202.04 | 500           | 29/32 | 4         | Solid Glass   | 1       |
| 159.202.05 | 1000          | 29/32 | 6         | Solid Glass   | 1       |
| 159.202.06 | 2000          | 29/32 | 6         | Solid Glass   | 1       |



## Funnel, Dropping, Gilson, With PTFE Stopcock

- Available with PE Stopper



Buy Now!

| Item Code  | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|------------|---------------|-------|-----------|---------------|---------|
| 160.202.01 | 50            | 19/26 | 2.5       | PTFE          | 1       |
| 160.202.02 | 100           | 19/26 | 2.5       | PTFE          | 1       |
| 160.202.03 | 250           | 29/32 | 4         | PTFE          | 1       |
| 160.202.04 | 500           | 29/32 | 4         | PTFE          | 1       |
| 160.202.05 | 1000          | 29/32 | 6         | PTFE          | 1       |
| 160.202.06 | 2000          | 29/32 | 6         | PTFE          | 1       |

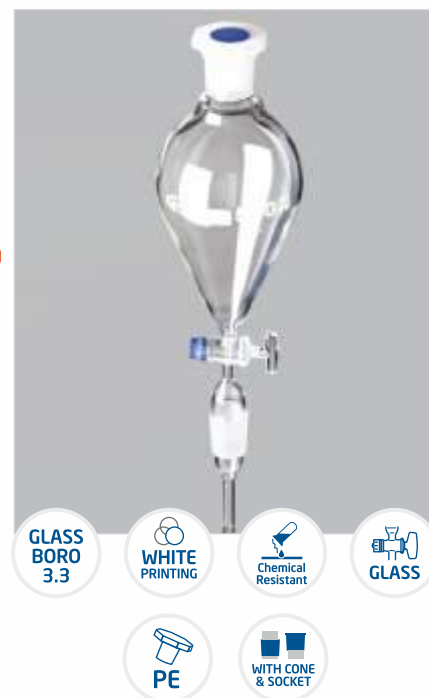
## Funnel, Separating, Pear shape, With Glass Stopcock

- Available with PE Stopper
- With cone & stem

| Item Code  | Capacity (ml) | Socket & Cone N/S | Bore (mm) | Stopcock Type | Pack of |
|------------|---------------|-------------------|-----------|---------------|---------|
| 162.202.03 | 50            | 19/26             | 2.5       | Solid Glass   | 1       |
| 162.202.05 | 100           | 19/26             | 2.5       | Solid Glass   | 1       |
| 162.204.06 | 250           | 29/32             | 4         | Solid Glass   | 1       |
| 162.204.08 | 500           | 29/32             | 4         | Solid Glass   | 1       |
| 162.204.11 | 1000          | 29/32             | 6         | Solid Glass   | 1       |



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GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

GLASS

PE

WITH CONE  
& SOCKET

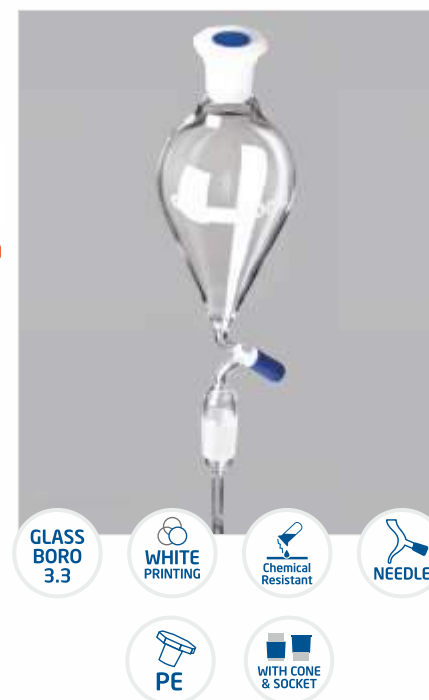
## Funnel, Separating, Pear shape, With Needle Valve Stopcock

- Available with PE Stopper
- With cone & stem
- Bore 0-3 mm

| Item Code  | Capacity (ml) | Socket & Cone N/S | Stopcock Type | Pack of |
|------------|---------------|-------------------|---------------|---------|
| 163.202.03 | 50            | 19/26             | Needle Valve  | 1       |
| 163.202.05 | 100           | 19/26             | Needle Valve  | 1       |
| 163.204.06 | 250           | 29/32             | Needle Valve  | 1       |
| 163.204.08 | 500           | 29/32             | Needle Valve  | 1       |
| 163.204.11 | 1000          | 29/32             | Needle Valve  | 1       |



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GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

NEEDLE

PE

WITH CONE  
& SOCKET





## Funnel, Separating, Pear shape, With PTFE Stopcock

- With PE Stopper
- With Cone & Stem



Buy Now!

| Item Code  | Capacity (ml) | Socket & Cone N/S | Bore (mm) | Stopcock Type | Pack of |
|------------|---------------|-------------------|-----------|---------------|---------|
| 164.202.03 | 50            | 19/26             | 2.5       | PTFE          | 1       |
| 164.202.05 | 100           | 19/26             | 2.5       | PTFE          | 1       |
| 164.204.06 | 250           | 29/32             | 4         | PTFE          | 1       |
| 164.204.08 | 500           | 29/32             | 4         | PTFE          | 1       |
| 164.204.11 | 1000          | 29/32             | 6         | PTFE          | 1       |



## Funnel, Separating, Pear Shape, With Glass Stopcock

- with stem inside cone



Buy Now!

| Item Code  | Capacity (ml) | Socket & Cone N/S | Bore (mm) | Stopcock Type | Pack of |
|------------|---------------|-------------------|-----------|---------------|---------|
| 162.210.03 | 50            | 19/26             | 2.5       | Solid Glass   | 1       |
| 162.210.05 | 100           | 19/26             | 2.5       | Solid Glass   | 1       |
| 162.210.06 | 250           | 29/32             | 4         | Solid Glass   | 1       |
| 162.210.08 | 500           | 29/32             | 4         | Solid Glass   | 1       |
| 162.210.10 | 1000          | 29/32             | 6         | Solid Glass   | 1       |

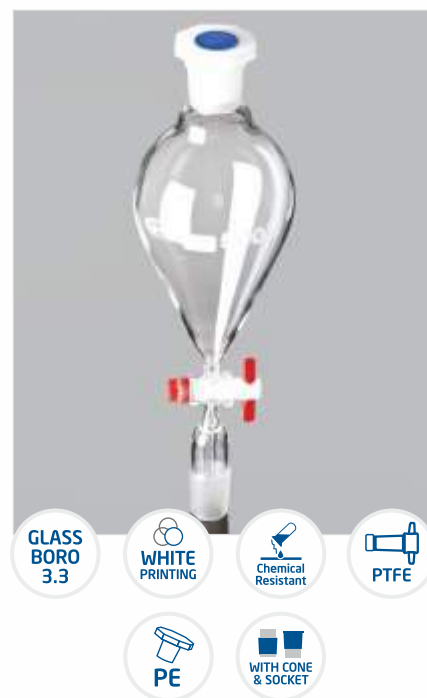
## Funnel, Separating, Pear Shape, With PTFE Stopcock

- with stem inside cone

| Item Code  | Capacity (ml) | Socket & Cone N/S | Bore (mm) | Stopcock Type | Pack of |
|------------|---------------|-------------------|-----------|---------------|---------|
| 164.210.03 | 50            | 19/26             | 2.5       | PTFE          | 1       |
| 164.210.05 | 100           | 19/26             | 2.5       | PTFE          | 1       |
| 164.210.06 | 250           | 29/32             | 4         | PTFE          | 1       |
| 164.210.08 | 500           | 29/32             | 4         | PTFE          | 1       |
| 164.210.10 | 1000          | 29/32             | 6         | PTFE          | 1       |



Buy Now!



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

PTFE

PE

WITH CONE & SOCKET

## Funnel, Separating, Cylindrical, With Glass Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With PE Stopper
- With Cone & Stem

| Item Code    | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|--------------|---------------|-------|-----------|---------------|---------|
| 165.202.02   | 50            | 14/23 | 2.5       | Solid Glass   | 1       |
| 165.202.02A* | 50            | 29/32 | 2.5       | Solid Glass   | 1       |
| 165.202.03   | 100           | 14/23 | 2.5       | Solid Glass   | 1       |
| 165.202.03A* | 100           | 29/32 | 2.5       | Solid Glass   | 1       |
| 165.202.05A  | 250           | 29/32 | 4         | Solid Glass   | 1       |
| 165.202.06A  | 500           | 29/32 | 4         | Solid Glass   | 1       |
| 165.202.07A  | 1000          | 29/32 | 6         | Solid Glass   | 1       |



Buy Now!



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

GLASS

PE

WITH CONE & SOCKET

\* Non DIN



## Funnel, Separating, Cylindrical, With Needle Valve Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With PE Stopper
- With cone & stem



Buy Now!

| Item Code    | Capacity (ml) | N/S   | Stopcock Type | Pack of |
|--------------|---------------|-------|---------------|---------|
| 166.202.02   | 50            | 14/23 | Needle Valve  | 1       |
| 166.202.02A* | 50            | 29/32 | Needle Valve  | 1       |
| 166.202.03   | 100           | 14/23 | Needle Valve  | 1       |
| 166.202.03A* | 100           | 29/32 | Needle Valve  | 1       |
| 166.202.05A  | 250           | 29/32 | Needle Valve  | 1       |
| 166.202.06A  | 500           | 29/32 | Needle Valve  | 1       |
| 166.202.07A  | 1000          | 29/32 | Needle Valve  | 1       |

\* Non DIN



## Funnel, Separating, Cylindrical, With PTFE Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With PE Stopper
- With cone & stem



Buy Now!

| Item Code    | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|--------------|---------------|-------|-----------|---------------|---------|
| 167.202.02   | 50            | 14/23 | 2.5       | PTFE          | 1       |
| 167.202.02A* | 50            | 29/32 | 2.5       | PTFE          | 1       |
| 167.202.03   | 100           | 14/23 | 2.5       | PTFE          | 1       |
| 167.202.03A* | 100           | 29/32 | 2.5       | PTFE          | 1       |
| 167.202.05A  | 250           | 29/32 | 4         | PTFE          | 1       |
| 167.202.06A  | 500           | 29/32 | 4         | PTFE          | 1       |
| 167.202.07A  | 1000          | 29/32 | 6         | PTFE          | 1       |

\* Non DIN

## Funnel, Dropping, Cylindrical, Graduated, With Glass Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With stem inside cone
- Complies with DIN 4800 Standards
- With PE Stopper

| Item Code    | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|--------------|---------------|-------|-----------|---------------|---------|
| 165.210.02   | 50            | 14/23 | 2.5       | Solid Glass   | 1       |
| 165.210.02A* | 50            | 29/32 | 2.5       | Solid Glass   | 1       |
| 165.210.03   | 100           | 14/23 | 2.5       | Solid Glass   | 1       |
| 165.210.03A* | 100           | 29/32 | 2.5       | Solid Glass   | 1       |
| 165.210.05   | 250           | 29/32 | 4         | Solid Glass   | 1       |
| 165.210.06   | 500           | 29/32 | 4         | Solid Glass   | 1       |
| 165.210.07   | 1000          | 29/32 | 6         | Solid Glass   | 1       |

\* Non DIN



Buy Now!



## Funnel, Dropping, Cylindrical, Graduated, With PTFE Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With stem inside cone
- Complies with DIN 4800 Standards
- With PE Stopper

| Item Code    | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|--------------|---------------|-------|-----------|---------------|---------|
| 167.210.02   | 50            | 14/23 | 2.5       | PTFE          | 1       |
| 167.210.02A* | 50            | 29/32 | 2.5       | PTFE          | 1       |
| 167.210.03   | 100           | 14/23 | 2.5       | PTFE          | 1       |
| 167.210.03A* | 100           | 29/32 | 2.5       | PTFE          | 1       |
| 167.210.05   | 250           | 29/32 | 4         | PTFE          | 1       |
| 167.210.06   | 500           | 29/32 | 4         | PTFE          | 1       |
| 167.210.07   | 1000          | 29/32 | 6         | PTFE          | 1       |

\* Non DIN



Buy Now!





- 
- 
- 
- 
- 
- 



Buy Now!

## Funnel, Pressure Equalizing, Cylindrical

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With Stem inside cone

| Item Code   | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|-------------|---------------|-------|-----------|---------------|---------|
| 168.202.01  | 50            | 14/23 | 2.5       | Solid Glass   | 1       |
| 168.202.01A | 50            | 29/32 | 2.5       | Solid Glass   | 1       |
| 168.202.02A | 100           | 14/23 | 2.5       | Solid Glass   | 1       |
| 168.202.03A | 100           | 29/32 | 2.5       | Solid Glass   | 1       |
| 168.202.04A | 250           | 29/32 | 4         | Solid Glass   | 1       |
| 168.202.05A | 500           | 29/32 | 4         | Solid Glass   | 1       |



- 
- 
- 
- 
- 
- 



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## Funnel, Pressure Equalizing, Cylindrical

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With Stem inside cone

| Item Code   | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|-------------|---------------|-------|-----------|---------------|---------|
| 169.202.01  | 50            | 14/23 | 2.5       | PTFE          | 1       |
| 169.202.01A | 50            | 29/32 | 2.5       | PTFE          | 1       |
| 169.202.02A | 100           | 14/23 | 2.5       | PTFE          | 1       |
| 169.202.03A | 100           | 29/32 | 2.5       | PTFE          | 1       |
| 169.202.04A | 250           | 29/32 | 4         | PTFE          | 1       |
| 169.202.05A | 500           | 29/32 | 4         | PTFE          | 1       |

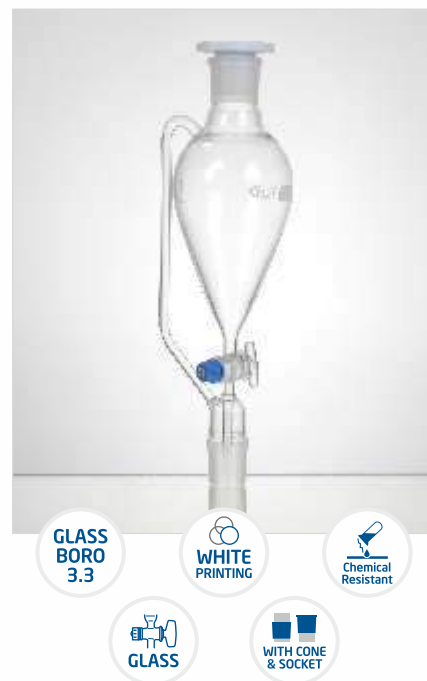
## Funnels, Pressure Equalizing, Pear Shape

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With Stem inside cone

| Item Code   | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|-------------|---------------|-------|-----------|---------------|---------|
| 170.202.01  | 50            | 14/23 | 2.5       | Solid Glass   | 1       |
| 170.202.02A | 100           | 14/23 | 2.5       | Solid Glass   | 1       |
| 170.202.04A | 250           | 29/32 | 4         | Solid Glass   | 1       |
| 170.202.05A | 500           | 29/32 | 4         | Solid Glass   | 1       |



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GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

GLASS

WITH CONE  
& SOCKET

## Funnel, Dropping, Pear Shape

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With stem inside cone

| Item Code   | Capacity (ml) | N/S   | Bore (mm) | Stopcock Type | Pack of |
|-------------|---------------|-------|-----------|---------------|---------|
| 171.202.01  | 50            | 14/23 | 2.5       | PTFE          | 1       |
| 171.202.02A | 100           | 14/23 | 2.5       | PTFE          | 1       |
| 171.202.04A | 250           | 29/32 | 4         | PTFE          | 1       |
| 171.202.05A | 500           | 29/32 | 4         | PTFE          | 1       |



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DIN  
4800

GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

PTFE

WITH CONE  
& SOCKET



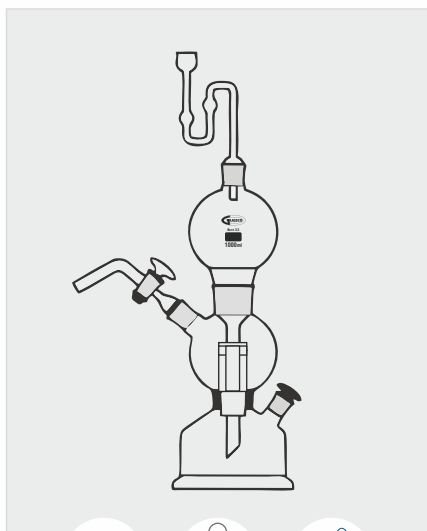
## Funnel, Separatory

- Made of Polypropylene
- Provides excellent contact clarity & Strength
- Is per shaped & autoclavable
- Has leakproof screw cap threaded
- PP stopcock fit ted with self lubricating PTFE plug, is push fitted to the stem of funnels



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| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 181.303.01 | 100           | 2       |
| 181.303.02 | 250           | 2       |
| 181.303.03 | 500           | 2       |



## Gas Generator, Kipp's Apparatus

- Manufactured from 3.3 Borosilicate glass for corrosion-free performance
- Produce common gases
- User-friendly



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| Item Code  | Extractor Length mm | Pack of |
|------------|---------------------|---------|
| 497.202.01 | 500                 | 1       |
| 497.202.02 | 1000                | 1       |

## Funnel, Separatory, Holder

- Made of Polypropylene
- Non-corrosive front opening provides clear view of the solution, Allows unobstructed placement of separating funnels
- Two tapped wedges ensures firm grip on rods having dia 1/2" or 3/5"

| Item Code  | Type                    | Pack of |
|------------|-------------------------|---------|
| 114.303.01 | Separator Funnel Holder | 12      |



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## Funnel, Holder

- Made of Polypropylene
- Are corrosion free
- Can hold funnels with dia 3" to 6"
- Extra plate provided can be placed to hold funnels bearing dia 1" to 3"
- Two tapered wedges ensure firm grip on Rods having dia 1/2" or 3/8"

| Item Code  | Type          | Pack of |
|------------|---------------|---------|
| 113.303.01 | Funnel Holder | 12      |



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A Glass Apart



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www.danlogitech.com



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**5 TIMES CAPEXIL AWARD WINNERS**

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Known for simplicity  
& unique adaptations  
**3 DESIGN  
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**MANPOWER**  
EMPLOYEES 950+



**INDIAN ENGINEERING**  
Affordable Technology & Software  
**Labs-Connect™ BlackDiamond™**



**IDEAS**  
which provoke competitors to think a step  
ahead inbuilt temp probe, C°/F° Selection

**CeraClick-System™**



**WORLDWIDE PRESENCE**  
in over 83 Countries

**USP | DIN | ASTM | ISO**

**DAN LOGITECH INSTRUMENTS PVT. LTD.**

## GLASS CERAMIC TOP CeraClick-System™

### Magnetic Stirrer with Hotplate

- Powerful 1300 W heater, biggest in class, gives results quickly
- Supplied with Accessories, Probe based thermal control best for direct media temperature control, pH electrode for pH based alarms
- PU Coated Aluminium Alloy Moulded Construction
- Highly scratch and chemical resistant Top
- Even heat distribution on surface of Top
- Large top plate to assist beaker upto 5000 ml
- High Magnetic strength
- Single multi-turn intelligent knob operation
- User settable High temperature cutoff and hard wired cutoff
- Selection of Celsius and Fahrenheit
- Selection of hot plate and probe temperature
- High temperature upto 550°C possible
- Thermal insulation for cool body operation
- Installed with double temperature sensors for safety & fail safe operating mechanism
- Inclusive PT 100 temperature sensor probe
- Digital set up temperature controller with independent LED display
- DIN connector for external temperature probe
- Error code display
- 7X7 inch Glass Cera top supports large vessels upto 5 Ltr.
- CERA click quick removal of top plate.
- WIFI variant adds value labs connect useful for private non pharma labs

| Item Code   | Volt | Hz | Watts |
|-------------|------|----|-------|
| 500.DNAG.01 | 230  | 50 | 1300  |
| 500.DNAG.02 | 115  | 60 | 1300  |



Buy Now!



500.DNAG

#### Included Accessories:

| Item Code  | Accessories                                |
|------------|--|
| 550.500.01 | Rod Stainless Steel length 500 mm, Ø 12 mm |
| 550.500.02 | Magnetic Stirring bar 25 mm x 8.25 mm      |
| 550.500.03 | PT 100 sensor probe                        |
| 550.500.04 | Clamp with Boss head                       |

#### Extra Accessories:

| Item Code  | Accessories             |
|------------|-------------------------|
| 550.500.05 | Glass Ceramic top plate |
| 550.500.06 | Knobs                   |

### Technical Specification :

|                               |                         |
|-------------------------------|-------------------------|
| Heating Plate Material        | Glass Ceramic Top Plate |
| Dimension of Heating Plate    | 180 mm x 180 mm         |
| Two display windows for       | Temperature and RPM     |
| Speed Range                   | ~2000 RPM               |
| Heat Output                   | 1300 W                  |
| Temperature Range             | Ambient to 550°C        |
| Adjustable safety cut off     | 580°C                   |
| Control accuracy of sensor    | ± 1K                    |
| Weight of body                | 5.2 kgs                 |
| Permissible ambient Temp.     | 5 - 40°C                |
| Permissible relative moisture | 80%                     |
| USB Port                      | Yes (For Programming)   |
| Dimensions of Hot Plate Body  | 378x220x103             |
| IP Class                      | 21                      |

#### A) Innovative Spill away (Patent Pending) :



#### B) Innovative CeraClick-System™ (Patent Pending):

##### Replacing of Glass Ceramic Plate



HEAT  
1300W



STIR  
2000 RPM



HEAT/STIR  
SELECTION



CELSIUS TO  
FAHRENHEIT



TEMPERATURE  
Upto 550°C



PLATE/ PROBE  
SELECTION



## MAGNETIC STIRRER WITH HOTPLATE DIGITAL & PRO

- Powerful 1300 W heater, biggest in class, gives results quickly.
- Supplied with Accessories, Probe based thermal control best for direct media temperature control, pH electrode for pH based alarms.
- 7X7 inch Glass Cera top supports large vessels upto 5 Ltr.
- CERA click quick removal of top plate.
- WIFI variant adds value labs connect useful for private non pharma labs.

### RELIABILITY

- Hot Top warning, UL/CSA certified, very safe for users.
- Precise, microcontroller-based temperature control in both C & F
- Indicates errors automatically in Display.
- Interface easy to use and rugged against spillages. Patented spill away design

### DURABILITY

- PU coated body, made from AL Alloy gives infinite rust/damage free life.
- Can carry 20 KG weight. Rugged Motor withstands all voltage fluctuations.

### SERVICABILITY & SUPPORT

- Patented Cera Click system for quick service.
- Made in India... Tech support and Spares readily supported.
- Low down times. Value for investment



500.DNDG

| Item Code   | Volt | Hz | Watts |
|-------------|------|----|-------|
| 500.DNDG.01 | 230  | 50 | 1300  |
| 500.DNDG.02 | 115  | 60 | 1300  |



Buy Now!

#### Included Accessories:

| Item Code  | Accessories                                |
|------------|--|
| 550.500.01 | Rod Stainless Steel length 500 mm, Ø 12 mm |
| 550.500.02 | Magnetic Stirring bar 25 mm x 8.25 mm      |
| 550.500.03 | PT 100 sensor probe                        |
| 550.500.04 | Clamp with Boss head                       |

#### Extra Accessories:

| Item Code  | Accessories             |
|------------|-------------------------|
| 550.500.05 | Glass Ceramic top plate |
| 550.500.06 | Knobs                   |

### Technical Specification :

|                               |                         |
|-------------------------------|-------------------------|
| Heating Plate Material        | Glass Ceramic Top Plate |
| Dimension of Heating Plate    | 180 mm x 180 mm         |
| Two display windows for       | Temperature and RPM     |
| Speed Range                   | ~2000 RPM               |
| Heat Output                   | 1300 W                  |
| Temperature Range             | Ambient to 550°C        |
| Adjustable safety cut off     | 580°C                   |
| Control accuracy of sensor    | ± 1K                    |
| Weight of body                | 5.2 kgs                 |
| Permissible ambient Temp.     | 5 - 40°C                |
| Permissible relative moisture | 80%                     |
| USB Port                      | Yes (For Programming)   |
| Dimensions of Hot Plate Body  | 378x220x103             |
| IP Class                      | 21                      |

#### A) Innovative Spill away (Patent Pending) :



#### B) Innovative CeraClick-System™ (Patent Pending):

##### Replacing of Glass Ceramic Plate



HEAT  
1300W



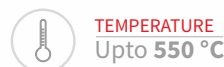
STIR  
2000 RPM



HEAT/STIR  
SELECTION



CELSIUS TO  
FAHRENHEIT



TEMPERATURE  
Upto 550°C



PLATE/ PROBE  
SELECTION



## CERAMIC COATED STAINLESS STEEL TOP

### Magnetic Stirrer with Hotplate - Digital

- Powerful 650W Heater Heat Evenly, rapidly & given result quickly
- PU Coated Aluminium Alloy Moulded Construction
- Auto Power "ON" possible
- Ceramic coated top plate, chemically resistant and scratch resistant
- Even heat distribution
- Large top plate to assist beakers upto 2000 ml
- Single multi-turn intelligent knob Operation
- High magnetic strength
- Digital set up with independent displays
- Selection of Celsius or Fahrenheit
- Selection of hot plate or probe temperature control.
- Settable safety cut-off for maximum temperature limit for top plate or probe
- Installed with double PT sensors for safety & fail safe operating mechanism
- Only with Battery for domestic
- Inclusive PT 100 temperature sensor probe
- Digital setup of RPM with independent display
- Digital setup of time with independent display
- Count-up indication of minutes and hours
- Audible alarm at time cycle end for safety and ease of unsupervised operation
- Error code display for failures



900.DNDG

| Item Code   | Volt | Hz | Watts | Top Plate                                    |
|-------------|------|----|-------|--|
| 900.DNDG.01 | 230  | 50 | 650   | Polished Stainless Steel with Ceramic Coated |
| 900.DNDG.02 | 115  | 60 | 650   | Polished Stainless Steel with Ceramic Coated |



Buy Now!

### Technical Specification :

|                               |                                |
|-------------------------------|--------------------------------|
| Heating Plate Material        | Ceramic Coated Stainless Steel |
| Dimension of Heating Plate    | Ø 150 mm                       |
| Three display windows for     | Temp., RPM and Time            |
| Speed Range                   | 50-1500 RPM                    |
| Maximum Stirring bar Length   | upto 80mm bar (at lower speed) |
| Temperature Range             | Ambient to 350°C Approx.       |
| Adjustable safety cut off     | 50-400°C                       |
| Control accuracy of PT 100    | ± 1K                           |
| Weight of body                | 3.2 kgs                        |
| Dimension of Hot Plate        | 273x160x102mm                  |
| Permissible ambient Temp.     | 5-40°C                         |
| Permissible relative moisture | 80%                            |
| RS 232 Interface              | Yes (For Programming)          |
| Weight of Capacity            | 30 Ltr                         |
| IP Class                      | 32                             |

### Included Accessories:

| Item Code  | Accessories                                |
|------------|--|
| 850.800.01 | Rod Stainless Steel length 400 mm, Ø 12 mm |
| 850.800.02 | Magnetic Stirring bar 35 mm x 8 mm         |
| 850.800.03 | Moulded PT 100 sensor probe                |
| 850.800.04 | Boss head                                  |



HEAT  
650W



STIR  
1500 RPM



TIMER  
00:01-99:59



HEAT/STIR/TIME  
KNOB



CELSIUS TO  
FAHRENHEIT



TEMPERATURE  
Upto 350 °C



PLATE/ PROBE  
SELECTION



## ALUMINIUM ALLOY CERAMIC COATED TOP

### Magnetic Stirrer with Hotplate - Digital

- Powerful 650W Heater Heat Evenly, rapidly & given result quickly
- PU Coated Aluminium Alloy Moulded Construction
- Auto Power "ON" possible
- Chemically resistant keypad
- Even heat distribution at faster rate
- Thermal insulation for cool body operation
- Digital set up temperature controller with independent LED display
- Set safety cut-off for maximum temperature limit for top plate or probe
- Installed with double PT sensors for fail safe operating mechanism
- Only with Battery for domestic
- Inclusive PT 100 temperature sensor probe
- Audible alarm at time cycle end for safety and ease of unsupervised operation
- Top plate Ø 145 mm to assist beaker upto 2000 ml & Adapter.
- Compatible for use with all major brands top assemblies 1 Cavity, 3 Cavities or Multiple Cavities
- Digital setup of time with independent LED display
- Selection of plate and probe temperature
- Error code display for failures
- Digital setup of RPM with independent LED display
- Count-up indication of minutes and hours
- Single multi-turn intelligent knob Operation
- Selection of Celsius and Fahrenheit
- High magnetic strength



610.DNDG



Buy Now!

| Item Code   | Volt | Hz | Watts | Top Plate               |
|-------------|------|----|-------|-------------------------|
| 610.DNDG.01 | 230  | 50 | 650   | Aluminum Ceramic Coated |
| 610.DNDG.02 | 115  | 60 | 650   | Aluminum Ceramic Coated |

\* Above price exclude aluminum flask adapter

### Technical Specification :

|                               |                                      |
|-------------------------------|--------------------------------------|
| Heating Plate Material        | Aluminium Alloy with Ceramic Coating |
| Dimension of Heating Plate    | Ø 145 mm                             |
| Three display windows for     | Temp., RPM and Time                  |
| Speed Range                   | 50-1500 RPM                          |
| Maximum Stirring bar Length   | upto 80mm bar (at lower speed)       |
| Temperature Range             | Ambient to 350°C                     |
| Adjustable safety cut off     | 50-400°C                             |
| Control accuracy of PT 100    | ± 1K                                 |
| Weight of body                | 3.1 kgs                              |
| Dimension of Hot Plate        | 273x160x102mm                        |
| Permissible ambient Temp.     | 5-40°C                               |
| Permissible relative moisture | 80%                                  |
| RS 232 Interface              | Yes (For Programming)                |
| Weight of Capacity            | 30 Ltr                               |
| IP Class                      | 32                                   |



10 ml

25 ml

50 ml

100 ml

#### Included Accessories:

| Item Code  | Accessories                                |
|------------|--|
| 850.800.01 | Rod Stainless Steel length 400 mm, Ø 12 mm |
| 850.800.02 | Magnetic Stirring bar 35 mm x 8 mm         |
| 850.800.03 | Moulded PT 100 sensor probe                |
| 850.800.04 | Boss head                                  |

| Item Code | Accessory (Aluminum Adapter for Round Bottom Flasks)<br>Flask Capacity (ml) | Places |
|-----------|---|--------|
| 610.ADP00 | 10 ml   | 8      |
| 610.ADP01 | 25 ml   | 7      |
| 610.ADP02 | 50 ml   | 4      |
| 610.ADP03 | 100 ml  | 1      |



HEAT  
650W



STIR  
1500 RPM



TIMER  
00:01-99:59



HEAT/STIR/TIME  
KNOB



CELSIUS TO  
FAHRENHEIT



TEMPERATURE  
Upto 350 °C



PLATE/ PROBE  
SELECTION



## STAINLESS STEEL CERAMIC COATED TOP

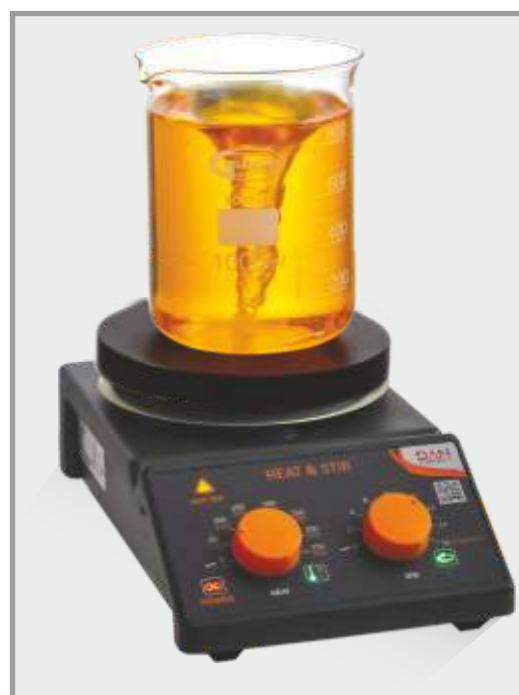
### Magnetic Stirrer with Hotplate - Analog

- PU Coated Aluminium Alloy Moulded Construction
- Easy temperature & Stir controls
- Installed with Safety PT sensor for fail safe operation.
- Hot top indicator for temperatures above 50°C.
- Large top plate to assist beakers upto 2000 ml.
- High magnetic strength.
- Electronic variable speed control with Knob for display.
- Knob for regulating variable temperature.
- Heat reach Indicator, To ensure you correct temperature of plate surface.
- Stirring & temperature indicator
- Error indicators for heat & Stir function inbuilt trouble shoot

| Item Code   | Volt | Hz | Watts | Top Plate               |
|-------------|------|----|-------|-------------------------|
| 710.DNAG.01 | 230  | 50 | 650   | SS Ceramic Coated       |
| 610.DNAG.01 | 230  | 50 | 650   | Aluminum Ceramic Coated |
| 710.DNAG.02 | 115  | 60 | 650   | SS Ceramic Coated       |
| 610.DNAG.02 | 115  | 60 | 650   | Aluminum Ceramic Coated |



Buy Now!



**710.DNAG**

### Technical Specification :

|                                 |  |
|---------------------------------|--|
| Heating Mantle Material         | : Stainless Steel 304 Grade with Ceramic Coating/Aluminum Alloy with Ceramic Coating |
| Dimension of heating plate      | : Ø145 (For 610DNDG)   Ø150 (For 710DNAG)  |
| Speed range                     | : 50-1600 RPM  |
| Maximum stirring bar Length     | : Can use upto 80 mm bar<br>(at lower speed)   |
| Temperature Range               | : Ambient to 350°C approx  |
| Dimensions of hot plate body    | : 273x160x102mm  |
| Weight of body                  | : 3.0 kgs  |
| Permissible ambient Temperature | : 5- 40 °C   |
| Permissible relative moisture   | : 80%  |
| Weight of Capacity              | : 30 Ltr   |
| IP Class                        | : 22   |

### Included Accessory:

| Cat. No.   | Accessories                        |
|------------|------------------------------------|
| 850.800.02 | Magnetic Stirring bar 35 mm x 8 mm |



HEAT  
650W



STIR  
1600 RPM



HEAT/STIR  
SELECTION



CELSIUS TO  
FAHRENHEIT



TEMPERATURE  
Upto 350 °C





## STAINLESS STEEL TOP *New*

### Hotplate - Analog

- Powerful 650W Heater Heat Evenly, rapidly & given result quickly
- PU Coated Aluminium Alloy Moulded Construction
- Auto Power "ON" possible
- Easy Temperature control
- Hot top indicator for temperatures above 50°C
- Large top plate to assist beakers upto 2000 ml
- Heat reach Indicator, To ensure you correct temperature of plate surface
- Temperature Indicator

| Item Code   | Volt | Hz | Watts | Top Plate                                |
|-------------|------|----|-------|--|
| 730.DNAG.01 | 230  | 50 | 650   | Stainless Steel top with Ceramic Coating |
| 730.DNAG.02 | 115  | 60 | 650   | Stainless Steel top with Ceramic Coating |



Buy Now!



**730.DNAG**

## Technical Specification :

|                                 |  |
|---------------------------------|--|
| Heating Mantle Material         | : Stainless Steel 304 Grade/<br>Ceramic Coated |
| Dimension of heating plate      | : 150 Ø  |
| Temperature Range               | : Ambient to 350°C approx                      |
| Dimensions of hot plate body    | : 273x160x102mm                                |
| Weight of body                  | : 2.0 kgs                                      |
| Permissible ambient Temperature | : 5- 40 °C                                     |
| Permissible relative moisture   | : 80%  |
| Weight of Capacity              | : 30 Ltr                                       |
| IP Class                        | : 22   |



HEAT  
650W



HEAT  
SELECTION



CELSIUS TO  
FAHRENHEIT



TEMPERATURE  
Upto 350 °C



## STAINLESS STEEL TOP

Magnetic Stirrer - Analog

*New*



Buy Now!

**720.DNAG**



- PU Coated Aluminium Alloy Moulded Construction
- Easy Stir controls
- Large top plate to assist beakers upto 2000 ml.
- Maximum stirring speed upto 1600 RPM.
- High magnetic strength.
- Knob for electronic variable speed control with display.
- Stirring Indicator.
- Error displays & safety for Stir function built in.

| Item Code   | Volt | Hz | Watts | Top Plate       |
|-------------|------|----|-------|-----------------|
| 720.DNAG.01 | 230  | 50 | 30    | Stainless Steel |
| 720.DNAG.02 | 115  | 60 | 30    | Stainless Steel |

### Technical Specification :

|                         |                          |
|-------------------------|--------------------------|
| Operating Voltage       | : 230V/115V AC, 50/60 Hz |
| Power                   | : 30 Watts ± 10%         |
| Weight                  | : 2.6 Kgs                |
| Dimensions of Top plate | : Diameter 150mm         |
| Over all dimensions     | : 273X160X102mm          |
| Fuse internal           | : 1 Amps                 |
| Stirring Capacity       | : 10 L                   |
| Weight of Capacity      | : 30 Ltr                 |
| IP Class                | : 22                     |



## STAINLESS STEEL TOP

Magnetic Stirrer - Analog

*New*



Buy Now!

**725.DNAG**

With  
Octagon  
Base



- PU Coated Aluminium Alloy Moulded Construction
- Easy Stir controls
- Large top plate to assist beakers upto 5000 ml.
- Maximum stirring speed upto 1600 RPM.
- High magnetic strength.
- Knob for electronic variable speed control with display.
- Stirring Indicator.
- Error displays & safety for Stir function built in.

| Item Code   | Volt | Hz | Watts | Top Plate       |
|-------------|------|----|-------|-----------------|
| 725.DNAG.01 | 230  | 50 | 30    | Stainless Steel |
| 725.DNAG.02 | 115  | 60 | 30    | Stainless Steel |

### Technical Specification :

|                         |                          |
|-------------------------|--------------------------|
| Operating Voltage       | : 230V/115V AC, 50/60 Hz |
| Power                   | : 30 Watts ± 10%         |
| Stirring Capacity       | : Upto 1600 RPM          |
| Weight                  | : 3.0 Kgs                |
| Dimensions of Top plate | : 190X25mm Octagon shape |
| Over all dimensions     | : 275 mm X 190mm X 92mm  |
| Fuse internal           | : 1 Amps                 |
| Stirring Capacity       | : 20000ml                |
| Weight of Capacity      | : 30 Ltr                 |
| IP Class                | : 22                     |





## 3 STATION MAGNETIC STIRRER WITH HOTPLATE

- PU Coated Mild Steel construction
- Three independently controlled stirring/heating positions.
- Powerful magnets for strong magnetic coupling.
- Easy temperature & Stir controls.
- Installed with Safety PT sensor for fail safe operation.
- LED hot top indicator for temperatures above 50°C for each station.
- Electronic variable speed control with Knob for display.
- Knob for regulating variable temperature.
- Heat reach Indicator, To ensure you correct temperature of plate surface.
- Stirring Indicator
- LED error code displays & safety for heat & Stir function inbuilt trouble shoot.



**716.DNAG.01**

| Item Code   | Volt | Hz | Watts        | Top Plate |
|-------------|------|----|--------------|-----------|
| 716.DNAG.01 | 230  | 50 | (450x3) 1350 | SS        |
| 716.DNAG.02 | 115  | 60 | (450x3) 1350 | SS        |



Buy Now!

### Technical Specification :

|                               |                                   |
|-------------------------------|-----------------------------------|
| Heating plate material        | SS ceramic coated                 |
| Dimension of heating plate    | 150 Ø RPM                         |
| Volume cap.                   | 2000ml each station               |
| Speed range                   | 1600 RPM                          |
| Stirring position             | 3                                 |
| Maximum stirring range        | Can use upto 80mm bar Lower speed |
| Maximum plate temperature     | 350 °C                            |
| Overall dimensions (mm)       | 505 x 246 x 195 (LxWxH)           |
| Plate dimensions (mm)         | 504 x 175 x 30 (LxWxH)            |
| Net weight (kg)               | 7.0 kg (Approx.)                  |
| Permissible ambient temp.     | 5-40 °C                           |
| Permissible relative humidity | 80%                               |
| IP Class                      | 21                                |



**HEAT**  
1350W



**STIR**  
1600 RPM



**HEAT/STIR**  
SELECTION



**CELSIUS TO**  
FAHRENHEIT



**TEMPERATURE**  
Upto 350 °C

## DIGITAL FLAT STIRRER *New*

- Unibody design gives IP65 performance
- Ultra-flat compact magnetic stirrer, guaranteed with modern magnet coil technology.
- Wear-free drive with no moving parts.
- 7 Stirring modes for better mixing
- Moterless, No Noise
- Fail proof, Long working

### Product Features

- Set-up plate and casing made from chemically resistant materials
- Slip-proof, safe stand
- Max. stirring quantity (H<sub>2</sub>O): 800 ml
- Speed range: 10 - 1500 rpm



430.DNDG.01

| Model No.   | Volt    | Hz    | Watts |
|-------------|---------|-------|-------|
| 430.DNDG.01 | 100-240 | 50/60 | 6     |
| 430.DNDG.02 | 100.240 | 50/60 | 6     |



Buy Now!

### Technical Specification :

|   |                   |
|---|-------------------|
| Number of stirring positions                                    | 1                 |
| Stirring quantity max. per stirring position (H <sub>2</sub> O) | 0.8 l             |
| Speed Range   | 10 - 1500 rpm     |
| Stirring Bar Length Max.  | 25 mm x 8 mm      |
| Set-up Plate Material   | polyester         |
| Set-up plate dimensions   | Ø 100 mm          |
| Dimensions (W x H x D)  | 122 x 12 x 182 mm |
| Weight  | 450 Gms           |
| Permissible Ambient Temperature                                 | 5 - 40 °C         |
| Permissible Relative Humidity                                   | 80 %              |
| Voltage   | 100 - 240 V       |
| Frequency   | 50/60 Hz          |
| Power input   | 6 W               |
| Weight of Capacity  | 10Kg              |
| IP Class  | 65                |



STIR  
1500 RPM



TIMER  
00:01-99:59



STIR/TIME  
DISPLAY



7  
MODE  
CHOICES



## MAGNETIC STIRRER-DIGITAL *New*

- Large display allow viewing from distance
- Powerful magnet stirrer large volume
- Acceleration adjust for volume & viscosity combination
- Auto power 'ON' possible
- Detachable wire & wireless remote add value for placing under large vessel
- SS 304 construction
- Large surface to assist large vessels upto 20, 30 40 & 50L
- High magnetic strength
- Electronic variable speed control
- Independent display for RPM & Time
- Choice of 7 modes of rotation
- Power adjust feature
- Optional remote



**450.DNDG**

| Item Code    | Volt | Hz | Watts | Cap. (Ltr.) | Top Plate    |
|--------------|------|----|-------|-------------|--------------|
| 420.DNDG.01  | 230  | 50 | 50    | 20          | SS 304 Grade |
| 440.DNDG.01  | 230  | 50 | 50    | 40          | SS 304 Grade |
| 450.DNDG.01  | 230  | 50 | 50    | 50          | SS 304 Grade |
| 4100.DNDG.01 | 230  | 50 | 50    | 100         | SS 304 Grade |
| 4200.DNDG.01 | 230  | 50 | 50    | 200         | SS 304 Grade |



Buy Now!

### Technical Specification :

|                                |                              |
|--------------------------------|------------------------------|
| Speed range                    | 100 - 2000 rpm               |
| Timer range                    | 0:01 to 99:59 (HH:MM)        |
| Stirring power mode            | 50%,75%,100%                 |
| Acceleration mode              | Yes                          |
| Timer bypass                   | Yes                          |
| Display type                   | Led segment                  |
| Stirring power (max.)          | 50W                          |
| Operating voltage              | 24VDC                        |
| Power supply                   | 100-240 VAC / 50-60 Hz / 2A  |
| Dimensions (WxDxH)             | 370x415x115mm                |
| Weight Approx.                 | 11Kg                         |
| Material Housing               | Stainless steel-304          |
| Permitted operation conditions | 5 to 40 °C (at 80% humidity) |
| Protection category            | IP20                         |



**STIR**  
**2000 RPM**



**STIR MODES SELECTION**



**INFRARED SENSOR**



**OPTIONAL REMOTE**



**7 MODE SELECTION**



**POWER SELECT**



## 5-POSITION MAGNETIC STIRRER WITH HEATING-ANALOG



Buy Now!

**410.DNAG.01**



**Available till Stocks Last**

- Robust Metallic Construction
- Simultaneously operating stirrers
- Consistent heating and stirring
- Silicone mat for anti-skid
- Homogeneous temperature distribution across the heating plate
- Narrow foot print for space saving
- High magnetic strength
- Knob for electronic variable speed adjustment
- Knob for electronic variable temperature adjustment
- BLDC motor for smooth drive
- Auto power 'ON' possible

| Item Code   | Volt | Hz | Watts |
|-------------|------|----|-------|
| 410.DNAG.01 | 230  | 50 | 220   |
| 410.DNAG.02 | 115  | 60 | 220   |

## 5-POSITION MAGNETIC STIRRER WITH HEATING-DIGITAL



Buy Now!

**411.DNDG.01**



- Robust Metallic Construction
- Designed for synchronous heating and stirring
- Suitable for continuous unsupervised operation
- Silicone mat for anti-skid.
- The magnetic coil motorless technology provides noiseless and consistent stirring on all positions
- Homogeneous temperature distribution across the heating plate
- Hot top warning indication
- Timer function & Auto power 'ON' possible
- Multiple modes with mode selection key
- Constant stirring speeds even with viscosity changes
- SPC-mode for a low self-warming of the surface
- Error codes display
- Can be operated with **Labs-connect App** over Wifi/USB Controls

| Item Code   | Item Code    | Volt | Hz | Watts |
|-------------|--------------|------|----|-------|
| 411.DNDG.01 | 411.DNWDG.01 | 230  | 50 | 220   |
| 411.DNDG.02 | 411.DNWDG.02 | 115  | 60 | 220   |

### Technical Specification

|  | 410.DNAG             | 411.DNDG                |
|--|----------------------|-------------------------|
| Set-up plate material                      | : Aluminium          | Aluminium               |
| Silicone Mat                               | : Yes                | Yes                     |
| Number of stirring positions               | : 5                  | 5                       |
| Stirring position distance                 | : 90 mm              | 90 mm                   |
| Speed range                                | : 0 - 1200 rpm       | 0 - 1000 rpm            |
| Speed control                              | : Linear             | 10 RPM Steps            |
| Stirring quantity max.                     | : 2L                 | 2L                      |
| Stirring bar length max.                   | : 25mm x 9mm         | 30mm x 8mm              |
| Heating temperature range                  | : Room temp. - 120°C | Room temp. - 120°C      |
| Control display                            | : -                  | LED                     |
| Input Type                                 | : Knob               | Key Button              |
| Adjustable safety circuit min.             | : -                  | 50°C                    |
| Adjustable safety circuit max.             | : -                  | 130°C                   |
| Timer range                                | : -                  | 00:01 to 99:59 [HH: MM] |
| Set-up plate dimensions                    | : 470x128mm          | 514x122mm               |
| Dimensions (W x H x D)                     | : 554 x 126 x 75 mm  | 600 x 120 x 80 mm       |
| Weight                                     | : 3 kgs              | 4.4 (Approx.)           |
| Permissible ambient temperature            | : 5 - 40 °C          | 5 - 40 °C               |
| Permissible relative humidity              | : 80 %               | 80 %                    |
| Protection class according to DIN EN 60529 | : IP40               | IP40                    |

**STIR**  
1000 RPM

---

**HEAT & STIR**  
SETUP

---

**TEMPERATURE**  
Upto 120 °C

---

**6 MODE**  
CHOICES

#### Included Accessories: (For 410.DNAG)

| Cat. No.    | Accessories                          |
|-------------|--------------------------------------|
| 1500.150.02 | (5) Magnetic Stirring bar 25mm x 9mm |

#### Included Accessories: (For 411.DNDG)

| Cat. No.    | Accessories                          |
|-------------|--------------------------------------|
| 1500.150.01 | (5) Magnetic Stirring bar 30mm x 8mm |



## 15-POSITION DIGITAL MAGNETIC STIRRER WITH HEATING

- Robust Metallic Construction
- Suitable for continuous unsupervised operation
- Designed for synchronous heating and stirring
- The magnetic coil motorless technology provides noiseless and consistent stirring on all positions
- Homogeneous temperature distribution across the heating plate
- Hot top warning indication
- Timer function
- Adjustable reverse operation for stirring
- Stirring speed remains constant, even when load changes
- SPC-mode for a low self-warming of the surface
- Multiple operating modes selection
- Error codes display
- Continuous stir modes possible
- Can be operated with **Labs-connect App** over Wifi/USB Controls
- Double ventilation for inside to keep for long unsupervised use
- Auto power 'ON' possible

| Item Code   | Item Code    | Volt | Hz | Watts |
|-------------|--------------|------|----|-------|
| 415.DNDG.01 | 415.DNWDG.01 | 230  | 50 | 750   |
| 415.DNDG.02 | 415.DNWDG.02 | 115  | 60 | 750   |



Buy Now!



415.DNDG.01

*Also available  
without Temperature*

### Technical Specification :

|  |                                 |
|--|---------------------------------|
| Set-up plate material                      | : Aluminum                      |
| Silicone mat                               | : Yes                           |
| Number of stirring positions               | : 15                            |
| Stirring position distance                 | : 90 mm                         |
| Speed range                                | : 0 - 1000 rpm                  |
| Speed control                              | : 10 RPM Steps                  |
| Stirring quantity max. (H <sub>2</sub> O)  | : 6L (400mlx15)                 |
| Stirring bar length max.                   | : 30mm x 8mm                    |
| Heating temperature range                  | : Room temp. to 120°C           |
| Display type                               | : LED                           |
| Input Type                                 | : Key Button                    |
| Adjustable safety circuit min.             | : 50°C                          |
| Adjustable safety circuit max.             | : 130°C                         |
| Timer range                                | : 00:01 to 99:59 [Hour: Minute] |
| Set-up plate dimensions                    | : 274x504mm                     |
| Dimensions (W x H x D)                     | : 281x81x609mm                  |
| Weight                                     | : 10.6 Kg (Approx.)             |
| Permissible ambient temperature            | : 5 - 40 °C                     |
| Permissible relative humidity              | : 80 %                          |
| Protection class according to DIN EN 60529 | : IP40                          |



414.DNDG.01

### Included Accessories:

| Item Code   | Accessories                           |
|-------------|---------------------------------------|
| 1500.150.02 | (15) magnetic Stirring bar 30mm x 8mm |



6 MODE CHOICES



STIR 1000 RPM



TIMER 00:01-99:59



TEMPERATURE Upto 120 °C



CELSIUS & FAHRENHEIT



HEAT/STIR/TIME DISPLAY



CONTINUOUS STIR MODE KEY



## HEATING MANTLE-ANALOG

*New*

### BlackDiamond™



**1220.DNEU**

- PU Coated Aluminium & Stainless Steel construction
- Simply set power knob to attained selected values
- Designed for advanced Laboratory usage
- SS & Aluminium Construction
- For Round Bottomed Flasks as per DIN - 12347
- Glass fibre yarn knitted mantle provides uniform heating to flask
- Predictable electronic power regulator *New*
- Provision to attach accessories *New*
- Innovative spill collect system enables collection *New* of spillage in case of breakage of flasks upto 5 Ltr
- Fewer parts give longer life
- Easy to use and maintain

| Item Code (230V, 50Hz) | Item Code (115V, 60Hz) | Capacity (ml) | Watts | Dimension (WxDxH) |
|------------------------|------------------------|---------------|-------|-------------------|
| 1220.DNEU.01           | 1220.DNUS.01           | 100*          | 200   | 167x240x182       |
| 1220.DNEU.02           | 1220.DNUS.02           | 250*          | 200   | 167x240x182       |
| 1220.DNEU.03           | 1220.DNUS.03           | 500*          | 250   | 217x287x203       |
| 1220.DNEU.04           | 1220.DNUS.04           | 1000*         | 350   | 217x287x203       |
| 1220.DNEU.05           | 1220.DNUS.05           | 2000*         | 500   | 309x390x262       |
| 1220.DNEU.06           | 1220.DNUS.06           | 3000*         | 500   | 309x390x262       |
| 1220.DNEU.08           | 1220.DNUS.08           | 5000*         | 650   | 309x390x262       |
| 1220.DNEU.09           | 1220.DNUS.09           | 6000          | 650   | -                 |
| 1220.DNEU.10           | 1220.DNUS.10           | 10000         | 1250  | -                 |
| 1220.DNEU.11           | 1220.DNUS.11           | 20000         | 1850  | -                 |



Buy Now!



**Spill collect system**

\*For lower volumes only.

**The spill protect feature is provided in models upto 2000ml.**

### Technical Specification :

|                                 |  |
|---------------------------------|--|
| Heating Mantle Body             | Metallic, SS & Aluminium construction                                |
| Heating Mantle Material         | Glass Fibre Yarn   |
| Mantle Capacity                 | To hold standard Round Bottom Flasks upto 20000ml (as per DIN 12347) |
| Temperature Range               | ~400°C   |
| Control Accuracy                | 10%  |
| Heating Control                 | Variable   |
| Weight                          | 1.7 Kgs  |
| Permissible Ambient Temperature | 5- 40 °C   |
| Permissible relative moisture   | 80%  |
| IP Class                        | 10   |

### Optional Accessories

| Item Code         | Accessories                       |
|-------------------|-----------------------------------|
| <b>850.800.01</b> | SS Rod (542mm, Ø 9mm)<br>Bosshead |



**HEAT**  
200-1850W



**TEMPERATURE**  
Upto 400 °C



**CAPACITY**  
Upto 100-20000ml





## HEATING MANTLE-DIGITAL *New*

### BlackDiamond™



- PU Coated Aluminium & Stainless Steel construction
- Designed for advanced Laboratory usage
- Control the temperature of subject in flask using probe *New*
- Temperature control with digital display *New*
- Celsius/Fahrenheit selection *New*
- Mantle/Probe selection *New*
- SS & Aluminium Construction
- For Round Bottomed Flasks as per DIN - 12347
- Glass fibre yarn knitted mantle provides uniform heating to flasks
- Innovative spill collect system enables collection *New* of spillage in case of breakage of flasks
- Fewer parts give longer life
- Easy to use and maintains
- Provision to attach accessories *New*
- Auto Power 'ON' possible
- Glass fibre Insulation saves power wastage
- Probe based low temperature of liquid



1222.DNEU

| Item Code (230V, 50Hz) | Item Code (115V, 60Hz) | Capacity (ml) | Watts | Dimension (WxDxH) |
|------------------------|------------------------|---------------|-------|-------------------|
| 1222.DNEU.01           | 1222.DNUS.01           | 100*          | 200   | 167x240x182       |
| 1222.DNEU.02           | 1222.DNUS.02           | 250*          | 200   | 167x240x182       |
| 1222.DNEU.03           | 1222.DNUS.03           | 500*          | 250   | 217x287x203       |
| 1222.DNEU.04           | 1222.DNUS.04           | 1000*         | 350   | 217x287x203       |
| 1222.DNEU.05           | 1222.DNUS.05           | 2000*         | 500   | 309x390x262       |
| 1222.DNEU.06           | 1222.DNUS.06           | 3000*         | 500   | 309x390x262       |
| 1222.DNEU.08           | 1222.DNUS.08           | 5000*         | 650   | 309x390x262       |
| 1222.DNEU.09           | 1222.DNUS.09           | 6000          | 650   | -                 |



Buy Now!



Spill collect system

\*For lower volumes only.

The spill protect feature is provided in models up to 5000ml.

### Technical Specification :

|                                 |  |
|---------------------------------|--|
| Heating Mantle Body             | Metallic, SS & Aluminium construction            |
| Heating Mantle Material         | Glass Fibre Yarn                                 |
| Mantle Capacity                 | To hold standard Round Bottom Flasks upto 6000ml |
| Heating Control                 | Microprocessor based PID                         |
| Temperature Range               | ~400°C   |
| Control Accuracy                | 10%  |
| Weight                          | 2.4 Kgs  |
| Permissible Ambient Temperature | 5- 40 °C   |
| Permissible relative moisture   | 80%  |
| IP Class                        | 10   |



## HEATING MANTLE WITH STIRRER - ANALOG *New*

### BlackDiamond™

- PU Coated Aluminium & Stainless Steel construction
- Designed for advanced Laboratory usage
- SS & Aluminium Construction
- For Round Bottomed Flasks as per DIN - 12347
- Glass fibre yarn knitted mantle provides uniform heating to flasks
- Predictable electronic power regulator *New*
- Knob for stir speed control upto 800 RPM
- Innovative spill collect system enables collection *New* of spillage in case of breakage of flasks
- Fewer parts give longer life
- Easy to use and maintain
- Provision to attach accessories *New*

With **STIRRER**

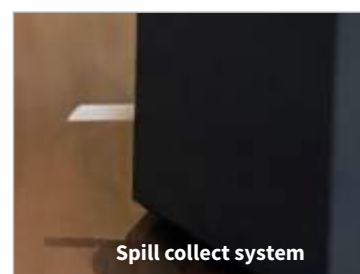


**1223.DNEU**

| Item Code (230V, 50Hz) | Item Code (115V, 60Hz) | Capacity (ml) | Watts | Dimension   |
|------------------------|------------------------|---------------|-------|-------------|
| 1223.DNEU.01           | 1223.DNUS.01           | 100           | 220   | 167x240x182 |
| 1223.DNEU.02           | 1223.DNUS.02           | 250           | 220   | 167x240x182 |
| 1223.DNEU.03           | 1223.DNUS.03           | 500           | 270   | 217x287x203 |
| 1223.DNEU.04           | 1223.DNUS.04           | 1000          | 370   | 217x287x203 |
| 1223.DNEU.05           | 1223.DNUS.05           | 2000          | 520   | 309x390x262 |
| 1223.DNEU.06           | 1223.DNUS.06           | 3000          | 520   | 309x390x262 |
| 1223.DNEU.08           | 1223.DNUS.08           | 5000          | 670   | 309x390x262 |



Buy Now!



Spill collect system

The spill protect feature is provided in models upto 5000ml.

### Technical Specification :

|                                 |  |
|---------------------------------|--|
| Heating Mantle Body             | Metallic, SS & Aluminium construction            |
| Heating Mantle Material         | Glass Fibre Yarn                                 |
| Mantle Capacity                 | To hold standard Round Bottom Flasks upto 5000ml |
| Temperature Range               | ~400°C   |
| Control Accuracy                | 10%  |
| Variable speed range            | ~800 RPM   |
| Weight                          | 2.5 Kgs  |
| Permissible Ambient Temperature | 5- 40 °C   |
| Permissible relative moisture   | 80%  |
| IP Class                        | 10   |

#### Included Accessories

| Item Code          | Accessories                                      |
|--------------------|--|
| <b>1500.150.01</b> | Magnetic Stirring bar 20mmx8mm (For 100-1000ml)  |
| <b>1500.150.02</b> | Magnetic Stirring bar 25mmx9mm (For 2000-5000ml) |

#### Optional Accessories

| Item Code         | Accessories                       |
|-------------------|-----------------------------------|
| <b>850.800.01</b> | SS Rod (542mm, Ø 9mm)<br>Bosshead |



HEAT  
220-670W



TEMPERATURE  
Upto 400 °C



STIR  
800 RPM



HEAT & STIR  
KNOBS





## HEATING MANTLE WITH STIRRER-DIGITAL *New*

### BlackDiamond™

- PU Coated Aluminium & Stainless Steel construction
- Designed for advanced Laboratory usage
- Control the temperature of subject in flask using probe *New*
- Temperature control with digital display built in magnetic stirring *New*
- Celsius/Fahrenheit selection *New*
- Mantle/Probe selection *New*
- SS & Aluminium Construction
- For Round Bottomed Flasks as per DIN - 12347
- Glass fibre yarn knitted mantle provides uniform heating to flasks
- Innovative spill collect system enables collection *New* of spillage in case of breakage of flasks
- Fewer parts give longer life & Easy to use and maintains
- Provision to attach accessories
- Electronic stir speed control *New*
- Glass fibre Insulation saves power wastage
- Auto Power 'ON' possible



1221.DNEU

| Item Code (230V, 50Hz) | Item Code (115V, 60Hz) | Capacity (ml) | Watts | Dimension   |
|------------------------|------------------------|---------------|-------|-------------|
| 1221.DNEU.01           | 1221.DNUS.01           | 100           | 220   | 167x240x182 |
| 1221.DNEU.02           | 1221.DNUS.02           | 250           | 220   | 167x240x182 |
| 1221.DNEU.03           | 1221.DNUS.03           | 500           | 270   | 217x287x203 |
| 1221.DNEU.04           | 1221.DNUS.04           | 1000          | 370   | 217x287x203 |
| 1221.DNEU.05           | 1221.DNUS.05           | 2000          | 520   | 309x390x262 |
| 1221.DNEU.06           | 1221.DNUS.06           | 3000          | 520   | 309x390x262 |
| 1221.DNEU.08           | 1221.DNUS.08           | 5000          | 670   | 309x390x262 |



Buy Now!



Spill collect system

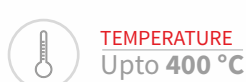
The spill protect feature is provided in models upto 5000ml.

### Technical Specification :

|                                 |  |
|---------------------------------|--|
| Heating Mantle Body             | Metallic, SS & Aluminium construction            |
| Heating Mantle Material         | Glass Fibre Yarn                                 |
| Mantle Capacity                 | To hold standard Round Bottom Flasks upto 5000ml |
| Heating Control                 | Microprocessor based PID                         |
| Stir Control                    | Microprocessor based                             |
| Temperature Range               | ~400°C   |
| Control Accuracy                | 10%  |
| Weight                          | 2.5 Kgs  |
| Variable Speed Range            | ~800 RPM   |
| Permissible Ambient Temperature | 5- 40 °C   |
| Permissible relative moisture   | 80%  |
| IP Class                        | 10   |

### Included Accessories

| Item Code   | Accessories                                      |
|-------------|--|
| 1500.150.01 | Magnetic Stirring bar 20mmx8mm (For 100-1000ml)  |
| 1500.150.02 | Magnetic Stirring bar 25mmx9mm (For 2000-5000ml) |
| 850.800.01  | SS Rod (542mm, Ø 9mm)                            |
| 850.800.03  | Moulded PT 100 Sensor probe Bosshead             |



## ADVANCED HEATING MANTLE WITH STIRRER *New*

### BlackDiamond™ PRO



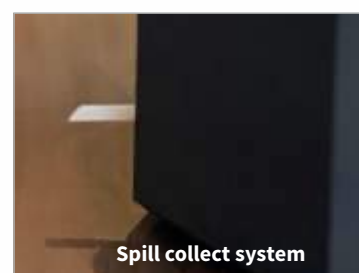
- PU Coated Aluminium & Stainless Steel construction
- Setable temperature trigger to sound alarm
- Infinite stirring/ time provided also
- Designed for advanced Laboratory usage
- SS & Aluminium Construction
- For Round Bottomed Flasks as per DIN - 12347
- Single shuffle knob to set temperature, stir speed & time of activity
- Independent keys for C/F selection & mantle/probe selection
- Accurately Control liquid temp. with included PT 100 sensor probe
- Glass fibre yarn knitted mantle provides uniform heating to flasks
- Innovative spill collect system enables collection of spillage in cases of breakage of flasks
- Probe based prescribed control of liquid
- Auto Power 'ON'
- Rugged SP motor

| Item Code (230V, 50Hz) | Item Code (115V, 60Hz) | Capacity (ml) | Watts | Dimension   |
|------------------------|------------------------|---------------|-------|-------------|
| 1225.DNEU.01           | 1225.DNUS.01           | 100           | 220   | 240x315x203 |
| 1225.DNEU.02           | 1225.DNUS.02           | 250           | 220   | 240x315x203 |
| 1225.DNEU.03           | 1225.DNUS.03           | 500           | 270   | 240x315x203 |
| 1225.DNEU.04           | 1225.DNUS.04           | 1000          | 370   | 240x315x203 |
| 1225.DNEU.05           | 1225.DNUS.05           | 2000          | 520   | 309x390x262 |
| 1225.DNEU.06           | 1225.DNUS.06           | 3000          | 520   | 309x390x262 |
| 1225.DNEU.08           | 1225.DNUS.08           | 5000          | 670   | 309x390x262 |



Buy Now!

1225.DNEU



Spill collect system

The spill protect feature is provided in models upto 5000ml.

### Technical Specification :

|                           |                |
|---------------------------|----------------|
| Operating voltage         | 230VAC/50Hz    |
| Display type              | LED segment    |
| Temperature range         | ~400 °C        |
| Temperature step size     | 1°C            |
| Temperature resolution    | ±1°C           |
| Stir range                | 50 to 800RPM   |
| Stir step size            | 50RPM          |
| Weight                    | 3.2 Kgs        |
| Timer range               | 00:01 to 99:59 |
| Timer step size           | 00:01          |
| External probe connection | DIN Port       |
| IP Class                  | 10             |



### Included Accessories

| Item Code   | Accessories                                      |
|-------------|--|
| 1500.150.01 | Magnetic Stirring bar 20mmx8mm (For 100-1000ml)  |
| 1500.150.02 | Magnetic Stirring bar 25mmx9mm (For 2000-5000ml) |
| 850.800.01  | SS Rod (542mm, Ø 9mm)                            |
| 850.800.03  | Moulded PT 100 Sensor probe                      |
|             | Bosshead   |



## HEATING MANTLE COMBINED UNIT

**New Design**

- PU Coated Mild Steel construction
- Heating Mantle Combined unit made of M. steel
- ON-OFF knob for heat power control
- Mantle knitted with glass fibre yarn
- Provides uniform heating to flasks
- For Round Bottomed Flasks as per DIN - 12347
- Easy maintenance
- Long Life
- Also Available with metallic stand 1100.EU



**2600.DNEU**

| Item Code (230V, 50Hz) | Item Code (115V, 60Hz) | Capacity (ml) | Watts | No. of Position of regulator |
|------------------------|------------------------|---------------|-------|------------------------------|
| 2600.DNEU.01           | 2600.DNUS.01           | 100           | 450   | 3/3                          |
| 2600.DNEU.02           | 2600.DNUS.02           | 250           | 450   | 3/3                          |
| 2600.DNEU.03           | 2600.DNUS.03           | 500           | 600   | 3/3                          |
| 2600.DNEU.04           | 2600.DNUS.04           | 100           | 900   | 6/6                          |
| 2600.DNEU.05           | 2600.DNUS.05           | 250           | 900   | 6/6                          |
| 2600.DNEU.06           | 2600.DNUS.06           | 500           | 1200  | 6/6                          |



Buy Now!

### Included Accessories

| Item Code   | Accessories  |
|-------------|--|
| 2000.200.01 | Vertical Rod Stainless Steel length 542 mm, Ø 9.8 mm   |
| 2000.200.02 | Horizontal Rod Stainless Steel length 972 mm, Ø 9.8 mm |
| 2000.200.03 | 8/5 Boss Head  |
| 2000.200.04 | 6/3 Clamp  |



Buy Now!

### Technical Specification :

|                                 |   |
|---------------------------------|---|
| Heating Mantle Body             | Made of MS                                      |
| Heating Mantle Material         | Glass Fibre Yarn                                |
| Mantle Capacity                 | To hold standard Round Bottom Flasks upto 500ml |
| Temperature Range               | Approx. 400°C                                   |
| Heating Control                 | Energy regulator                                |
| Dimension                       | 495 x 246 x 200                                 |
| Permissible Ambient Temperature | 5- 40 °C  |
| Weight                          | 10.2 Kgs  |
| Permissible relative moisture   | 80%   |
| IP Class                        | 10  |



**HEAT**  
450-1200W



**TEMPERATURE**  
Upto 400 °C



**HEAT SELECTION**



**MANTLE BODY**  
MILD STEEL

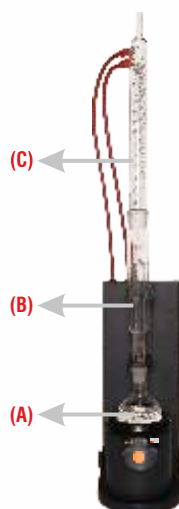


**CAPACITY**  
Upto 500ml

### SINGLE SOXHLET EXTRACTION UNIT

Extraction unit metal stand with heating mantle

| Model No. (230V, 50Hz) | Capacity (ml) | Watts | Dimension   | No. of Position of regulator | Price / Piece |
|------------------------|---------------|-------|-------------|------------------------------|---------------|
| 1100.DNEU.02           | 100           | 150   | 280x210x520 | 1/1                          | 13600         |
| 1100.DNEU.03           | 250           | 150   | 280x210x520 | 1/1                          | 13800         |
| 1100.DNEU.04           | 500           | 200   | 280x210x520 | 1/1                          | 14050         |



**\*For soxhlet extraction apparatus, Please see Page no. 145**



## HEATING MANTLE COMBINED UNIT WITH STIRRER

- PU Coated Mild Steel construction
- Heating Mantle Combined unit made of M. steel
- ON-OFF knob for heat power control
- Stir speed control also available
- Mantle knitted with glass fibre yarn
- Provides uniform heating to flasks
- For Round Bottomed Flasks as per DIN - 12347
- Easy maintenance
- Long Life
- Also available with Metallic Stand 1600.EU



**2300.DNEU**

| Item Code (230V, 50Hz) | Item Code (115V, 60Hz) | Capacity (ml) | Watts | No. of Position of regulator |
|------------------------|------------------------|---------------|-------|------------------------------|
| 2300.DNEU.01           | 2300.DNUS.01           | 100           | 510   | 3/3                          |
| 2300.DNEU.02           | 2300.DNUS.02           | 250           | 510   | 3/3                          |
| 2300.DNEU.03           | 2300.DNUS.03           | 500           | 660   | 3/3                          |



Buy Now!

### Included Accessories

| Item Code   | Accessories  |
|-------------|--|
| 2000.200.01 | Vertical Rod Stainless Steel length 542 mm, Ø 9.8 mm   |
| 2000.200.02 | Horizontal Rod Stainless Steel length 972 mm, Ø 9.8 mm |
| 2000.200.03 | Boss Head  |
| 2000.200.04 | Clamp  |



Buy Now!

### Technical Specification :

|                                 |   |
|---------------------------------|---|
| Heating Mantle Body             | Made of Mild Steel                              |
| Heating Mantle Material         | Glass Fibre Yarn                                |
| Mantle Capacity                 | To hold standard Round Bottom Flasks upto 500ml |
| Valuable Stirring speed         | 750 RPM   |
| Temperature Range               | Approx. 400°C                                   |
| Heating Control                 | Electronic power regulator                      |
| Stir Control                    | Electric regulator                              |
| Dimension                       | 495 x 246 x 200                                 |
| Permissible Ambient Temperature | 5- 40 °C  |
| Weight                          | 7.3 Kgs   |
| Permissible relative moisture   | 80%   |
| IP Class                        | 10  |



**HEAT**  
510-660W



**TEMPERATURE**  
Upto 400 °C



**HEAT/STIR SELECTION**



**STIR**  
750 RPM



**MANTLE BODY**  
MILD STEEL

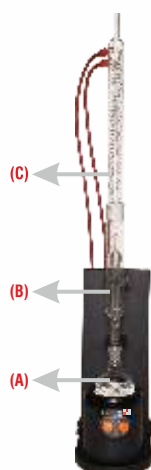


**CAPACITY**  
Upto 500ml

### SINGLE SOXHLET EXTRACTION WITH STIRRER

Extraction unit metal stand with heating mantle stirrer

| Model No. (230V, 50Hz) | Capacity (ml) | Watts | No. of Position of regulator | Price / Piece |
|------------------------|---------------|-------|------------------------------|---------------|
| 1600.DNEU.01*          | 100           | 170   | 1/1                          | 18200         |
| 1600.DNEU.02*          | 250           | 170   | 1/1                          | 18500         |
| 1600.DNEU.03*          | 500           | 220   | 1/1                          | 19900         |



\*For soxhlet extraction apparatus,  
Please see **Page no. 145**



## DIGITAL OVERHEAD STIRRER WITH WIFI *New*

- Independent LED display for RPM & Timer 99:59 (HH:MM)
- User Friendly
- Brushless DC motor
- Liquid cannot reach internal components due to front safeguard
- Audible alarm for error conditions
- Effective stirring provides clock wise & anti clock wise stirring modes
- Prominent used in chemical synthesis, pharmaceuticals, physical & chemical analysis, petrochemical, cosmetics, health products, foods, biotechnology & so on
- Can be operated with **Labs-connect App** over Wifi/USB Controls
- Auto power 'ON' possible

| Model No.     | Volt    | Hz    |
|---------------|---------|-------|
| 6050T.DNEU.01 | 100-240 | 50/60 |
| 6100T.DNEU.01 | 100-240 | 50/60 |



Buy Now!



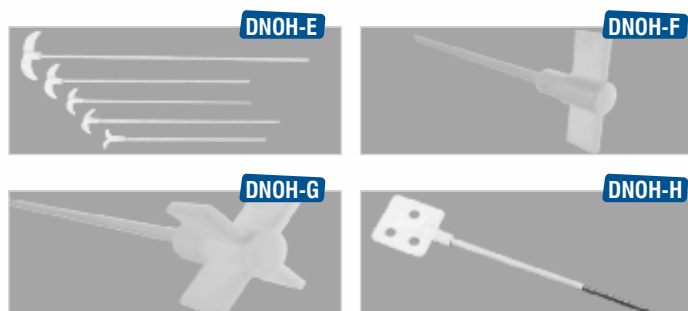
### Technical Specification :

| Model No.                               | 6050T.DNEU               | 6100T.DNEU               |
|---|--------------------------|--------------------------|
| <b>Speed Range</b>                      | 50-1500RPM               | 50-3000RPM               |
| <b>Max. Torque</b>                      | 80N.cm                   | 65N.cm                   |
| <b>Max. Viscosity</b>                   | 10000 mPass              | 6000 mPass               |
| <b>Max. Stirring</b>                    | 60L                      | 40L                      |
| <b>Timing Range</b>                     | 1min - 99:59min          | 1min - 99:59min          |
| <b>T-On Time</b>                        | 5 - 999 Sec              | 5 - 999 Sec              |
| <b>T-Off Time</b>                       | 0, 5 - 999 Sec           | 0, 5 - 999 Sec           |
| <b>Wifi Control</b>                     | Yes                      | Yes                      |
| <b>Temperatue Measurement</b>           | Yes                      | Yes                      |
| <b>Stirring Shaft Extension Feature</b> | Yes                      | Yes                      |
| <b>Stirring Modes</b>                   | Yes                      | Yes                      |
| <b>Motor Type</b>                       | BLDC                     | BLDC                     |
| <b>Operating Voltage</b>                | 24VDC                    | 24VDC                    |
| <b>Supply Voltage</b>                   | 100 - 240Vac,<br>50/60Hz | 100 - 240Vac,<br>50/60Hz |
| <b>Power</b>                            | 130                      | 130                      |
| <b>Dimension</b>                        | 90x240x220mm             | 90x240x220mm             |
| <b>Net Weight</b>                       | 11.4kg                   | 11.4kg                   |
| <b>IP Class</b>                         | 54                       | 54                       |

6050T/6100T.DNEU



### Optional Accessories





## DIGITAL OVERHEAD STIRRER WITHOUT WIFI *New*

- Independent LED display for RPM & Timer 99:59 (HH:MM)
- User Friendly
- Brushless DC motor
- Liquid cannot reach internal components due to front safeguard
- Audible alarm for error conditions
- Effective stirring provides clock wise & anti clock wise stirring modes
- Prominent used in chemical synthesis, pharmaceuticals, physical & chemical analysis, petrochemical, cosmetics, health products, foods, biotechnology & so on
- Auto power 'ON' possible



Buy Now!



6050/6100.DNEU

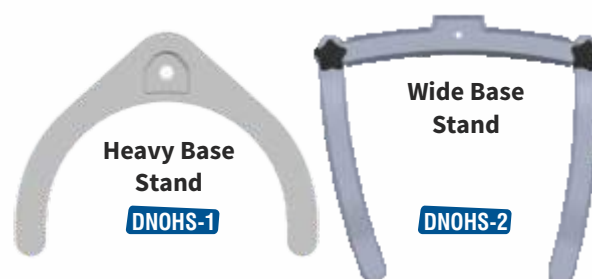
Optional Accessories



| Model No.    | Volt    | Hz    |
|--------------|---------|-------|
| 6050.DNEU.01 | 100-240 | 50/60 |
| 6100.DNEU.01 | 100-240 | 50/60 |

### Technical Specification :

| Model No.                        | 6050.DNEU.01             | 6100.DNEU.01             |
|----------------------------------|--------------------------|--------------------------|
| Speed Range                      | 50-1500RPM               | 50-3000RPM               |
| Max. Torque                      | 80N.cm                   | 65N.cm                   |
| Max. Viscosity                   | 10000 mPass              | 6000 mPass               |
| Max. Stirring                    | 60L                      | 40L                      |
| Timing Range                     | 1min - 99:59min          | 1min - 99:59min          |
| T-On Time                        | 5 - 999 Sec              | 5 - 999 Sec              |
| T-Off Time                       | 0, 5 - 999 Sec           | 0, 5 - 999 Sec           |
| Wifi Control                     | No                       | No                       |
| Temperatue Measurement           | No                       | No                       |
| Stirring Shaft Extension Feature | Yes                      | Yes                      |
| Stirring Modes                   | Yes                      | Yes                      |
| Motor Type                       | BLDC                     | BLDC                     |
| Operating Voltage                | 24VDC                    | 24VDC                    |
| Supply Voltage                   | 100 - 240Vac,<br>50/60Hz | 100 - 240Vac,<br>50/60Hz |
| Power                            | 130                      | 130                      |
| Dimension                        | 90x240x220mm             | 90x240x220mm             |
| Net Weight                       | 11.2 kg                  | 11.2 kg                  |
| IP Class                         | 54                       | 54                       |



## ORBITAL SHAKER

### Product Features

- Compact design
- Available with Flat platform (Cat. No. 3500.303.01)
- Built in DC brushless motor
- Microprocessor controlled
- User-Friendly
- Application in molecular biology, immunology, chemistry lab
- Low consumption
- Maximum stirring speed upto 300RPM
- Digital set up of RPM and time with independent LED display
- Audible alarm at time cycle end for safety and ease of unsupervised operation
- Silent and stable operation
- Compatible for use with various capacity conical flasks and different sample containers.



**3500.DNEU.01**

| Model No.    | Volt    | Hz    |
|--------------|---------|-------|
| 3500.DNEU.01 | 100-240 | 50/60 |
| 3500.DNEU.02 | 100-240 | 50/60 |



Buy Now!

### Included :

Platform, Flat, Non-Slip Mat

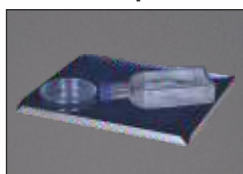


### Technical Specification :

|                           |                          |
|---------------------------|--------------------------|
| Shaker Body Material      | Plastic                  |
| Speed Range               | 50-300 RPM               |
| Orbit                     | 20 MM                    |
| Dimensions of Body        | 284 x 264 x 108 mm       |
| Max. Loading Capacity     | 2.0kgs                   |
| Permissible ambient Temp. | 5 - 45°C                 |
| Weight                    | 7.24 Kgs                 |
| Voltage                   | AC 100 - 240V (50/60 Hz) |
| Timing Range              | 1min - 99Hrs 59Min       |
| IP Class                  | 20                       |

### General Optional Accessories

#### Platform, Flat, Non-Slip Mat



3500.303.01

#### Platform, Double



3500.303.02

#### Platform, Universal, with 3 secured bars



3500.303.03

#### Platform with clamps, 6 Places (250ml)



3500.303.04

#### Platform with clamps, 12 Places (100ml)



3500.303.05

#### Platform universal for tubes



3500.303.06



**STIR**  
**300 RPM**



**TIMER**  
**00:01-99:59**



**LOAD CAPACITY**  
**2.0 Kgs**



**STIR/TIME DISPLAY**



## INCUBATOR SHAKER *New* WITH COOLING

### Product Features

- SS 304 Internal
- PU coated outer body made of mild steel
- Compact design
- Available with Flat platform
- BLDC motor driven
- Microprocessor controlled
- User-Friendly
- Application in molecular biology, immunology, chemistry lab
- Low power consumption
- Maximum stirring speed upto 300RPM
- Digital set up of RPM and time with independent LED display
- Audible alarm at time cycle end for safety and ease of unsupervised operation
- Silent and stable operation
- Compatible for use with various capacity conical flasks and different sample containers
- Powerful efficient 800W Heater



**3900.DNEU.01**

| Model No.    | Volt    | Hz    |
|--------------|---------|-------|
| 3900.DNEU.01 | 230/115 | 50/60 |



Buy Now!

### Technical Specification :

|                           |                             |
|---------------------------|-----------------------------|
| Shaker Body Material      | : Metal                     |
| Speed Range               | : 50~300 rpm                |
| Fan Speed                 | : 2000~3200 rpm             |
| Orbit (Horizontal)        | : 20 mm                     |
| Dimensions of Body        | : 609x770x515 (WxDxH)       |
| Platform Size             | : 480x315x80 (WxDxH)        |
| Permissible ambient Temp. | : 20 - 30°C (Approx.)       |
| Temp. Control Range       | : 4-60°C                    |
| Power                     | : AC 230V, 800 W            |
| Timer                     | : 1min - 99Hrs 59Min        |
| Temp. Control Accuracy    | : $\pm 0.3^{\circ}\text{C}$ |
| IP Class                  | : 30                        |
| Can Handle                | : upto 20Kg                 |



**STIR**  
300 RPM



**TIMER**  
00:01-99:59



**TEMPERATURE**  
Upto 60°C



**CELSIUS TO  
FAHRENHEIT**



**HEAT/STIR/TIME  
BUTTON**



**HEAT/STIR/TIME  
DISPLAY**





## VORTEX SHAKER *New*

### Product Features

- Outer shell and touch concave are made of plastic & silicone which has resistance to chemical attacks.
- The thick base makes it very steady and reliable.
- The maximum diameter of the mixed tube is up to 30mm. Suitable for mixing tubes / centrifugal tubes with prominent mixing effect.
- 12V low voltage power adapter driven, very smart and portable. Various speed adjustment with indicator.



| Model No.    | Volt    |
|--------------|---------|
| 3700.DNEU.01 | 12 V DC |



Buy Now!

3700.DNEU.01

### Technical Specification :

|                   |  |
|-------------------|--|
| Body Material     | Main Frame : ABS, Caps : Silicone Rubber, Base : Steel Alloy |
| Speed Range       | 0~4000 RPM   |
| Max. Capacity     | 50ml tube (Ø30 mm)   |
| Dimension (WxDxH) | 114 x 114 x 93mm   |
| Shaking Orbit     | 4.5mm  |
| Voltage           | DC 12V 1A  |
| Power             | 12W  |
| Net Weight        | 900 gms  |
| IP Class          | 62   |



**POWER**  
12 W



**STIR**  
4000 RPM



**CAPACITY**  
50ml Tube



## MINI CENTRIFUGE

### Product Features

- Patented high tech motor causes low working noise
- Produce low vibration with advanced shock absorbers
- Compact design and can carry higher volume of 2 ml x 8 places
- Easy replacement of rotor
- Maximum relative centrifugal force upto 3260G
- Fast Stopping in 15 seconds with cover breaking time of 3 seconds.
- Spatial rotation for 360° are shape, low windage resistance with slow temperature increase
- Filtration & voltage regulation function makes smooth running of unit & causes low rotation difference.

| Model No.    | Volt      | Hz    |
|--------------|-----------|-------|
| 5000.DNEU.01 | 100-240 V | 50/60 |
| 5000.DNEU.02 | 100-240 V | 50/60 |



Buy Now!



5000.DNEU.01

### Technical Specification :

|                           |  |
|---------------------------|--|
| <b>Body Material</b>      | Main Frame : ABS, Cover : PC, Adapter : PP, Absorber : NBR, Roller : ABS |
| <b>Speed Range</b>        | 4000 & 7200 RPM (±20%)   |
| <b>RCF</b>                | 810~3260xg   |
| <b>Rotor types</b>        | Rotor, 2ml x 8 and 0.2ml x 8, 0.2ml x 8 tubes strip x 2 rows             |
| <b>Max. Capacity</b>      | 2ml x 8  |
| <b>Dimension (WxDxH)</b>  | 174x157x130mm  |
| <b>Speed Control type</b> | Constant speed   |
| <b>Driving Speed</b>      | Direct drive   |
| <b>Brake System</b>       | Dynamic  |
| <b>Acceleration Time</b>  | 90% speed in 5 seconds   |
| <b>Deceleration Time</b>  | Cover closed within 15 seconds, cover opens within 6 seconds             |
| <b>IP Class</b>           | 54   |

### Included Accessories

|                          |                    |  |
|--------------------------|--------------------|--|
| <b>Rotor Selection :</b> | <b>5000.303.01</b> | 2ml x 8, 0.5ml, 0.2ml adapter each 8 pcs |
|                          | <b>5000.303.02</b> | 2ml x 8, 8 x 0.2ml tubes strip x 2 rows  |

 **STIR (RPM)**  
4000-7200

 **CAPACITY**  
2 ml x 8

 **SPEED**  
90% in 5 sec



# Instruments

## MINI SHAKER *New*

Compact, universal small shaker suitable for shaking tasks with all small vessels with adapters and microtiter plates

- PU Coated aluminum Alloy Construction
- 2 in 1 vortex with shot mode & shaking mode gives result quickly
- Support thirteen different adaptors
- Wide range of attachments available
- Timer with countdown function
- Stable in all speed ranges
- Sturdy Aluminum die cast casing
- Continuous or touch/shot operation (with standard attachment)
- Audible timer by pass mode for uninterrupted non stop use

| Model No.    | Volt      | Hz |
|--------------|-----------|----|
| 3800.DNEU.01 | 100-240 V | 50 |
| 3800.DNEU.02 | 100-240 V | 60 |



Buy Now!

### Technical Specification :

|   |                                |
|---|--------------------------------|
| Type of movement                            | Orbital                        |
| Shaker Diameter                             | 3 mm                           |
| Permissible orbit weight (incl. attachment) | 0.5 kg                         |
| Permissible ON time                         | 100%                           |
| Speed min (adjustable)                      | 200 rpm                        |
| Speed range                                 | 200 - 3000 rpm                 |
| Speed display                               | LED                            |
| Speed deviation                             | 1%                             |
| Timer                                       | yes                            |
| Timer display                               | LED                            |
| Time setting min.                           | 1 s                            |
| Time setting max.                           | 100 Hrs                        |
| Operating mode                              | Timer and Continuous Operation |
| Touch/ shot function                        | yes                            |
| Working with microtiter plates              | yes                            |
| Number of microtiter plates                 | 1                              |
| Dimension                                   | 150x207x111mm (WxDxH)          |
| Permissible ambient temperature             | 5 - 40 °C                      |
| Permissible relative humidity               | 80%                            |
| Protection class according to DIN EN 60529  | IP 21                          |
| Adaptors                                    | Available                      |
| Voltage                                     | 100 - 240 V                    |
| Frequency                                   | 50/60 Hz                       |
| Power input                                 | 10 W                           |
| DC Voltage                                  | 24 V                           |
| Weight                                      | 3.8 Kgs                        |
| IP Class                                    | 21                             |

### \*Two operating modes:

The maximum speed of 3,000 rpm is for the standard attachment in touch mode. When using other attachments the speed should be limited to 1,300 rpm.



3800.DNEU.01



### Optional Foam Adapters



### Optional Accessories



## ROLLER MIXER

### Product Features

- Efficient Rolling and swinging motion for mixing blood samples, Liquid solid suspension & various substance
- Digital set-up for RPM & time with independent LED display
- Maximum rolling speed upto 80RPM
- Seven rollers with small foot print & easy cleaning
- Brushless DC motor
- Compatible for use with wide range of tubes
- Used for prevention of blood coagulation and immune precipitation etc



4000.DNEU.01

| Model No.    | Volt      | Hz    |
|--------------|-----------|-------|
| 4000.DNEU.01 | 100-240 V | 50/60 |
| 4000.DNEU.02 | 100-240 V | 50/60 |



Buy Now!

### Technical Specification :

|                     |                      |
|---------------------|----------------------|
| Mixer Body Material | : Plastic            |
| Operation Mode      | : Rolling & Swinging |
| Amplitude           | : 24mm               |
| Roller Quantity     | : 7                  |
| Speed Range         | : 10-80RPM           |
| Speed Unit          | : 1RPM               |
| Roller Length       | : 280mm              |
| Motor               | : brushless DC motor |
| Dimension (DxWxH)   | : 500 x 280 x 120mm  |
| Max. Capacity       | : 4kgs               |
| Weight of Body      | : 3.1 kg             |
| Voltage             | : AC100-240 50-60Hz  |
| Power               | : 20W                |



**POWER**  
20 W



**STIR**  
10-80 RPM



**TIMER**  
00:01-99:59



**STIR/TIME**  
DISPLAY



**STIR/TIME**  
BUTTON



**LOAD CAPACITY**  
4.0 Kgs



## FAT DETERMINATION APPARATUS *New*

### Product Features

- Cost-effective and user-friendly apparatus for hot extraction.
- Energy individually adjustable for every sample position.
- Cooling water distribution, distribution strip ensures uniform cooling at sample positions.
- Practical condenser ledge to safely deposit the condenser between hot extractions
- Brackets for safely holding the intermediate extraction pieces after removing the sample container

| Model No.    | Volt | Hz |
|--------------|------|----|
| 1900.DNEU.01 | 230  | 50 |
| 1900.DNUS.02 | 115  | 60 |



Buy Now!



1900.DNEU.01

### Technical Specification :

|  |                |
|--|----------------|
| Voltage                                      | 230 VAC        |
| Frequency                                    | 50 Hz          |
| Power consumption                            | ~1500 W        |
| Power consumption                            | 7 A            |
| Weight (without glass)                       | approx. 15 kg  |
| Dimensions in cm (W x D x H) (without glass) | 504x274x765 mm |
| IP Class                                     | 20             |

*Also Available*

### 4 Position Soxhlet Extraction (Digital)

| Model No.    | Volt  | Hz |
|--------------|-------|----|
| 1950.DNEU.01 | 230 V | 50 |



1950.DNEU.01



**POWER**  
1500 W



**WEIGHT**  
15 Kgs

\*For soxhlet extraction apparatus,  
Please see **Page no. 145**



## THERMOSTATIC WATER BATH *New*

### Uses:

This apparatus is designed for use in distilling, drying, concentrating and heat soaking chemicals or biological products.

Temperature control by means of PID controller.

Inner chamber with SS 304

### MODELS:

The water baths are available in two models - 6 & 12



**1800.DNEU.01**

### POSITIONS :

6 & 12 Position

| Model No.    | Volt | Hz | Positions |
|--------------|------|----|-----------|
| 1800.DNEU.01 | 230  | 50 | 6         |
| 1800.DNEU.02 | 230  | 50 | 12        |



Buy Now!

### Technical Specification :

#### 6 Position

|                           |                   |
|---------------------------|-------------------|
| Power                     | 1500 W            |
| No. of Opening            | 6                 |
| Temperature-control range | RT-99.9°C         |
| Temperature-fluctuation   | ±0.5°C            |
| Dimension                 | 120 (D) x 110 (H) |
| Working Room (cm)         | 50x30x15          |
| Weight                    | 8.9 Kgs           |
| IP Class                  | 34                |



**POWER**  
1500 W



**TEMPERATURE**  
Upto 99.9 °C

#### 12 Position

|                           |                  |
|---------------------------|------------------|
| Power                     | 3000 W           |
| No. of Opening            | 12               |
| Temperature-control range | RT 99.9°C        |
| Temperature-fluctuation   | ±2°C             |
| Dimension                 | 120 (D) x 90 (H) |
| Working Room (cm)         | 92x32x12         |
| Weight                    | 21 Kgs           |
| IP Class                  | 34               |



**POWER**  
3000 W



**TEMPERATURE**  
Upto 99.9 °C



## THERMOSTATIC OIL BATH *New*

### Product Features

High quality stainless steel material, heat resisting and anticorrosion, Digital controller digital display, durable.

- This heated bath is used in the laboratory to allow a chemical reaction to occur at an elevated temperature.
- This heated bath is a fluid placed in an open (metal) pot. Water and silicone oil are the most commonly used fluids. A water bath is used for temperatures up to 100 °C. An oil bath is employed for temperatures over 100 °C.
- This heated bath is heated on a hot plate, or with a bunsen burner. The reaction chamber (Florence flask, Erlenmeyer flask, beaker) is immersed in the heated bath. A thermometer is usually kept in the fluid to monitor the temperature.



1850.DNEU.01

| Model No.    | Volt | Hz |
|--------------|------|----|
| 1850.DNEU.01 | 230  | 50 |



Buy Now!

### Technical Specification :

|                                |               |
|--------------------------------|---------------|
| Heating Power                  | 1000W         |
| Temperature control range      | RT~300°C      |
| Temperature fluctuation        | ± 0.5 Celsius |
| Working size(mm <sup>3</sup> ) | Ø26× 16       |
| Display                        | Digital       |
| Weight                         | 7.4 Kgs       |
| IP Class                       | 34            |



POWER  
1000 W



TEMP./TIME  
BUTTON



TEMPERATURE  
Upto 300°C



TEMP./TIME  
DISPLAY



SET  
ALARM





## DIGITAL SOIL EC TESTER *New*

### for Soil Testing

The tester features a unique metal surface electrode that provides fast and easy on the spot EC(mS/cm) measurements for soil and hydroponics nutrient etc.

#### Operating Instruction

1. Take off the protective cap from metal probe
2. Press OFF/ON button Tester display "0".
3. **Quick testing** : Water the soil with distilled water before testing. Make sure the water can go 10 cm deep the least. Best humidity is 60%-80%. Insert the metal probe into soil vertically and clockwise, to about 6-8 cm deep. Make sure the soil have thorough contact with metal probe. After about 6 seconds, the tester will display the measured value. Tightness of soil will affect measuring result. Multiple tests at the same and different points should be performed and take the average as final result.

Accurate testing : Use a container, mixdried soil with distilled water at the rate of 10:1. Stir and make it into a mud form. Put the metal probe into the mud about 6-8CM deep. About 6 seconds, the tester will display the measured value.

4. Wipe the metal probe with towel or tissue paper after each test. Make it clean and dry. till the display show "0".



GLIEC

| Model No. | Pack of |
|-----------|---------|
| GLIEC     | 2       |



Buy Now!

#### Technical Specification :

|                |  |
|----------------|--|
| Range          | :0-1999 EC(mS/cm);   |
| Resolution     | :0.10 EC(mS/cm)  |
| Accuracy       | :±0.1EC (00-100 EC)  |
| Operating Temp | :5-45°C (41 - 113°FVATC)   |
| Calibration    | : 1 point (6.7EC /Factory calibrated -No more calibration)   |
| Power supply   | : DC 9V(L1022 battery)   |
| Display        | : LCD with illumination  |
| Dimension      | : 50.5 x 250 mm  |
| Probe length   | : 140mm  |
| Features       | : Automatic switch-off function : After about 5 minutes without pushing buttons, the meter will be switched off automatically (or manual shutdown) |
| Weight         | : 110 Gms (Approx)   |
| IP Class       | : 64   |



# DIGITAL INSTANT *New* N-P-K TESTER

## for Soil Testing

The electro-chemical method uses innovative technology of ionization reduction

### Operating Instruction

1. Take off the protective cap from metal probe
2. Press OFF/ON button Tester display "0".
3. **Quick testing** : Water the soil with distilled water before testing. Make sure the water can go 10 cm deep the least. Best humidity is 60%-80%. Insert the metal probe into soil vertically and clockwise, to about 6-8 cm deep. Make sure the soil have thorough contact with metal probe. After about 6 seconds, the tester will display the measured value. Tightness of soil will affect measuring result. Multiple tests at the same and different points should be performed and take the average as final result.

**Accurate testing** : use a container, mix dried water at the rate of 3:1. Stir and make in into a mud form. Put the metal probe into the mud about 6-8 cm deep. About 6 seconds, the tester will display the measured value.

4. Wipe the metal probe with towel or tissue paper after each test. Make it clean and dry. till the display show "0".



**GLINPK**

| Model No. | Pack of |
|-----------|---------|
| GLINPK    | 3       |



Buy Now!

### Technical Specification :

|                |  |
|----------------|--|
| Range          | : 0-1999 mg/Kg(mg/l)                           |
| Resolution     | : 1mg/kg(mg/l)                                 |
| Accuracy       | : $\pm 0.2$ F.S.                               |
| Operating Temp | : 5-45 °C (41-113°F) /ATC                      |
| Calibration    | : Factory calibrated                           |
| Power supply   | : DC 9V (9V580/6F22Ni-MH rechargeable battery) |
| Display        | : LCD with back light                          |
| Dimension      | : $\text{AE}50.5 \times 250$ mm                |
| Probe length   | : 140mm  |
| Features       | : Auto switch off in about 5 minutes           |
| Weight         | : 390 Gms (Approx)                             |
| IP Class       | : 64   |

## DIGITAL pH TESTER *New*

### for Soil testing

The tester features with innovative nanotechnology metal material sensor, for fast and easy test of pH value of soil, fruit, meat, cheese and other semi-solid media.

#### Operating Instruction

1. Take off the protective cap from metal probe
2. Press OFF/ON button. Tester displays "7.00".
3. Insert the metal probe vertically into the sample that requires testing, at least 6-8cm deep. Make sure there is close contact(Soil need to humid~60%-80%). The tester will start testing automatically. After about 1 minute the test is over. Indication light will be on for about 10 seconds. The displayed number is locked, which is the value of pH.
4. After each test, take out the tester, wipe the metal probe clean with towel or tissue paper. Display will be unlocked, and show "7.00". It is ready for a new test.
5. After use, wipe the metal probe clean until it displays "7.00". Switch off the tester.



GLIPH

| Model No. | Pack of |
|-----------|---------|
| GLIPH     | 2       |



Buy Now!

#### Technical Specification :

|                |  |
|----------------|--|
| Range          | : pH: 3.0-14.0 pH  |
| Resolution     | : 0.10 pH  |
| Accuracy       | : ±0.2 pH(3.0-12.0 pH)   |
| Operating Temp | : 5-45 °C  |
| Calibration    | : 1 point (Factory calibrated -No more calibration)  |
| Power supply   | : DC 9V(L1022 battery)   |
| Display        | : LCD  |
| Dimension      | : 50.5 x 250 mm  |
| Probe length   | : 140mm  |
| Features       | : Automatic detection of data and lock to keep, automatic switch to OFF in 5 minutes (or manual shutdown). |
| Weight         | : 110 Gms (Approx)   |
| IP Class       | : 64   |



Buy Now!

## Socket, Unprinted

| Item Code   | Socket Size | Approx. O.D. of tube (mm) | Total Length (mm) | Pack of |
|-------------|-------------|---------------------------|-------------------|---------|
| 001.202.02  | 10/19       | 13                        | 120±10            | 10      |
| 001.202.03  | 12/21       | 16                        | 120±10            | 10      |
| 001.202.04  | 14/23       | 18                        | 120±10            | 10      |
| 001.202.05  | 19/26       | 22                        | 125±10            | 10      |
| 001.202.06  | 24/29       | 28                        | 135±10            | 10      |
| 001.202.07  | 29/32       | 32                        | 135±10            | 10      |
| 001.202.08  | 34/35       | 38                        | 150±10            | 10      |
| 001.202.09* | 40/38       | 45                        | 150±10            | 10      |
| 001.202.10  | 45/40       | 50                        | 150±10            | 10      |
| 001.202.11* | 50/42       | 55                        | 150±10            | 10      |
| 001.202.12* | 55/44       | 60                        | 150±10            | 10      |

\* Non DIN



Buy Now!

## Cone, Unprinted

|             |       |    |        |    |
|-------------|-------|----|--------|----|
| 002.202.02  | 10/19 | 8  | 120±10 | 10 |
| 002.202.03  | 12/21 | 9  | 120±10 | 10 |
| 002.202.04  | 14/23 | 13 | 120±10 | 10 |
| 002.202.05  | 19/26 | 16 | 125±10 | 10 |
| 002.202.06  | 24/29 | 22 | 135±10 | 10 |
| 002.202.07  | 29/32 | 26 | 135±10 | 10 |
| 002.202.08  | 34/35 | 30 | 150±10 | 10 |
| 002.202.09* | 40/38 | 36 | 150±10 | 10 |
| 002.202.10  | 45/40 | 40 | 150±10 | 10 |
| 002.202.11* | 50/42 | 45 | 150±10 | 10 |
| 002.202.12* | 55/44 | 50 | 150±10 | 10 |

\* Non DIN

## Cone, with drip tip, Unprinted

| Item Code   | Socket Size | Approx. O.D. of tube (mm) | Total Length (mm) | Pack of |
|-------------|-------------|---------------------------|-------------------|---------|
| 003.202.03  | 12/21       | 9                         | 120±10            | 10      |
| 003.202.04  | 14/23       | 13                        | 120±10            | 10      |
| 003.202.05  | 19/26       | 16                        | 120±10            | 10      |
| 003.202.06  | 24/29       | 22                        | 150±15            | 10      |
| 003.202.07  | 29/32       | 26                        | 150±15            | 10      |
| 003.202.08  | 34/35       | 30                        | 150±15            | 10      |
| 003.202.09* | 40/38       | 36                        | 150±15            | 10      |
| 003.202.10  | 45/40       | 40                        | 150±15            | 10      |
| 003.202.11* | 50/42       | 45                        | 150±15            | 10      |
| 003.202.12* | 55/44       | 50                        | 150±15            | 10      |

\* Non DIN

## Socket, Double

- Complies with DIN 12249

| Item Code   | Socket Size | Approx. O.D. of tube (mm) | Total Length (mm) | Pack of |
|-------------|-------------|---------------------------|-------------------|---------|
| 006.202.02* | 10/19       | 14                        | 135±2             | 10      |
| 006.202.03  | 14/23       | 18                        | 135±2             | 10      |
| 006.202.04  | 19/26       | 22                        | 140±2             | 10      |
| 006.202.05  | 24/29       | 28                        | 170±5             | 10      |
| 006.202.06  | 29/32       | 32                        | 170±5             | 10      |
| 006.202.07  | 34/35       | 38                        | 180±5             | 10      |

\* Non DIN

## Keck Clips for Joins

- Outstanding chemical resistant.
- Autoclavable with maximum temp of 135°C.

| Item Code  | N/S   | Colour | Pack of |
|------------|-------|--------|---------|
| 007.204.03 | 14/23 | Yellow | 100     |
| 007.204.04 | 19/26 | Blue   | 100     |
| 007.204.05 | 24/29 | Green  | 100     |
| 007.204.06 | 29/32 | Red    | 100     |



Buy Now!



Buy Now!



Buy Now!



GLASS  
BORO  
3.3



Buy Now!

## Spherical Joint, Ball

- Complies with DIN 12264
- Unprinted sockets to avoid getting printed charred
- Smooth grinding surface finish to avoid leakage

| Item Code  | Cup Joint (Male) | Code Approx. Bore | Minimum Shank Length (mm) | Pack of |
|------------|------------------|-------------------|---------------------------|---------|
| 008.202.02 | S13              | 5                 | 100                       | 10      |
| 008.202.03 | S19              | 9                 | 100                       | 10      |
| 008.202.04 | S29              | 15                | 100                       | 10      |
| 008.202.05 | S35              | 19                | 100                       | 10      |
| 008.202.06 | S41              | 27                | 100                       | 10      |



GLASS  
BORO  
3.3



Buy Now!

## Spherical Joint, Cup

- Complies with DIN 12264

| Item Code  | Cup Joint (Male) | Code Approx. Bore | Minimum Shank Length (mm) | Pack of |
|------------|------------------|-------------------|---------------------------|---------|
| 009.202.02 | S13              | 5                 | 100                       | 10      |
| 009.202.03 | S19              | 9                 | 100                       | 10      |
| 009.202.04 | S29              | 15                | 100                       | 10      |
| 009.202.05 | S35              | 19                | 100                       | 10      |
| 009.202.06 | S41              | 27                | 100                       | 10      |

## Metal clamp for spherical joint clips

| Item Code  | Description            | Pack of |
|------------|------------------------|---------|
| 010.202.01 | JOINTS CLIPS METAL S13 | 10      |
| 010.202.02 | JOINTS CLIPS METAL S19 | 10      |
| 010.202.03 | JOINTS CLIPS METAL S29 | 10      |
| 010.202.04 | JOINTS CLIPS METAL S35 | 10      |
| 010.202.05 | JOINTS CLIPS METAL S41 | 10      |



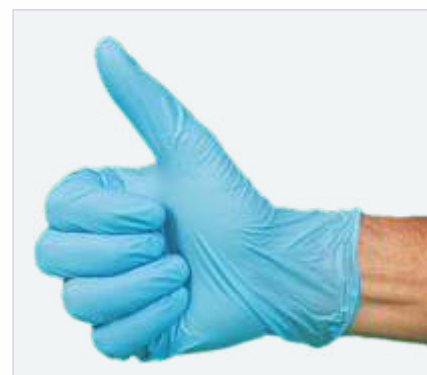
## Gloves, Laboratory

- Made of Nitrile

| Item Code  | Size (mm) | Pack of  |
|------------|-----------|----------|
| 505.303.07 | Small     | 50 Pairs |
| 505.303.08 | Medium    | 50 Pairs |
| 505.303.09 | Large     | 50 Pairs |



Buy Now!



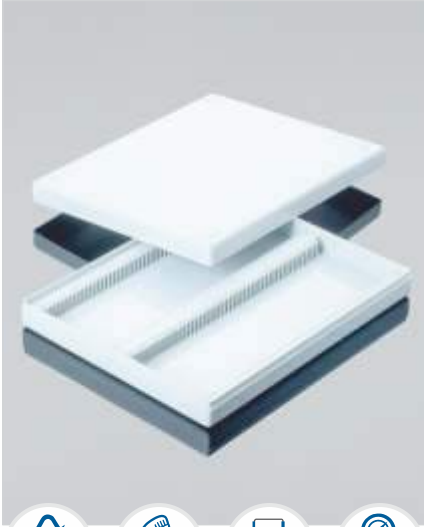
## Microscopic Slides

| Item Code  | Type                               | Pack of |
|------------|------------------------------------|---------|
| 565.303.01 | Ground edges, Plain 76/26          | 50      |
| 565.303.02 | Ground edges, Double sides frosted | 50      |



Buy Now!





Buy Now!

### Box, Slide

- Made of Polystyrene
- Durable, compact & provide utmost protection to 1" x 3" slides
- Heavy walls will not warp, splinter or crack
- Boxes are unaffected by humidity and are thoroughly insect proof

| Item Code  | Quantity   | Pack of |
|------------|------------|---------|
| 129.303.01 | 25 Slides  | 12      |
| 129.303.02 | 50 Slides  | 12      |
| 129.303.03 | 100 Slides | 6       |



Buy Now!

### Cover Glass

- Comes in 0.13 - 0.17 mm Thickness

| Item Code  | Size    | Pack of |
|------------|---------|---------|
| 566.303.01 | 18 x 18 | 50      |
| 566.303.02 | 20 x 20 | 50      |
| 566.303.03 | 22 x 22 | 50      |
| 566.303.04 | 24 x 24 | 50      |

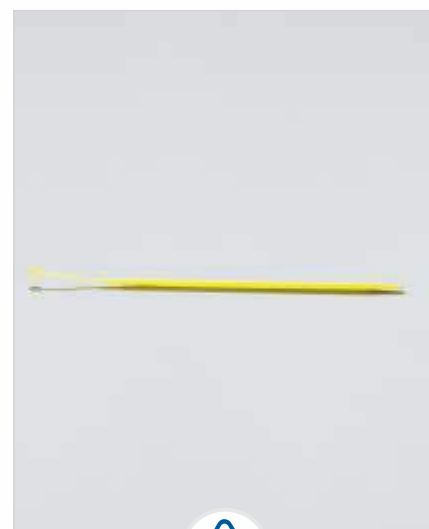
## Soft Loop Sterile

- Made of Polystyrene

| Item Code  | Capacity           | Pack of |
|------------|--------------------|---------|
| 202.303.01 | 1ul (Soft Loopes)  | 100     |
| 202.303.02 | 10ul (Soft Loopes) | 100     |



Buy Now!



## Stirrer

- Made of Polypropylene
- Useful for stirring different solutions in the laboratory
- Are tough and long lasting

| Item Code  | Dia. (mm) | Length | Pack of |
|------------|-----------|--------|---------|
| 193.303.01 | 6         | 150    | 12      |
| 193.303.02 | 7         | 200    | 12      |
| 193.303.03 | 7         | 250    | 12      |
| 193.303.04 | 7         | 300    | 12      |
| 193.303.05 | 10        | 250    | 12      |



Buy Now!







Buy Now!

## Wire Gauge

- Ceramic Center
- Goes Upto 800°C

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 524.303.01 | 100 x 100 | 10      |
| 524.303.02 | 125 x 125 | 10      |
| 524.303.03 | 150 x 150 | 10      |
| 524.303.04 | 200 x 200 | 10      |



Buy Now!

## Weighing Scoops

- Open tubular arm
- Suitable for use when small quantity of dyes or powders are to be weighed

| Item Code   | Cap. (ml) | Pack of |
|-------------|-----------|---------|
| 245.202.00  | 0.5       | 10      |
| 245.202.00A | 1         | 10      |
| 245.202.00B | 2         | 10      |
| 245.202.01  | 3         | 10      |
| 245.202.02  | 6         | 10      |
| 245.202.03  | 10        | 10      |

## Glass Stirrer

- Ideal for very sensitive samples
- Made of polished 3.3 borosilicate glass

| Item Code   | O.D.x Length (mm) | Quantity |
|-------------|-------------------|----------|
| 090.202.02  | 7 x 150           | 20       |
| 090.202.02A | 7 x 205           | 20       |
| 090.202.02B | 7 x 255           | 20       |
| 090.202.02C | 7 x 305           | 20       |
| 090.202.04  | 9 x 150           | 20       |
| 090.202.04A | 9 x 205           | 20       |
| 090.202.04B | 9 x 255           | 20       |
| 090.202.04C | 9 x 305           | 20       |



Buy Now!



GLASS  
BORO  
3.3

## Boxes, Storage

- Made of polypropylene
- Prove to be an excellent option for storage of different powdered reagents & other material in the laboratory
- Square shape of these boxes help in saving shelf space
- Autoclavable
- Provide good chemical resistance & heavy duty service

| Item Code  | Size (ml) | Pack of |
|------------|-----------|---------|
| 189.303.01 | 250       | 12      |
| 189.303.02 | 500       | 12      |
| 189.303.03 | 1000      | 12      |



Buy Now!





Soda Glass



## Jars, Specimen

- Made from Soda glass
- Specially blown to give sturdiness and long life
- Top edges are flat ground
- Not recommended for use over a direct flame or on a hot plate
- Covers are made from Soda glass



Buy Now!

| Item Code  | Approx Quantity<br>L X B X H (mm) | Pack of |
|------------|-----------------------------------|---------|
| 208.303.03 | 210 X 170 X 130                   | 1       |
| 208.303.04 | 220 X 140 X 140                   | 1       |
| 208.303.05 | 225 X 225 X 125                   | 1       |
| 208.303.06 | 250 X 250 X 150                   | 1       |

\*Prices on request for borosilicate specimen jar



GLASS BORO 3.3



## Watch Glass, Neutral Glass



Buy Now!

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 564.303.07 | 50        | 10      |
| 564.303.08 | 65        | 10      |
| 564.303.09 | 75        | 10      |
| 564.303.10 | 100       | 10      |
| 564.303.11 | 125       | 10      |
| 564.303.12 | 150       | 10      |

## Parafilm M Dispenser

- Made of Acrylic
- Used for storing, dispensing and cutting Parafilm® M
- Can hold both 2" & 4" rolls, Tapes & labels
- Can be easily cut through super sharp serrated blades
- Openable top lid allow easy filling into the dispenser

| Item Code  | Size (LxWxH) mm | Pack of |
|------------|-----------------|---------|
| 250.303.01 | 180 x 120 x 160 | 1       |



Buy Now!



## Natural Rubber Cones:

| Item Code  | Size (ml) | Pack of |
|------------|-----------|---------|
| 404.303.01 | 250       | 4       |
| 404.303.02 | 500       | 4       |
| 404.303.03 | 1000      | 4       |
| 404.303.04 | 2000      | 4       |
| 404.303.05 | 5000      | 4       |
| 404.303.06 | 10,000    | 4       |



Buy Now!



## Silicon Rubber Cones:



SiO<sub>2</sub>



Buy Now!

| Item Code  | Size (ml) | Pack of |
|------------|-----------|---------|
| 404.363.01 | 250       | 4       |
| 404.363.02 | 500       | 4       |
| 404.363.03 | 1000      | 4       |
| 404.363.04 | 2000      | 4       |
| 404.363.05 | 5000      | 4       |
| 404.363.06 | 10,000    | 4       |

| Cat No.    | DESCRIPTION   | Pcs/Pack |
|------------|---|----------|
| 355.202.01 | Both end open Melting point capillary 5" long 1/100, 125mm  | 1 Vial   |
| 356.202.01 | Plano Haemometer  | 1 Pcs    |
| 357.202.01 | Haemocytometer Standerd with WBC & RBC PPT.   | 1Set     |
| 358.202.01 | Neubauer Counting Chamber Standard  | 1Pcs     |
| 359.202.01 | SQUARE TUBES: Manufactured from borosilicate glass tubing<br><ul style="list-style-type: none"> <li>Capacity: 14.5 &amp; 17Gram Use for to Measure Hemoglobin Percentage in Blood</li> <li>Manufactured as per I.S.I.Specification.</li> </ul>  | 1Pcs     |
| 360.202.01 | ZERO ERROR 20CMM PIPETTE (HB PIPETTE)<br><ul style="list-style-type: none"> <li>Manufactured by borosilicate Glass Attached with Silicon Rubber Tubing</li> <li>Piece Approximate (Length 6" O.D.6 mmX 1mm Wall thickness)</li> <li>Manufactured as per I.S.I.Specification</li> </ul>  | 1Pcs     |
| 361.202.01 | DROPPER: Made of Glass with Rubber Bung   | 1Pcs     |
| 362.202.01 | ESRITE PIPETTE: Packing Size 1 Pk (Contain 10 Pcs & 5 Pcs)<br><ul style="list-style-type: none"> <li>Made of Borosilicate Glass.</li> <li>To be used for Erythrocyte Sedimentation Rate.</li> <li>Available in two different types i.e. One End Ground &amp; Other One is Graduated with Printed scale</li> <li>Autoclavable</li> </ul> | 1Pcs     |
| 363.202.01 | WESTERN GREEN PIPETTE: 1 Pck Consist 10Pcs.<br><ul style="list-style-type: none"> <li>Made of Borosilicate Glass.</li> <li>Graduaction Printed on glass tubing.</li> <li>One End Graduated to be use for Erythrocyte Sedimentation Rate.</li> <li>Manufactured as per I.S.I. Specification</li> <li>Autoclvable</li> </ul>              | 1Pcs     |
| 364.202.01 | W.G. Apparatus (E.S.R.) Powder Coated (6 Tube)<br><ul style="list-style-type: none"> <li>Made of Aluminium with Powder Coated for 6 ESR.</li> </ul>   | 1Pcs     |
| 365.202.01 | W.B.C. PIPETTE:<br><ul style="list-style-type: none"> <li>Made of Borosilicate Glass. With Rubber Tubing attach with Mouth Piece individually pack</li> </ul>   | 1Pcs     |
| 366.202.01 | R.B.C. PIPETTE:<br><ul style="list-style-type: none"> <li>Made of Borosilicate Glass. With Rubber Tubing attach with Mouth Piece individually pack</li> </ul>   | 1Pcs     |
| 367.202.01 | NON HEPERNISED CAPILLARY 1/100, 75MM  | 1VIAL    |

## Variable Micropipette, High Performance Micro Volume Pipette, Single Channel

- Fully autoclavable & UV resistance
- "CE" mark awarded
- Click-stop system for digital volume setting.
- Ergonomic Design ensuring light weight & soft plunger movement.
- Two step plunger operation allows "reverse pipetting technique".
- Calibration as per DIN 12650 & EN-ISO 8655 standards.
- High accuracy and precision guaranteed.
- Individual serial No. permanently marked on each pipette.
- Calibration report enclosed with every pipette.
- Color coded for easy identification

### Variable Micropipette

| Item Code  | Volume Range ( $\mu$ l) | Variable Increment ( $\mu$ l) | Colour | Pack of |
|------------|-------------------------|-------------------------------|--------|---------|
| 500.303.01 | 0.1 - 2.5               | 0.01                          |        | 1       |
| 500.303.02 | 0.5 - 10                | 0.1                           |        | 1       |
| 500.303.03 | 2 - 20                  | 0.1                           |        | 1       |
| 500.303.04 | 5 - 50                  | 0.5                           |        | 1       |
| 500.303.05 | 10 - 100                | 0.5                           |        | 1       |
| 500.303.06 | 50 - 200                | 1.0                           |        | 1       |
| 500.303.07 | 20 - 200                | 1.0                           |        | 1       |
| 500.303.08 | 100 - 1000              | 5.0                           |        | 1       |
| 500.303.09 | 200 - 1000              | 5.0                           |        | 1       |
| 500.303.10 | 500 - 5000              | 50.0                          |        | 1       |
| 500.303.11 | 1000 - 5000             | 50.0                          |        | 1       |
| 500.303.12 | 500 - 10000             | 100.0                         |        | 1       |
| 500.303.13 | 1000 - 10000            | 100.0                         |        | 1       |



Buy Now!



## Fixed Micropipette

| Item Code  | Volume Range ( $\mu$ l) | Colour | Pack of |
|------------|-------------------------|--------|---------|
| 501.303.01 | 2.5                     |        | 1       |
| 501.303.02 | 5                       |        | 1       |
| 501.303.03 | 10                      |        | 1       |
| 501.303.04 | 20                      |        | 1       |
| 501.303.05 | 25                      |        | 1       |
| 501.303.06 | 50                      |        | 1       |
| 501.303.07 | 100                     |        | 1       |
| 501.303.08 | 200                     |        | 1       |
| 501.303.09 | 250                     |        | 1       |
| 501.303.10 | 500                     |        | 1       |
| 501.303.11 | 1000                    |        | 1       |
| 501.303.12 | 2000                    |        | 1       |
| 501.303.13 | 5000                    |        | 1       |
| 501.303.14 | 10000                   |        | 1       |



Buy Now!



## High Performance Micro Volume Pipette, Multi Channel

- Fully autoclavable.
- UV resistance.
- "CE"mark awarded.
- Click-stop system for digital volume setting.
- Ergonomic Design ensuring light weight & soft plunger movement.
- Two step plunger operation allows "reverse pipetting technique".
- Calibration as per DIN 12650 & EN-ISO 8655 standards.
- High accuracy and precision guaranteed.
- Individual serial No. permanently marked on each pipette.
- Calibration report enclosed with every pipette.
- Color coded for easy identification.
- Manifold can rotate 360° to allow convenient pipetting angle.
- One hand tip ejection.



Buy Now!

## Eight Channel Micropipette

| Item Code  | Volume Range (µl) | Increment (µl) | Colour       | Pack of |
|------------|-------------------|----------------|--------------|---------|
| 500.303.14 | 0.5 - 10          | 0.1            | Dark Purple  | 1       |
| 500.303.15 | 5 - 50            | 0.5            | Red          | 1       |
| 500.303.16 | 10 - 100          | 0.5            | Orange       | 1       |
| 500.303.17 | 20 - 200          | 0.5            | Yellow       | 1       |
| 500.303.18 | 30 - 300          | 1.0            | Light Orange | 1       |

## Twelve Channel Micropipette

| Item Code  | Volume Range (µl) | Increment (µl) | Colour       | Pack of |
|------------|-------------------|----------------|--------------|---------|
| 500.303.19 | 0.5 - 10          | 0.1            | Dark Purple  | 1       |
| 500.303.20 | 5 - 50            | 0.5            | Red          | 1       |
| 500.303.21 | 10 - 100          | 0.5            | Orange       | 1       |
| 500.303.22 | 20 - 200          | 0.5            | Yellow       | 1       |
| 500.303.23 | 30 - 300          | 1.0            | Light Orange | 1       |



Buy Now!

## Universal Graduated Tips

### Bulk Pack :

- Packed in Polyethylene bag with easy tearing.
- Perforation & Zip lock - Double sealing provides better protection against contamination and spillage while in use
- Free DNase, RNase, Human DNA, Pyrogen & PCR inhibitor
- All Micropipettes come in 1000 Pcs.

### 10 µl Universal Graduated Tips, 1000 Tips per pack

| Item Code     | Sterile | Low Retention | Filter | Pack of |
|---------------|---------|---------------|--------|---------|
| 500.10.B      | -       | -             | -      | 1000    |
| 500.10.S.B    | √       | -             | -      | 1000    |
| 500.10.FB     | -       | -             | √      | 1000    |
| 500.10.S.L.B  | √       | √             | -      | 1000    |
| 500.10.S.FB   | √       | -             | √      | 1000    |
| 500.10.S.L.FB | √       | √             | √      | 1000    |



Buy Now!



### 10 µl Universal Graduated Tips, 1000 Tips per pack

| Item Code       | Sterile | Low Retention | Filter | Pack of |
|-----------------|---------|---------------|--------|---------|
| 500.10XL.B      | -       | -             | -      | 1000    |
| 500.10XL.S.B    | √       | -             | -      | 1000    |
| 500.10XL.FB     | -       | -             | √      | 1000    |
| 500.10XL.S.L.B  | √       | √             | -      | 1000    |
| 500.10XL.S.FB   | √       | -             | √      | 1000    |
| 500.10XL.S.L.FB | √       | √             | √      | 1000    |



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### 20 µl Universal Graduated Tips, 1000 Tips per pack

| Item Code     | Sterile | Low Retention | Filter |
|---------------|---------|---------------|--------|
| 500.20.FB     | -       | -             | √      |
| 500.20.S.FB   | √       | -             | √      |
| 500.20.S.L.FB | √       | √             | √      |



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Buy Now!

| 50 µl Universal Graduated Tips, 1000 Tips per pack |         |               |        |         |
|--|---------|---------------|--------|---------|
| Item Code  | Sterile | Low Retention | Filter | Pack of |
| 500.50.FB  | -       | -             | √      | 1000    |
| 500.50.S.FB  | √       | -             | √      | 1000    |
| 500.50.S.L.FB                                      | √       | √             | √      | 1000    |



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## Bulk Pack :

| 100 µl Universal Graduated Tips, 1000 Tips per pack |         |               |        |         |
|---|---------|---------------|--------|---------|
| Item Code   | Sterile | Low Retention | Filter | Pack of |
| 500.100.FB  | -       | -             | √      | 1000    |
| 500.100.S.FB  | √       | -             | √      | 1000    |
| 500.100.S.L.FB                                      | √       | √             | √      | 1000    |



Buy Now!

| 200 µl Universal Graduated Tips, 1000 Tips per pack |         |               |        |         |
|---|---------|---------------|--------|---------|
| Item Code   | Sterile | Low Retention | Filter | Pack of |
| 500.200.B   | -       | -             | -      | 1000    |
| 500.200.S.B   | √       | -             | -      | 1000    |
| 500.200.FB  | -       | -             | √      | 1000    |
| 500.200.S.L.B                                       | √       | √             | -      | 1000    |
| 500.200.S.FB  | √       | -             | √      | 1000    |
| 500.200.S.L.FB                                      | √       | √             | √      | 1000    |

## 1000 $\mu$ l Universal Graduated Tips, 1000 Tips per pack

| Item Code       | Sterile | Low Retention | Filter | Pack of |
|-----------------|---------|---------------|--------|---------|
| 500.1000.B      | -       | -             | -      | 1000    |
| 500.1000.S.B    | ✓       | -             | -      | 1000    |
| 500.1000.FB     | -       | -             | ✓      | 1000    |
| 500.1000.S.L.B  | ✓       | ✓             | -      | 1000    |
| 500.1000.S.FB   | ✓       | -             | ✓      | 1000    |
| 500.1000.S.L.FB | ✓       | ✓             | ✓      | 1000    |



Buy Now!



## 1250 $\mu$ l Universal Graduated Tips, 1000 Tips per pack

| Item Code         | Sterile | Low Retention | Filter | Pack of |
|-------------------|---------|---------------|--------|---------|
| 500.1000XL.B      | -       | -             | -      | 1000    |
| 500.1000XL.S.B    | ✓       | -             | -      | 1000    |
| 500.1000XL.FB     | -       | -             | ✓      | 1000    |
| 500.1000XL.S.L.B  | ✓       | ✓             | -      | 1000    |
| 500.1000XL.S.FB   | ✓       | -             | ✓      | 1000    |
| 500.1000XL.S.L.FB | ✓       | ✓             | ✓      | 1000    |



Buy Now!



## Pipette Stand, Acrylic

| Item Code  | Capacity   | Pack of |
|------------|------------|---------|
| 590.303.01 | 1 Pipette  | 1000    |
| 590.303.02 | 4 Pipettes | 1000    |
| 590.303.03 | 6 Pipettes | 1000    |



Buy Now!



## Rack

- Fully autoclavable & Stackable
- Hinge rack allows single hand operation
- Color coded tray for Easy identification
- Free from DNase, RNase, Human DNA, Pyrogen & PCR inhibitor



Autoclavable

Stackable



Buy Now!

| Item Code         | Tips Volume (ul) | Description (1 Box Consist of) | Sterile | Low Retention | Filter | Pack |
|-------------------|------------------|--------------------------------|---------|---------------|--------|------|
| 500.10.R          | 10               | 96 Tips x10 Racks              | -       | -             | -      | 1    |
| 500.10.S.R        | 10               | 96 Tips x 10 Racks             | √       | -             | -      | 1    |
| 500.10.FR         | 10               | 96 Tips x 10 Racks             | -       | -             | √      | 1    |
| 500.10.S.L.R      | 10               | 96 Tips x 10 Racks             | √       | √             | -      | 1    |
| 500.10.S.FR       | 10               | 96 Tips x 10 Racks             | √       | -             | √      | 1    |
| 500.10.S.L.FR     | 10               | 96 Tips x 10 Racks             | √       | √             | √      | 1    |
| 500.10XL.R        | 10 (Long)        | 96 Tips x 10 Racks             | -       | -             | -      | 1    |
| 500.10XL.S.R      | 10 (Long)        | 96 Tips x 10 Racks             | √       | -             | -      | 1    |
| 500.10XL.FR       | 10 (Long)        | 96 Tips x 10 Racks             | -       | -             | √      | 1    |
| 500.10XL.S.L.R    | 10 (Long)        | 96 Tips x 10 Racks             | √       | √             | -      | 1    |
| 500.10XL.S.FR     | 10 (Long)        | 96 Tips x 10 Racks             | √       | -             | √      | 1    |
| 500.10XL.S.L.FR   | 10 (Long)        | 96 Tips x 10 Racks             | √       | √             | √      | 1    |
| 500.20.FR         | 20               | 96 Tips x 10 Racks             | -       | -             | √      | 1    |
| 500.20.S.FR       | 20               | 96 Tips x 10 Racks             | √       | -             | √      | 1    |
| 500.20.S.L.FR     | 20               | 96 Tips x 10 Racks             | √       | √             | √      | 1    |
| 500.50.FR         | 50               | 96 Tips x 10 Racks             | -       | -             | √      | 1    |
| 500.50.S.FR       | 50               | 96 Tips x 10 Racks             | √       | -             | √      | 1    |
| 500.50.S.L.FR     | 50               | 96 Tips x 10 Racks             | √       | √             | √      | 1    |
| 500.100.FR        | 100              | 96 Tips x 10 Racks             | -       | -             | √      | 1    |
| 500.100.S.FR      | 100              | 96 Tips x 10 Racks             | √       | -             | √      | 1    |
| 500.100.S.L.FR    | 100              | 96 Tips x 10 Racks             | √       | √             | √      | 1    |
| 500.200.R         | 200              | 96 Tips x 10 Racks             | -       | -             | -      | 1    |
| 500.200.S.R       | 200              | 96 Tips x 10 Racks             | √       | -             | -      | 1    |
| 500.200.FR        | 200              | 96 Tips x 10 Racks             | -       | -             | √      | 1    |
| 500.200.S.L.R     | 200              | 96 Tips x 10 Racks             | √       | √             | -      | 1    |
| 500.200.S.FR      | 200              | 96 Tips x 10 Racks             | √       | -             | √      | 1    |
| 500.200.S.L.FR    | 200              | 96 Tips x 10 Racks             | √       | √             | √      | 1    |
| 500.1000.R        | 1000             | 96 Tips x 6 Racks              | -       | -             | -      | 1    |
| 500.1000.S.R      | 1000             | 96 Tips x 6 Racks              | √       | -             | -      | 1    |
| 500.1000.FR       | 1000             | 96 Tips x 6 Racks              | -       | -             | √      | 1    |
| 500.1000.S.L.R    | 1000             | 96 Tips x 6 Racks              | √       | √             | -      | 1    |
| 500.1000.S.FR     | 1000             | 96 Tips x 6 Racks              | √       | -             | √      | 1    |
| 500.1000.S.L.FR   | 1000             | 96 Tips x 6 Racks              | √       | √             | √      | 1    |
| 500.1000XL.R      | 1250             | 96 Tips x 6 Racks              | -       | -             | -      | 1    |
| 500.1000XL.S.R    | 1250             | 96 Tips x 6 Racks              | √       | -             | -      | 1    |
| 500.1000XL.FR     | 1250             | 96 Tips x 6 Racks              | -       | -             | √      | 1    |
| 500.1000XL.S.L.R  | 1250             | 96 Tips x 6 Racks              | √       | √             | -      | 1    |
| 500.1000XL.S.FR   | 1250             | 96 Tips x 6 Racks              | √       | -             | √      | 1    |
| 500.1000XL.S.L.FR | 1250             | 96 Tips x 6 Racks              | √       | √             | √      | 1    |



Autoclavable

Stackable

## Reloading Tray

- Reload rack with minimal efforts
- Tips pre- arranged in 8x12 format
- Minimal wastage
- Free from DNase, RNase, Human DNA, Pyrogen & PCR inhibitor

| Item Code        | Tips Volume (ul) | Description (1 Box Consist of) | Sterile | Low Retention | Pack of |
|------------------|------------------|--------------------------------|---------|---------------|---------|
| 500.10.K         | 10               | 96 Tips x10 Racks              | -       | -             | 1       |
| 500.10.S.K       | 10               | 96 Tips x 10 Racks             | ✓       | -             | 1       |
| 500.10.S.L.K     | 10               | 96 Tips x 10 Racks             | ✓       | ✓             | 1       |
| 500.200.K        | 200              | 96 Tips x 10 Racks             | -       | -             | 1       |
| 500.200.S.K      | 200              | 96 Tips x 10 Racks             | ✓       | -             | 1       |
| 500.200.S.L.K    | 200              | 96 Tips x 10 Racks             | ✓       | ✓             | 1       |
| 500.1000.K       | 1000             | 96 Tips x 5 Racks              | -       | -             | 1       |
| 500.1000.S.K     | 1000             | 96 Tips x 5 Racks              | ✓       | -             | 1       |
| 500.1000.S.L.K   | 1000             | 96 Tips x 5 Racks              | ✓       | ✓             | 1       |
| 500.1000XL.K     | 1250             | 96 Tips x 6 Racks              | -       | -             | 1       |
| 500.1000XL.S.K   | 1250             | 96 Tips x 6 Racks              | ✓       | -             | 1       |
| 500.1000XL.S.L.K | 1250             | 96 Tips x 6 Racks              | ✓       | ✓             | 1       |



Buy Now!



## Tips Empty Racks

| Item Code      | Capacity (ml)                        | Pack of |
|----------------|--------------------------------------|---------|
| 500.10.E.R     | Tip rack empty for 10 $\mu$ l tips   | 1       |
| 500.200.E.R    | Tip rack empty for 200 $\mu$ l tips  | 1       |
| 500.1000.E.R   | Tip rack empty for 1000 $\mu$ l tips | 1       |
| 500.1000XL.E.R | Tip rack empty for 1250 $\mu$ l tips | 1       |



Buy Now!

## GLASSCO BOTTLE TOP DISPENSER

### With Re-Circulation Valve

- Fully autoclavable at 121°C , 15 psi for 10-15 mins.
- “CE” mark awarded.
- Smooth & soft plunger for ease of working.
- Highly robust and reliable dispensing technique.
- It has re-circulation valve for re-directing the liquid into the bottle for bubble free dispensing without any loss of reagent.
- Adjustable delivery nozzle to facilitate dispensing ease in all demanding laboratory conditions. 180° Rotation for easy & effortless volume setting.
- Specially designed adapter allows 360° rotation, providing full flexibility in working.
- Specially designed, springless, PTFE valve manifold ensures high chemical compatibility and jamming free valve functioning.
- PTFE Piston with ETP O-Ring ensures very high chemical compatibility & wiper like smooth, effortless piston movement.
- Adaptors to fit most of the laboratory reagent bottles are provided in the following sizes : 28,30,32,36,40 & 45 mm.
- Calibration as per ISO 8655 standards.



### Specifications & Ordering Information

| Model No.  | Vol. Range  | Increment | ISO 8655 Specifications |       |     |       | Glassco Specifications |       |     |       |         |
|------------|-------------|-----------|-------------------------|-------|-----|-------|------------------------|-------|-----|-------|---------|
|            |             |           | CV                      |       | CV  |       | Accuracy               |       | CV  |       | Pack of |
|            |             |           | ±%                      | ± ml  | ±%  | ± ml  | ±%                     | ± ml  | ±%  | ± ml  |         |
| 500.444.01 | 0.25-2.5 ml | 0.05 ml   | 0.6                     | 0.015 | 0.2 | 0.005 | 0.6                    | 0.015 | 0.2 | 0.005 | 1       |
| 500.444.02 | 0.5-5 ml    | 0.1 ml    | 0.6                     | 0.030 | 0.2 | 0.010 | 0.5                    | 0.025 | 0.1 | 0.005 | 1       |
| 500.444.03 | 1-10 ml     | 0.2 ml    | 0.6                     | 0.060 | 0.2 | 0.020 | 0.5                    | 0.050 | 0.1 | 0.010 | 1       |
| 500.444.04 | 2.5-30 ml   | 0.5 ml    | 0.6                     | 0.180 | 0.2 | 0.060 | 0.5                    | 0.150 | 0.1 | 0.030 | 1       |
| 500.444.05 | 5-60 ml     | 1.0 ml    | 0.6                     | 0.360 | 0.2 | 0.120 | 0.5                    | 0.300 | 0.1 | 0.060 | 1       |
| 500.444.06 | 10-100 ml   | 2.0 ml    | 0.6                     | 0.600 | 0.2 | 0.200 | 0.5                    | 0.500 | 0.1 | 0.100 | 1       |



Buy Now!

## GLASSCO BOTTLE TOP DISPENSER

### Without Re-Circulation Valve

| Model No.  | Vol. Range  | Increment | ISO 8655 Specifications |       |     |       | Glassco Specifications |       |     |       |         |
|------------|-------------|-----------|-------------------------|-------|-----|-------|------------------------|-------|-----|-------|---------|
|            |             |           | CV                      |       | CV  |       | Accuracy               |       | CV  |       | Pack of |
|            |             |           | ±%                      | ± ml  | ±%  | ± ml  | ±%                     | ± ml  | ±%  | ± ml  |         |
| 500.555.01 | 0.25-2.5 ml | 0.05 ml   | 0.6                     | 0.015 | 0.2 | 0.005 | 0.6                    | 0.015 | 0.2 | 0.005 | 1       |
| 500.555.02 | 0.5-5 ml    | 0.1 ml    | 0.6                     | 0.030 | 0.2 | 0.010 | 0.5                    | 0.025 | 0.1 | 0.005 | 1       |
| 500.555.03 | 1-10 ml     | 0.2 ml    | 0.6                     | 0.060 | 0.2 | 0.020 | 0.5                    | 0.050 | 0.1 | 0.010 | 1       |
| 500.555.04 | 2.5-30 ml   | 0.5 ml    | 0.6                     | 0.180 | 0.2 | 0.060 | 0.5                    | 0.150 | 0.1 | 0.030 | 1       |
| 500.555.05 | 5-60 ml     | 1.0 ml    | 0.6                     | 0.360 | 0.2 | 0.120 | 0.5                    | 0.300 | 0.1 | 0.060 | 1       |
| 500.555.06 | 10-100 ml   | 2.0 ml    | 0.6                     | 0.600 | 0.2 | 0.200 | 0.5                    | 0.500 | 0.1 | 0.100 | 1       |



## GLASSCO BOTTLE TOP DISPENSER

### With Dual Inlet Technology

**PATENTED**

- Fully autoclavable at 121°C , 15 psi for 10-15 mins.
- “CE” mark awarded.
- Refill the bottle & rinse the instrument WITHOUT DISMOUNTING from bottle.
- Patented technology that combines unique functionality, user-friendliness & performance.
- First ever Dispenser offering Dilution , Rinsing , Dual Liquid Handling & Re-circulation in a single unit.
- Adjustable delivery nozzle to facilitate dispensing ease in all demanding laboratory conditions.
- 180° Rotation for easy & effortless volume setting.
- Specially designed adapter allows 360° rotation, providing full flexibility in working.
- Specially designed, springless, PTFE valve manifold ensures high chemical compatibility and jamming free valve functioning.
- PTFE Piston with ETP O-Ring ensures very high chemical compatibility & wiper like smooth, effortless piston movement.
- Adaptors to fit most of the laboratory reagent bottles are provided in the following sizes : 28,30,32,36,40 & 45 mm.
- Calibration as per ISO 8655 standards.



#### 1. STANDARD DISPENSING Knob A - Open Knob B - Closed

In this mode the dispenser dispenses the liquid normally into the receiver from the bottle it is mounted on.

#### 2. PURGING Knob A - Open Knob B - Closed

In this mode the liquid is re-circulated into the same bottle on which the dispenser is mounted. This process removes the air from the dispenser without wasting any reagent.



#### 3. DILUTION/RINSING/SECOND LIQUID DISPENSING Knob A - Open Knob B - Closed

In this mode the liquid from a second source can be dispensed into the receiver. The second liquid can be distilled water, thus allowing the user to rinse the instrument without dismounting from the bottle or for dilution of the reagent in the receiver.

#### 4. BOTTLE REFILLING Knob A - Open Knob B - Closed

In this mode the liquid from a second source can be used to refill the bottle without dismounting the dispenser.



### Specifications & Ordering Information

| Model No.  | Vol. Range  | Increment | ISO 8655 Specifications |               |       |         | Glassco Specifications |               |       |         |          |
|------------|-------------|-----------|-------------------------|---------------|-------|---------|------------------------|---------------|-------|---------|----------|
|            |             |           | Accuracy ±%             | Accuracy ± ml | CV ±% | CV ± ml | Accuracy ±%            | Accuracy ± ml | CV ±% | CV ± ml | Pcs/Pack |
| 500.450.01 | 0.25-2.5 ml | 0.05 ml   | 0.6                     | 0.015         | 0.2   | 0.005   | 0.6                    | 0.015         | 0.2   | 0.005   | 1        |
| 500.450.02 | 0.5-5 ml    | 0.1 ml    | 0.6                     | 0.030         | 0.2   | 0.010   | 0.5                    | 0.025         | 0.1   | 0.005   | 1        |
| 500.450.03 | 1-10 ml     | 0.2 ml    | 0.6                     | 0.060         | 0.2   | 0.020   | 0.5                    | 0.050         | 0.1   | 0.010   | 1        |
| 500.450.04 | 2.5-30 ml   | 0.5 ml    | 0.6                     | 0.180         | 0.2   | 0.060   | 0.5                    | 0.150         | 0.1   | 0.030   | 1        |
| 500.450.05 | 5-60 ml     | 1.0 ml    | 0.6                     | 0.360         | 0.2   | 0.120   | 0.5                    | 0.300         | 0.1   | 0.060   | 1        |
| 500.450.06 | 10-100 ml   | 2.0 ml    | 0.6                     | 0.600         | 0.2   | 0.200   | 0.5                    | 0.500         | 0.1   | 0.100   | 1        |



Buy Now!



MS

L-Key



Buy Now!

## Stand, Retort

- Complies with DIN 12892
- Stand material, mild steel, blue powder coated
- Rod Material, mild steel, chrome plated with L-Key

| Item Code  | Stand Size (mm) | Rod Size mm (Length x dia) | Pack of |
|------------|-----------------|----------------------------|---------|
| 309.303.01 | 150 x 100       | 500 x 12                   | 2       |
| 309.303.02 | 200 x 125       | 600 x 12                   | 2       |
| 309.303.03 | 250 x 150       | 750 x 12                   | 2       |



MS

L-Key



Buy Now!

## Stand, Retort

- Complies with DIN 12892
- Stand material, Cast Iron, black painted
- Rod Material, mild steel, chrome plated with L-Key

| Item Code  | Stand Size (mm) | Rod Size mm (Length x dia) | Pack of |
|------------|-----------------|----------------------------|---------|
| 310.303.01 | 150 x 100       | 950 x 10                   | 2       |
| 310.303.02 | 175 x 125       | 600 x 12.5                 | 2       |
| 310.303.03 | 200 x 125       | 600 x 12.5                 | 2       |
| 310.303.04 | 200 x 125       | 600 x 12                   | 2       |
| 310.303.05 | 225 x 150       | 750 x 12                   | 2       |
| 310.303.06 | 250 x 150       | 600 x 12                   | 2       |
| 310.303.07 | 250 x 200       | 750 x 12                   | 2       |
| 310.303.08 | 300 x 175       | 900 x 12                   | 2       |
| 310.303.09 | 250 x 150       | 750 x 12                   | 2       |

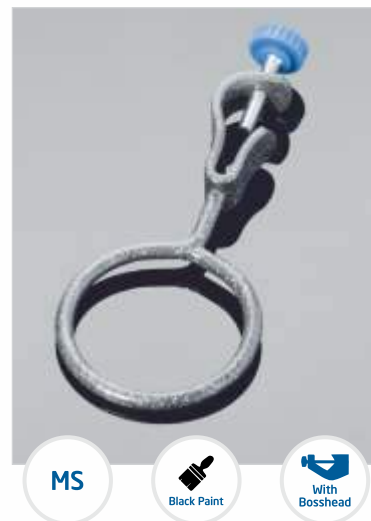
## Ring, Retort

- Material Mild Steel, black painted
- Available with boss head

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 313.303.01 | 50        | 4       |
| 313.303.02 | 62.5      | 4       |
| 313.303.03 | 75        | 4       |
| 313.303.04 | 100       | 4       |
| 313.303.05 | 125       | 2       |
| 313.303.06 | 150       | 2       |
| 313.303.07 | 200       | 2       |



Buy Now!



MS

Black Paint

With Bosshead

## Rod, Retort *New*

- Material Iron, chrome plated

| Item Code  | Size | Material | Pack of |
|------------|------|----------|---------|
| 371.303.01 | 500  | Chrome   | 500     |
| 371.303.02 | 600  | Chrome   | 600     |
| 371.303.03 | 750  | Chrome   | 750     |
| 371.303.04 | 500  | SS       | 500     |
| 371.303.05 | 600  | SS       | 600     |
| 371.303.06 | 750  | SS       | 750     |



Buy Now!



MS

Chrome Plated

With Bosshead

- Material mild steel, chrome plated
- Bosshead to steel rod dia 14mm

| Item Code  | Rod/Boss Head Length (mm) | Rod/Boss Head Dia (mm) | Type | Ring | Pack of |
|------------|---------------------------|------------------------|------|------|---------|
| 393.303.01 | 160                       | 7                      | 50   | Rod  | 4       |
| 393.303.02 | 200                       | 7                      | 70   | Rod  | 4       |
| 393.303.03 | 220                       | 8                      | 100  | Rod  | 4       |
| 393.303.04 | 220                       | 8                      | 120  | Rod  | 2       |



Buy Now!

## Ring, Retort

- Material mild steel, chrome plated
- Available with rod or bosshead
- Bosshead to steel rod dia 14mm

| Item Code  | Rod/Boss Head Length (mm) | Rod/Boss Head Dia (mm) | Type | Ring     | Pack of |
|------------|---------------------------|------------------------|------|----------|---------|
| 393.303.06 | 70                        | 7                      | 50   | Bosshead | 4       |
| 393.303.07 | 70                        | 7                      | 70   | Bosshead | 4       |
| 393.303.08 | 70                        | 8                      | 100  | Bosshead | 4       |
| 393.303.09 | 70                        | 8                      | 120  | Bosshead | 2       |



Buy Now!



MS

Chrome Plated

With Bosshead





### Clamp, Retort

- Complies with DIN 12894
- Cross pattern
- Die-casted
- To hold upto 65 mm



Buy Now!

| Item Code  | Type                  | Pack of |
|------------|-----------------------|---------|
| 324.303.01 | Aluminium, Cork Lined | 2       |
| 324.303.04 | Zinc, Cork Lined      | 2       |



### Clamp, Retort

- Complies with DIN 12894
- 3 Prong
- Material Aluminium, diecasted - Powder Coated
- Hold upto 50-65 mm circle
- MS Rod chrome plated



Buy Now!

| Item Code  | Type    | Pack of |
|------------|---------|---------|
| 326.303.02 | 3 Prong | 2       |

## Clamp, Universal

- Complies with DIN 12894
- Cork Lined
- Material Aluminium diecasted, powder coated
- MS Rod chrome plated
- Hold upto 50-65 mm circle

| Item Code  | Type       | Pack of |
|------------|------------|---------|
| 328.303.01 | Cork Lined | 2       |



Buy Now!



## Clamp, Condenser

- 4 Prong
- Material Aluminium, Powder Coated
- Hold upto 125 mm circle
- MS Rod chrome plated

| Item Code  | Type    | Pack of |
|------------|---------|---------|
| 334.303.02 | 4 Prong | 2       |



Buy Now!





## Clamp, Condenser

- 3 Prong
- Material Aluminium, Powder Coated
- To hold upto 125 mm circle
- MS Rod chrome plated



Buy Now!

| Item Code  | Type    | Pack of |
|------------|---------|---------|
| 335.303.02 | 3 Prong | 2       |



## Clamp, Retort, Euro Design

- 3 Prong to hold upto 75 mm
- Spring tube, double keys
- Rod with dia 7.5 mm & Length 235 mm
- Material Zinc Alloy, pressure diecasted, Chrome Coated
- Freely swivel, bosshead lockable at 360°C for 14 mm grip



Buy Now!

| Item Code  | Type                           | Pack of |
|------------|--------------------------------|---------|
| 390.303.01 | PVC sleeve with rod            | 2       |
| 390.303.02 | Silicone sleeve with rod       | 2       |
| 390.303.03 | PVC sleeve with boss Head      | 2       |
| 390.303.04 | SILICONE sleeve with boss Head | 2       |

## Clamp, Retort (Euro Design)

- 2 Prong to hold upto 80 mm
- Spring tube, double keys
- Rod with dia 7.5 mm & Length 235 mm
- Material Zinc Alloy, pressure diecasted, Chrome Coated
- Freely swivel, bosshead lockable at 360°C for 14 mm grip

| Item Code  | Type                           | Pack of |
|------------|--------------------------------|---------|
| 391.303.01 | Cork Lined with rod            | 2       |
| 391.303.02 | PVC sleeve with rod            | 2       |
| 391.303.03 | SILICONE sleeve with rod       | 2       |
| 391.303.04 | Cork lined with boss head      | 2       |
| 391.303.05 | PVC sleeve with boss head      | 2       |
| 391.303.06 | SILICONE sleeve with boss head | 2       |



Buy Now!



AI  
Diecasted

MS  
Rod

Chrome  
Coated

Two Prong

With  
Bosshead

SiO<sub>2</sub>  
Sleeved

ZINC  
Alloy

## Boss Head

- Complies with DIN 12895
- Material Cast Iron, black painted
- Use with retort stand & Condenser Clamp
- To hold upto 25mm

| Item Code  | Type           | Pack of |
|------------|----------------|---------|
| 337.303.03 | Hold upto 25mm | 4       |



Buy Now!

DIN  
12895



Cast  
Iron

Black  
Paint

DIN  
12895



Cast  
Iron

Black Paint



Buy Now!

## Boss Head

- Complies with DIN 12895
- To hold upto 20 mm
- Material Cast Iron, black painted
- Use with retort stand & Condenser Clamp

| Item Code  | Type           | Pack of |
|------------|----------------|---------|
| 338.303.03 | Hold upto 20mm | 4       |

DIN  
12895



SiO<sub>2</sub>  
Sleeved

ZINC  
Alloy

Black Powder  
Coated



Buy Now!

## Boss Head

- Complies with DIN 12895 standard
- Material Aluminium/Zinc, Powder Coated
- To hold upto 16 mm

| Item Code  | Type                   | Pack of |
|------------|------------------------|---------|
| 341.303.01 | Aluminium, Round Screw | 4       |
| 341.303.02 | Aluminium, Thumb Screw | 4       |
| 341.303.04 | Zinc, Round Screw      | 4       |
| 341.303.05 | Zinc, Thumb Screw      | 4       |

## Stand, Tripod

- Material Cast Iron, black painted
- Available with Round or triangle top

| Item Code  | Size (mm) | Top               | Pack of |
|------------|-----------|-------------------|---------|
| 344.303.01 | 100 x 150 | with round top    | 1       |
| 344.303.02 | 100 x 175 | with round top    | 1       |
| 344.303.03 | 100 x 200 | with round top    | 1       |
| 344.303.04 | 125 x 150 | with round top    | 1       |
| 344.303.05 | 125 x 175 | with round top    | 1       |
| 344.303.06 | 125 x 200 | with round top    | 1       |
| 344.303.07 | 100 x 150 | with triangle top | 1       |
| 344.303.08 | 100 x 175 | with triangle top | 1       |
| 344.303.09 | 100 x 200 | with triangle top | 1       |
| 344.303.10 | 125 x 150 | with triangle top | 1       |
| 344.303.11 | 125 x 175 | with triangle top | 1       |
| 344.303.12 | 125 x 200 | with triangle top | 1       |



Buy Now!



Cast Iron

Black Paint

## Burner, Bunsen

- Material Casted Iron Black painted
- Brass pipe, chrome plated
- Concentrated higher flame
- With Stopcock
- Use with L.P.G.

| Item Code  | Type                      | Pack of |
|------------|---------------------------|---------|
| 347.303.01 | Brass pipe, Single Walled | 1       |
| 347.303.02 | Brass pipe, Double Walled | 1       |



Buy Now!



Cast Iron

Black Paint

With Stop Cock

DIN  
30665



Cast  
Iron

### Burner, Meaker

- Complies with DIN 30665
- Material Casted Iron base, Red painted
- Brass pipe chrome plated
- Without Stopcock
- Use with L.P.G.



Buy Now!

| Item Code  | Pack of |
|------------|---------|
| 348.303.01 | 1       |

DIN  
30665



Cast  
Iron

With  
Stop  
Cock

### Burner, Meaker

- Complies with DIN 30665
- Material Casted Iron base, Red painted
- Brass pipe chrome plated
- Use with L.P.G.



Buy Now!

| Item Code  | Type                   | Pack of |
|------------|------------------------|---------|
| 349.303.01 | With stopcock          | 1       |
| 349.303.02 | With stopcock, Economy | 1       |

## Jack, Laboratory

All sizes are in millimeters.

| Item Code  | Type            | Size (mm) | Pack of |
|------------|-----------------|-----------|---------|
| 370.303.09 | Stainless Steel | 120 x 140 | 1       |
| 370.303.10 | Stainless Steel | 200 x 200 | 1       |
| 370.303.11 | Stainless Steel | 250 x 250 | 1       |



Buy Now!



SS

## Spatula

• Material Stainless Steel, Grade 202

| Item Code  | Size (mm) | Type                           | Pack of |
|------------|-----------|--------------------------------|---------|
| 374.303.01 | 125       | one end spoon and one end flat | 10      |
| 374.303.02 | 150       | one end spoon and one end flat | 10      |
| 374.303.03 | 200       | one end spoon and one end flat | 10      |
| 374.303.04 | 250       | one end spoon and one end flat | 10      |
| 374.303.05 | 300       | one end spoon and one end flat | 10      |



Buy Now!



SS  
202



## Spatula

- Material Stainless Steel, Grade 202



SS  
202



Buy Now!

| Item Code  | Size (mm) | Type          | Pack of |
|------------|-----------|---------------|---------|
| 374.303.06 | 125       | both end flat | 10      |
| 374.303.07 | 150       | both end flat | 10      |
| 374.303.08 | 200       | both end flat | 10      |
| 374.303.09 | 250       | both end flat | 10      |

## Spatula, Double

- Material Stainless steel, Grade 202
- One end Chattaway & one end flat



SS  
202



Buy Now!

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 375.303.01 | 155       | 10      |
| 375.303.02 | 210       | 10      |
| 375.303.03 | 250       | 10      |

## Spatula, Double

- Material Stainless steel, Grade 202
- One end tapered, & one end flat, flexible type

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 376.303.01 | 155       | 10      |
| 376.303.02 | 260       | 10      |
| 376.303.03 | 305       | 10      |



Buy Now!



SS  
202

## Spatula, Micro

- Material Stainless steel, Grade 202
- One end spoon and one side spatula

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 377.303.01 | 155       | 10      |



Buy Now!



SS  
202



SS  
202



Buy Now!

## Spatula, Knife

- Material SS grade 202
- Available with Wooden Handle

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 541.303.01 | 100       | 6       |
| 541.303.03 | 150       | 6       |
| 541.303.04 | 200       | 6       |
| 541.303.05 | 250       | 6       |
| 541.303.06 | 300       | 6       |



SS  
410

Straight  
Fine



Buy Now!

## Forceps

- Material SS 410 Grade
- Straight fine points

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 531.303.01 | 100       | 10      |
| 531.303.02 | 125       | 10      |
| 531.303.03 | 150       | 10      |
| 531.303.04 | 200       | 10      |
| 531.303.05 | 250       | 10      |
| 531.303.06 | 300       | 10      |

## Forceps

- Material SS 410 Grade
- Curved Fine Points

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 532.303.01 | 100       | 10      |
| 532.303.02 | 125       | 10      |
| 532.303.03 | 150       | 10      |
| 532.303.04 | 200       | 10      |
| 532.303.05 | 250       | 10      |
| 532.303.06 | 300       | 10      |



Buy Now!



SS  
410

Curved  
Fine

## Forceps

- Material SS 410 Grade
- Straight Blunt Points

| Item Code  | Size (mm) | Pack of |
|------------|-----------|---------|
| 533.303.01 | 100       | 10      |
| 533.303.02 | 125       | 10      |
| 533.303.03 | 150       | 10      |
| 533.303.04 | 200       | 10      |
| 533.303.05 | 250       | 10      |
| 533.303.06 | 300       | 10      |



Buy Now!



SS  
410



SS  
410

Curved  
Fine



Buy Now!

## Forceps

- Material SS 410 Grade
- Curved Blunt Points

| Item Code  | Size (mm) | Pack of | Price /Piece |
|------------|-----------|---------|--------------|
| 534.303.01 | 100       | 10      | 50           |
| 534.303.02 | 125       | 10      | 70           |
| 534.303.03 | 150       | 10      | 85           |
| 534.303.04 | 200       | 10      | 100          |
| 534.303.05 | 250       | 10      | 120          |
| 534.303.06 | 300       | 10      | 140          |



SS  
202



Buy Now!

## Dissecting Set

- Instruments made of SS Grade 202
- Set of 14 Instruments

| Item Code  | Description  | Pack of |
|------------|--|---------|
| 536.303.01 | made of Stainless Steel, Instruments are Dressing Scissor, Cuticle Scissor, Dressing Forceps, Dissecting Forceps, Flapper, Seeker, Arrow Needle, Needle, Blow Pipe, B.P Handle with Scalpel Blade, Dropper, Chain Hook, Scalpels, Magnifier Lense. | Zip     |



SS  
202



Buy Now!

## Dissecting Set

- Instruments made of SS Grade 202
- Set of 14 Instruments

| Item Code  | Description  | Pack of |
|------------|--|---------|
| 536.303.02 | made of Stainless Steel, Instruments are Dressing Scissor, Cuticle Scissor, Dressing Forceps, Dissecting Forceps, Flapper, Seeker, Arrow Needle, Needle, Blow Pipe, B.P Handle with Scalpel Blade, Dropper, Chain Hook, Scalpels, Magnifier Lense. | Velcro  |

## Glassco Graduated Pipettes now comes in Type 1 (Mohr) and Type 3 (Serological).

- Type 1 : These pipettes are for partial delivery having 0 point at top.
- Type 3 : These pipettes are for complete delivery having 0 Point at top.

All are manufactured to meet ISO 835 Standards. These pipettes are calibrated to deliver (TD, EX) + 20° C. All graduated pipettes are calibrated by automatic machines and then the final quality check is done on the quality control centre. The graduated pipettes come in AS class with conformity batch certificate and individual work certificate which is printed in amber colour which fuses into the glass. Each pipette is accompanied with a batch or individual certificate in the pack. You can also download the certificate at [www.glasscolabs.com](http://www.glasscolabs.com). All A Class pipettes have a waiting time of 5 seconds.

### Graduated Pipettes Type 3 (Serological), Class AS

- Compliance with ISO 835 Standard
- Comes with individual work certificate

| Item Code   | Capacity (ml) | Sub Division | Tolerance (± ml) | Colour Code | Pack of |
|-------------|---------------|--------------|------------------|-------------|---------|
| 125.223.00  | 0.1           | 0.01         | 0.006            | WHITE       | 5       |
| 125.223.00A | 0.2           | 0.01         | 0.006            | BLACK       | 5       |
| 125.223.01  | 1             | 0.01         | 0.007            | YELLOW      | 5       |
| 125.223.01A | 1             | 0.10         | 0.007            | RED         | 5       |
| 125.223.02  | 2             | 0.02         | 0.010            | BLACK       | 5       |
| 125.223.02A | 2             | 0.10         | 0.010            | GREEN       | 5       |
| 125.223.03  | 5             | 0.05         | 0.030            | RED         | 5       |
| 125.223.03A | 5             | 0.10         | 0.030            | BLUE        | 5       |
| 125.223.04  | 10            | 0.10         | 0.050            | ORANGE      | 5       |
| 125.223.06  | 25            | 0.10         | 0.100            | WHITE       | 5       |



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### Graduated Pipettes Type 3 (Serological), Class AS

- Compliance with ISO 835 Standard
- With Batch certificate

| Item Code   | Capacity (ml) | Sub Division | Tolerance (± ml) | Colour Code | Pack of |
|-------------|---------------|--------------|------------------|-------------|---------|
| 125.202.00  | 0.1           | 0.01         | 0.006            | WHITE       | 5       |
| 125.202.00A | 0.2           | 0.01         | 0.006            | BLACK       | 5       |
| 125.202.01  | 1             | 0.01         | 0.007            | YELLOW      | 5       |
| 125.202.01A | 1             | 0.10         | 0.007            | RED         | 5       |
| 125.202.02  | 2             | 0.02         | 0.010            | BLACK       | 5       |
| 125.202.02A | 2             | 0.10         | 0.010            | GREEN       | 5       |
| 125.202.03  | 5             | 0.05         | 0.030            | RED         | 5       |
| 125.202.03A | 5             | 0.10         | 0.030            | BLUE        | 5       |
| 125.202.04  | 10            | 0.10         | 0.050            | ORANGE      | 5       |
| 125.202.06  | 25            | 0.10         | 0.100            | WHITE       | 5       |



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# Pipettes



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## Graduated Pipette Type 3 (Serological), CLASS-AS

- Calibrated to deliver in compliance with USP Standard
- Printed in amber colour enamel
- With Individual work certificate

| Item Code  | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|------------|---------------|--------------|-----------------------|--------------------|---------|
| 125.220.01 | 1             | 0.01         | 0.010                 | YELLOW             | 5       |
| 125.220.02 | 2             | 0.02         | 0.010                 | BLACK              | 5       |
| 125.220.03 | 5             | 0.05         | 0.020                 | RED                | 5       |
| 125.220.04 | 10            | 0.10         | 0.030                 | ORANGE             | 5       |
| 125.220.06 | 25            | 0.10         | 0.050                 | WHITE              | 5       |



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## Graduated Pipettes Type 3 (Serological), Class AS

- Compliance with USP Standard
- With batch certificate

| Item Code  | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|------------|---------------|--------------|-----------------------|--------------------|---------|
| 125.461.01 | 1             | 0.01         | 0.010                 | YELLOW             | 5       |
| 125.461.02 | 2             | 0.02         | 0.010                 | BLACK              | 5       |
| 125.461.03 | 5             | 0.05         | 0.020                 | RED                | 5       |
| 125.461.04 | 10            | 0.10         | 0.030                 | ORANGE             | 5       |
| 125.461.06 | 25            | 0.10         | 0.050                 | WHITE              | 5       |

## Graduated Pipettes Type 1 (Mohr), Class AS

- As per DIN ISO 835 Standard
- With Individual work Certificate
- Printed in amber colour

| Item Code   | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Code | Pack of |
|-------------|---------------|--------------|-----------------------|-------------|---------|
| 125.416.00  | 0.1           | 0.01         | 0.006                 | WHITE       | 5       |
| 125.416.00A | 0.2           | 0.01         | 0.006                 | BLACK       | 5       |
| 125.416.00B | 1             | 0.01         | 0.007                 | YELLOW      | 5       |
| 125.416.00C | 1             | 0.10         | 0.007                 | RED         | 5       |
| 125.416.01A | 2             | 0.02         | 0.010                 | BLACK       | 5       |
| 125.416.01  | 2             | 0.10         | 0.010                 | GREEN       | 5       |
| 125.416.02A | 5             | 0.05         | 0.030                 | RED         | 5       |
| 125.416.02  | 5             | 0.10         | 0.030                 | BLUE        | 5       |
| 125.416.04  | 10            | 0.10         | 0.050                 | ORANGE      | 5       |
| 125.416.06B | 25            | 0.10         | 0.100                 | WHITE       | 5       |



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## Graduated Pipettes Type 1 (Mohr), Class AS

- As per DIN ISO 835 Standard
- With batch certificate

| Item Code   | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Code | Pack of |
|-------------|---------------|--------------|-----------------------|-------------|---------|
| 125.453.00  | 0.1           | 0.01         | 0.006                 | WHITE       | 5       |
| 125.453.00A | 0.2           | 0.01         | 0.006                 | BLACK       | 5       |
| 125.453.00B | 1             | 0.01         | 0.007                 | YELLOW      | 5       |
| 125.453.00C | 1             | 0.10         | 0.007                 | RED         | 5       |
| 125.453.01A | 2             | 0.02         | 0.010                 | BLACK       | 5       |
| 125.453.01  | 2             | 0.10         | 0.010                 | GREEN       | 5       |
| 125.453.02A | 5             | 0.05         | 0.030                 | RED         | 5       |
| 125.453.02  | 5             | 0.10         | 0.030                 | BLUE        | 5       |
| 125.453.04  | 10            | 0.10         | 0.050                 | ORANGE      | 5       |
| 125.453.06  | 25            | 0.10         | 0.100                 | WHITE       | 5       |



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## ASTM Pipettes

### Graduated Pipettes (Mohr), CLASS-A, SERIALIZED

- These Pipettes are manufactured which are calibrated to deliver as per ASTM E 1293
- Printed in Amber colour enamel
- Comes with Individual work Certificate



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| Item Code   | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|--------------|-----------------------|--------------------|---------|
| 125.452.01  | 1             | 0.1          | 0.1                   | RED                | 6       |
| 125.452.01A | 1             | 0.01         | 0.01                  | YELLOW             | 6       |
| 125.452.02  | 2             | 0.1          | 0.1                   | GREEN              | 6       |
| 125.452.03  | 5             | 0.1          | 0.1                   | BLUE               | 6       |
| 125.452.04  | 10            | 0.1          | 0.1                   | ORANGE             | 6       |
| 125.452.05  | 25            | 0.1          | 0.1                   | WHITE              | 2       |

### Graduated Pipettes (Mohr), CLASS A UNSERIALIZED

- These Pipettes are manufactured which are calibrated to deliver as per ASTM E 1293
- Printed in amber colour enamel
- Comes with Batch certificate



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| Item Code   | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|--------------|-----------------------|--------------------|---------|
| 125.455.01  | 1             | 0.1          | 0.01                  | RED                | 6       |
| 125.455.01A | 1             | 0.01         | 0.01                  | YELLOW             | 6       |
| 125.455.02  | 2             | 0.1          | 0.01                  | GREEN              | 6       |
| 125.455.03  | 5             | 0.1          | 0.02                  | BLUE               | 6       |
| 125.455.04  | 10            | 0.1          | 0.03                  | ORANGE             | 6       |
| 125.455.05  | 25            | 0.1          | 0.05                  | WHITE              | 2       |

## Graduated Pipette (Serological), CLASS-A, SERIALIZED

- Calibrated to deliver as per ASTM E-1044
- Printed in amber colour enamel
- Comes with individual work certificate

| Item Code   | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|--------------|-----------------------|--------------------|---------|
| 125.423.01  | 1             | 0.1          | 0.01                  | RED                | 6       |
| 125.423.01A | 1             | 0.01         | 0.01                  | YELLOW             | 6       |
| 125.423.02  | 2             | 0.1          | 0.01                  | GREEN              | 6       |
| 125.423.03  | 5             | 0.1          | 0.02                  | BLUE               | 6       |
| 125.423.04  | 10            | 0.1          | 0.03                  | ORANGE             | 6       |
| 125.423.06  | 25            | 0.1          | 0.05                  | WHITE              | 2       |



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## Graduated Pipette (Serological), CLASS-A, UNSERIALIZED

- Calibrated to deliver as per ASTM E-1044
- Printed in amber colour enamel
- With Batch certificate

| Item Code   | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|--------------|-----------------------|--------------------|---------|
| 125.402.01  | 1             | 0.1          | 0.01                  | RED                | 6       |
| 125.402.01A | 1             | 0.01         | 0.01                  | YELLOW             | 6       |
| 125.402.02  | 2             | 0.1          | 0.01                  | GREEN              | 6       |
| 125.402.03  | 5             | 0.1          | 0.02                  | BLUE               | 6       |
| 125.402.04  | 10            | 0.1          | 0.03                  | ORANGE             | 6       |
| 125.402.06  | 25            | 0.1          | 0.05                  | WHITE              | 2       |



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## Graduated Pipettes (Mohr), CLASS-B

These Pipettes are manufactured which are calibrated to deliver as per ASTM E 1293 and is printed in amber colour enamel.

| Item Code   | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|--------------|-----------------------|--------------------|---------|
| 124.125.00  | 0.1           | 0.01         | 0.005                 | WHITE              | 6       |
| 124.125.00A | 0.2           | 0.01         | 0.008                 | BLACK              | 6       |
| 124.125.01  | 1             | 0.1          | 0.02                  | RED                | 6       |
| 124.125.01A | 1             | 0.01         | 0.02                  | YELLOW             | 6       |
| 124.125.02  | 2             | 0.1          | 0.02                  | GREEN              | 6       |
| 124.125.03  | 5             | 0.1          | 0.04                  | BLUE               | 6       |
| 124.125.04  | 10            | 0.1          | 0.06                  | ORANGE             | 6       |
| 124.125.05  | 25            | 0.1          | 0.1                   | WHITE              | 2       |



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## Graduated Pipette (Serological), CLASS-B

- These Pipettes are manufactured which are calibrated to deliver as per ASTM E-1044
- Printed in amber colour enamel

| Item Code   | Capacity (ml) | Sub Division | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|--------------|-----------------------|--------------------|---------|
| 124.418.00  | 0.1           | 0.01         | 0.005                 | WHITE              | 6       |
| 124.418.00A | 0.2           | 0.01         | 0.008                 | BLACK              | 6       |
| 124.418.01  | 1             | 0.1          | 0.02                  | RED                | 6       |
| 124.418.01A | 1             | 0.01         | 0.02                  | YELLOW             | 6       |
| 124.418.02  | 2             | 0.1          | 0.02                  | GREEN              | 6       |
| 124.418.03  | 5             | 0.1          | 0.04                  | BLUE               | 6       |
| 124.418.04  | 10            | 0.1          | 0.06                  | ORANGE             | 6       |
| 124.418.06B | 25            | 0.1          | 0.1                   | WHITE              | 2       |

## Pipettes, Bacteriological, Graduated

- Used for the bacteriological examination of milk
- 1.1 ml is graduated at 0.5 and 1.1 ml
- 2.2 ml is graduated at 1.0, 2.0, 2.1 and 2.2 ml

| Item Code  | Capacity (ml) | Tolerance ( $\pm$ ml) | Pack of |
|------------|---------------|-----------------------|---------|
| 125.207.01 | 1.1           | 0.025                 | 10      |
| 125.207.02 | 2.2           | 0.04                  | 10      |



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## Pipettes, Gerber, Milk

- Used for testing milk by the Gerber method.
- Are one-mark transfer Pipettes for measuring 10.75 ml
- Also be used in rural Milk Collection Centres

| Item Code  | Capacity (ml) | Tolerance ( $\pm$ ml) | Pack of |
|------------|---------------|-----------------------|---------|
| 123.207.04 | 10.75         | 0.03                  | 10      |



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# Pipettes



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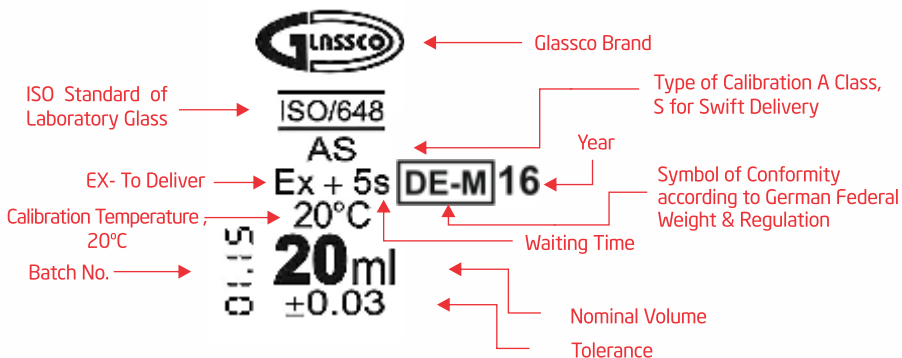
Glassco volumetric pipettes are manufactured in compliance with DIN ISO 648 standards. These pipettes are calibrated to deliver (TD, EX) + 20° C . All volumetric pipettes are calibrated by automatic machine and then the final quality check is done on the quality control centre. The volumetric pipettes come in AS Class with conformity Batch certificate and Class A in individual work certificate which is printed in amber colour which fuses into the glass . Each pipette is accompanied with a batch or individual certificate in the pack you can also download the certificate from our website : [www.glasscolabs.com](http://www.glasscolabs.com) and by scanning the QR Code from the label of the box. Below is the overview of the one mark pipette explaining in detail the content printed on it.

## Volumetric Pipettes, 1 mark, Class AS

- With Individual Certificate
- Compliance with ISO 648 Standard
- Comes in amber colour enamel printing

| Item Code    | Capacity (ml) | Tolerance (± ml) | Colour Coding Band | Pack of |
|--------------|---------------|------------------|--------------------|---------|
| 123.223.00   | 0.5           | 0.005            | 2 BLACK            | 5       |
| 123.223.01   | 1             | 0.008            | BLUE               | 5       |
| 123.223.02   | 2             | 0.010            | ORANGE             | 5       |
| 123.223.02A* | 3             | 0.01             | BLACK              | 5       |
| 123.223.02B* | 4             | 0.01             | 2 RED              | 5       |
| 123.223.03   | 5             | 0.015            | WHITE              | 5       |
| 123.223.03A* | 6             | 0.01             | 2 ORANGE           | 5       |
| 123.223.03B* | 7             | 0.01             | 2 GREEN            | 5       |
| 123.223.03C* | 8             | 0.02             | BLUE               | 5       |
| 123.223.03D* | 9             | 0.02             | BLACK              | 5       |
| 123.223.04   | 10            | 0.020            | RED                | 5       |
| 123.223.04A* | 15            | 0.03             | GREEN              | 5       |
| 123.223.05   | 20            | 0.030            | YELLOW             | 5       |
| 123.223.06   | 25            | 0.030            | BLUE               | 5       |
| 123.223.06E* | 30            | 0.03             | BLACK              | 5       |
| 123.223.06O* | 40            | 0.05             | WHITE              | 5       |
| 123.223.07   | 50            | 0.050            | RED                | 5       |
| 123.223.08   | 100           | 0.080            | YELLOW             | 5       |

\* Non DIN



## Volumetric Pipettes, 1 mark, Class AS

- With Batch Certificate
- Compliance with DIN ISO 648 Standard
- Comes in amber colour enamel printing

| Item Code    | Capacity (ml) | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|--------------|---------------|-----------------------|--------------------|---------|
| 123.202.00   | 0.5           | 0.005                 | 2 BLACK            | 5       |
| 123.202.01   | 1             | 0.008                 | BLUE               | 5       |
| 123.202.02   | 2             | 0.010                 | ORANGE             | 5       |
| 123.202.02A* | 3             | 0.01                  | BLACK              | 5       |
| 123.202.02B* | 4             | 0.01                  | 2 RED              | 5       |
| 123.202.03   | 5             | 0.015                 | WHITE              | 5       |
| 123.202.03A* | 6             | 0.01                  | 2 ORANGE           | 5       |
| 123.202.03B* | 7             | 0.01                  | 2 GREEN            | 5       |
| 123.202.03C* | 8             | 0.02                  | BLUE               | 5       |
| 123.202.03D* | 9             | 0.02                  | BLACK              | 5       |
| 123.202.04   | 10            | 0.020                 | RED                | 5       |
| 123.202.04A* | 15            | 0.03                  | GREEN              | 5       |
| 123.202.05   | 20            | 0.030                 | YELLOW             | 5       |
| 123.202.06   | 25            | 0.030                 | BLUE               | 5       |
| 123.202.06E* | 30            | 0.03                  | BLACK              | 5       |
| 123.202.06O* | 40            | 0.05                  | WHITE              | 5       |
| 123.202.07   | 50            | 0.050                 | RED                | 5       |
| 123.202.08   | 100           | 0.080                 | YELLOW             | 5       |

\* Non DIN



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## Volumetric Pipette 1 mark Class B

- Compliance with DIN ISO 648 Standard
- Comes in amber colour enamel printing

| Item Code  | Capacity (ml) | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|------------|---------------|-----------------------|--------------------|---------|
| 122.222.01 | 1             | 0.015                 | BLUE               | 5       |
| 122.222.02 | 2             | 0.020                 | ORANGE             | 5       |
| 122.222.03 | 5             | 0.030                 | WHITE              | 5       |
| 122.222.04 | 10            | 0.040                 | RED                | 5       |
| 122.222.05 | 20            | 0.060                 | YELLOW             | 5       |
| 122.222.06 | 25            | 0.060                 | BLUE               | 5       |
| 122.222.07 | 50            | 0.100                 | RED                | 5       |
| 122.222.08 | 100           | 0.150                 | YELLOW             | 5       |



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# Pipettes



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## Volumetric Pipettes, 2 mark, Class AS

- Compliance with DIN ISO 648 Standard
- Printed in Amber Colour
- With Batch Certificate

| Item Code    | Capacity (ml) | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|--------------|---------------|-----------------------|--------------------|---------|
| 123.252.00*  | 0.5           | 0.005                 | 2 BLACK            | 5       |
| 123.252.01   | 1             | 0.008                 | BLUE               | 5       |
| 123.252.02   | 2             | 0.010                 | ORANGE             | 5       |
| 123.252.02A* | 3             | 0.01                  | BLACK              | 5       |
| 123.252.02B* | 4             | 0.01                  | 2 RED              | 5       |
| 123.252.03   | 5             | 0.015                 | WHITE              | 5       |
| 123.252.03A* | 6             | 0.01                  | 2 ORANGE           | 5       |
| 123.252.03B* | 7             | 0.01                  | 2 GREEN            | 5       |
| 123.252.03C* | 8             | 0.02                  | BLUE               | 5       |
| 123.252.03D* | 9             | 0.02                  | BLACK              | 5       |
| 123.252.04   | 10            | 0.020                 | RED                | 5       |
| 123.252.04A* | 15            | 0.03                  | GREEN              | 5       |
| 123.252.05   | 20            | 0.030                 | YELLOW             | 5       |
| 123.252.06   | 25            | 0.030                 | BLUE               | 5       |
| 123.252.06E* | 30            | 0.03                  | BLACK              | 5       |
| 123.252.06O* | 40            | 0.05                  | WHITE              | 5       |
| 123.252.07   | 50            | 0.050                 | RED                | 5       |
| 123.252.08   | 100           | 0.080                 | YELLOW             | 5       |

\* Non DIN



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## Volumetric Pipettes 1 mark, Class AS

- Compliance with USP standard
- With Individual Certificate

| Item Code   | Capacity (ml) | Colour Code | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------|-----------------------|---------|
| 123.220.00  | 0.5           | 2 BLACK     | 0.006                 | 5       |
| 123.220.01  | 1             | BLUE        | 0.006                 | 5       |
| 123.220.02  | 2             | ORANGE      | 0.006                 | 5       |
| 123.220.02A | 3             | BLACK       | 0.010                 | 5       |
| 123.220.02B | 4             | 2 RED       | 0.010                 | 5       |
| 123.220.03  | 5             | WHITE       | 0.010                 | 5       |
| 123.220.03A | 6             | 2 ORANGE    | 0.010                 | 5       |
| 123.220.03B | 7             | 2 GREEN     | 0.010                 | 5       |
| 123.220.03C | 8             | BLUE        | 0.020                 | 5       |
| 123.220.03D | 9             | BLACK       | 0.020                 | 5       |
| 123.220.04  | 10            | RED         | 0.020                 | 5       |
| 123.220.04E | 15            | GREEN       | 0.030                 | 5       |
| 123.220.05  | 20            | YELLOW      | 0.030                 | 5       |
| 123.220.06  | 25            | BLUE        | 0.030                 | 5       |
| 123.220.06E | 30            | BLACK       | 0.030                 | 5       |
| 123.220.06O | 40            | WHITE       | 0.050                 | 5       |
| 123.220.07  | 50            | RED         | 0.050                 | 5       |
| 123.220.08  | 100           | YELLOW      | 0.080                 | 5       |

## Volumetric Pipettes 1 mark, Class AS

- Compliance with USP standard
- With Batch Certificate

| Item Code   | Capacity (ml) | Colour Code | Tolerance ( $\pm$ ml) | Pack of |
|-------------|---------------|-------------|-----------------------|---------|
| 123.461.00  | 0.5           | 2 BLACK     | 0.006                 | 5       |
| 123.461.01  | 1             | BLUE        | 0.006                 | 5       |
| 123.461.02  | 2             | ORANGE      | 0.006                 | 5       |
| 123.461.02A | 3             | BLACK       | 0.010                 | 5       |
| 123.461.02B | 4             | 2 RED       | 0.010                 | 5       |
| 123.461.03  | 5             | WHITE       | 0.010                 | 5       |
| 123.461.03A | 6             | 2 ORANGE    | 0.010                 | 5       |
| 123.461.03B | 7             | 2 GREEN     | 0.010                 | 5       |
| 123.461.03C | 8             | BLUE        | 0.020                 | 5       |
| 123.461.03D | 9             | BLACK       | 0.020                 | 5       |
| 123.461.04  | 10            | RED         | 0.020                 | 5       |
| 123.461.04E | 15            | GREEN       | 0.030                 | 5       |
| 123.461.05  | 20            | YELLOW      | 0.030                 | 5       |
| 123.461.06  | 25            | BLUE        | 0.030                 | 5       |
| 123.461.06E | 30            | BLACK       | 0.030                 | 5       |
| 123.461.06O | 40            | WHITE       | 0.050                 | 5       |
| 123.461.07  | 50            | RED         | 0.050                 | 5       |
| 123.461.08  | 100           | YELLOW      | 0.080                 | 5       |



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## ASTM Pipettes

### Pipette Volumetric, Class-A, Serialized

- These Pipettes are manufactured from ASTM E-438, TYPE-1, BORO 3.3 GLASS
- Compliance to ASTM E-969, Standard
- Comes in amber colour enamel printing
- With individual work certificate

| Item Code   | Capacity (ml) | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|-----------------------|--------------------|---------|
| 123.454.00D | 0.5           | 0.006                 | 2 BLACK            | 6       |
| 123.454.01  | 1             | 0.006                 | BLUE               | 6       |
| 123.454.02  | 2             | 0.006                 | ORANGE             | 6       |
| 123.454.02A | 3             | 0.01                  | BLACK              | 6       |
| 123.454.02B | 4             | 0.01                  | 2 RED              | 6       |
| 123.454.03  | 5             | 0.01                  | WHITE              | 6       |
| 123.454.03A | 6             | 0.01                  | 2 ORANGE           | 6       |
| 123.454.03B | 7             | 0.01                  | 2 GREEN            | 6       |
| 123.454.03C | 8             | 0.02                  | BLUE               | 6       |
| 123.454.03D | 9             | 0.02                  | BLACK              | 6       |
| 123.454.04  | 10            | 0.02                  | RED                | 6       |
| 123.454.04E | 15            | 0.03                  | GREEN              | 6       |
| 123.454.05  | 20            | 0.03                  | YELLOW             | 6       |
| 123.454.06  | 25            | 0.03                  | BLUE               | 6       |
| 123.454.06E | 30            | 0.03                  | BLACK              | 6       |
| 123.454.06O | 40            | 0.05                  | WHITE              | 6       |
| 123.454.07  | 50            | 0.05                  | RED                | 6       |
| 123.454.08  | 100           | 0.08                  | YELLOW             | 2       |



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# Pipettes

## Pipette Volumetric, Class-A, Unserialized

- These Pipettes are manufactured from ASTM E-438, TYPE-1, BORO 3.3 GLASS
- Compliance to ASTM E-969, Standard
- Comes in amber colour enamel printing
- With Batch certificate



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| Item Code   | Capacity (ml) | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|-----------------------|--------------------|---------|
| 123.450.00D | 0.5           | 0.006                 | 2 BLACK            | 6       |
| 123.450.01  | 1             | 0.006                 | BLUE               | 6       |
| 123.450.02  | 2             | 0.006                 | ORANGE             | 6       |
| 123.450.02A | 3             | 0.01                  | BLACK              | 6       |
| 123.450.02B | 4             | 0.01                  | 2 RED              | 6       |
| 123.450.03  | 5             | 0.01                  | WHITE              | 6       |
| 123.450.03A | 6             | 0.01                  | 2 ORANGE           | 6       |
| 123.450.03B | 7             | 0.01                  | 2 GREEN            | 6       |
| 123.450.03C | 8             | 0.02                  | BLUE               | 6       |
| 123.450.03D | 9             | 0.02                  | BLACK              | 6       |
| 123.450.04  | 10            | 0.02                  | RED                | 6       |
| 123.450.04E | 15            | 0.03                  | GREEN              | 6       |
| 123.450.05  | 20            | 0.03                  | YELLOW             | 6       |
| 123.450.06  | 25            | 0.03                  | BLUE               | 6       |
| 123.450.06E | 30            | 0.03                  | BLACK              | 6       |
| 123.450.06O | 40            | 0.05                  | WHITE              | 6       |
| 123.450.07  | 50            | 0.05                  | RED                | 6       |
| 123.450.08  | 100           | 0.08                  | YELLOW             | 2       |

## Pipette Volumetric, Class-B

- These Pipettes are manufactured from ASTM E-438, TYPE-1, CLASS-A, BORO 3.3 GLASS
- Compliance to ASTM E-969, Standard
- Comes in amber colour enamel printing



Buy Now!

| Item Code   | Capacity (ml) | Tolerance ( $\pm$ ml) | Colour Coding Band | Pack of |
|-------------|---------------|-----------------------|--------------------|---------|
| 122.422.00D | 0.5           | 0.012                 | 2 BLACK            | 6       |
| 122.422.01  | 1             | 0.012                 | BLUE               | 6       |
| 122.422.02  | 2             | 0.012                 | ORANGE             | 6       |
| 122.422.02A | 3             | 0.02                  | BLACK              | 6       |
| 122.422.02B | 4             | 0.02                  | 2 RED              | 6       |
| 122.422.03  | 5             | 0.02                  | WHITE              | 6       |
| 122.422.03A | 6             | 0.03                  | 2 ORANGE           | 6       |
| 122.422.03B | 7             | 0.03                  | 2 GREEN            | 6       |
| 122.422.03C | 8             | 0.04                  | BLUE               | 6       |
| 122.422.03D | 9             | 0.04                  | BLACK              | 6       |
| 122.422.04  | 10            | 0.04                  | RED                | 6       |
| 122.422.04E | 15            | 0.06                  | GREEN              | 6       |
| 122.422.05  | 20            | 0.06                  | YELLOW             | 6       |
| 122.422.06  | 25            | 0.06                  | BLUE               | 6       |
| 122.422.06E | 30            | 0.06                  | BLACK              | 6       |
| 122.422.06O | 40            | 0.10                  | WHITE              | 6       |
| 122.422.07  | 50            | 0.10                  | RED                | 6       |
| 122.422.08  | 100           | 0.16                  | YELLOW             | 2       |

## Pipette Box

- Made of Polypropylene
- This Pipette Box is designed in such a way that it can hold Pipettes of different lengths
- The top of the box screws on the bottom and the height can be adjusted by screwing the top.

| Item Code  | Type        | Pack of |
|------------|-------------|---------|
| 171.303.01 | Pipette Box | 4       |



Buy Now!



## Pipettes Bulb

- A normal pressure on the bulb permits the intake of the required quantity
- Used for repeated sampling

| Item Code  | Size        | Capacity (ml) | Pack of |
|------------|-------------|---------------|---------|
| 411.303.01 | Small       | 5             | 10      |
| 411.303.02 | Medium      | 10            | 10      |
| 411.303.03 | Large       | 15            | 10      |
| 411.303.04 | Oval        | 25            | 10      |
| 411.303.05 | Super Large | 50            | 10      |



Buy Now!



Si

280°C  
SSSS

## Silicon Rubber :

| Item Code  | Size              | Capacity (ml) | Pack of |
|------------|-------------------|---------------|---------|
| 411.303.07 | Small             | 5             | 10      |
| 411.303.08 | Medium            | 10            | 10      |
| 411.303.09 | Large             | 15            | 10      |
| 411.303.10 | Extra Large       | 20            | 10      |
| 411.303.11 | Oval              | 25            | 10      |
| 411.303.12 | Super Large       | 50            | 10      |
| 411.303.13 | Extra Super Large | 100           | 10      |



Buy Now!

# Pipettes

## Pipette Controller

- Can fill 25 ml pipette under 4 seconds
- Safety valve and hydrophobic filters provide double protection against fluid penetration
- Two different speed modes - High & Low along with Gravity drain
- The pump speed can also be fine-tuned by varying finger pressure on operating knobs for better control of speed
- Cadmium free environment friendly NiMH batteries
- Batteries can be changed very easily by the user
- The intelligent charger prevents over charging / heating of batteries
- Low battery indicator
- The specially designed Desk top Stand enables the Pipette Controller to be charged while resting on it.
- The Pipette Controller can hold the serological pipette while resting on Desk top Stand.



### Technical Data

|                       |  |
|-----------------------|--|
| Power                 | 2 x 1.2 V / 1000 mAh NiMH batteries  |
| Battery Service Life  | Eight hours continuous use   |
| Battery Charging Time | 2 - 3 hours to charge fully  |
| Volumetric Range      | Plastic or Glass pipette from 0.1 ml up to 200 ml  |
| Safety System         | Replaceable hydrophobic 0.45 µm PTFE filter Safety check valve   |
| Standard Accessory    | Battery charger (UK plug)<br>Desktop Stand<br>Hydrophobic PTFE membrane filter 0.45 µm 1Pc<br>Hydrophobic PTFE membrane filter 0.20 µm 1Pc<br>Wall mounting stand with screw |

### Ordering Information



Buy Now!

| Item Code  | Description               | Pack of |
|------------|---------------------------|---------|
| 501.404.01 | Pipette Controller - Blue | 1       |



## Pipette Filler

50 ml, with a release valve to allow adjustment of liquid



Buy Now!

| Item Code  | Description                         | Pack of |
|------------|-------------------------------------|---------|
| 415.303.01 | Red colour, made of natural rubber  | 4       |
| 415.303.02 | Blue colour, made of silicon rubber | 4       |

## Pipette Pump

- Presenting a fast release pipetting device for precise pipetting & zip quick emptying
- The Knurled thumbwheel can be rotated to draw up or dispense liquids while the releaser may be pushed in for zip- quick emptying
- The moulded chuck has a silicon rubber collet inside to hold various pipettes of standard sizes
- It resists acids & alkalis and can be easily disassembled for thorough cleaning.

**Material :** Acrylonitrile Butadiene Styrene

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 104.303.01 | 2             | 12      |
| 104.303.02 | 10            | 12      |
| 104.303.03 | 25            | 12      |



Buy Now!



## Pipette Stand (Horizontal)

- This detachable stand can hold 12 pipettes, 6 on each side, in a horizontal position
- This autoclavable stand has two sides which are attached to each other with three metallic rods coated with Polypropylene
- This stand can be easily disassembled for space saving storage.

**Material :** Polypropylene

| Item Code  | Type            | Pack of |
|------------|-----------------|---------|
| 168.303.01 | For 12 Pipettes | 6       |



Buy Now!





## Pipette Stand (94 Pipettes- Rotary)

- This unique Stand holds a maximum of 94 pipettes and rotates on a central vertical axis for convenient selection of any particular pipette
- The lower rotating disc has four concentric troughs with tapered sides and open bottom which cradle the pipette tips protectively and permit water drops to run off
- The upper disc has a grid pattern concentric with the bottom disc and keeps the pipettes vertical
- Liquids draining off the pipettes are retained on the top of the stationary base by the outer ring
- This stand can be easily disassembled & reassembled.

**Material :** Polypropylene



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| Item Code  | Capacity        | Pack of |
|------------|-----------------|---------|
| 170.303.01 | For 94 Pipettes | 1       |



## Pipette Stand (Vertical)

- This is a stable, non-corrosive, detachable stand which can hold 28 pipettes with maximum dia 14 mm
- The heavy base measures 225 mm in diameter and a Polypropylene coated square rod measuring 375 mm in length is screwed into the base
- The top disc that can be fixed on the rod has holes for holding pipettes while the lower one has pilot holes where the pipettes tips rest and liquids drain down to the base
- These discs can be adjusted on the rod according to the length of the pipette
- The arrows provided on the discs should be kept parallel to ensure that corresponding holes are being centered.

**Material :** Polypropylene



Buy Now!

| Item Code  | Capacity        | Pack of |
|------------|-----------------|---------|
| 169.303.01 | For 28 Pipettes | 1       |

## Pasteur Pipette

Glassco Pasteur pipettes are manufactured to conform strict specifications laid down by research and industrial laboratories and are suitable for various laboratory applications.

### Common salient features

- Made up of Borosilicate Glass
- Facilitate Controlled Drop
- Smooth, Straight-cut, Fire-polished tips (Short & Long Tip)
- Ideal for Clinical & Industrial use
- Disposable
- Supplied in Convenient Packing



**Biosafety**



**Light Weight**



**Water Saving**



**Less Manpower**



**Time Saving**



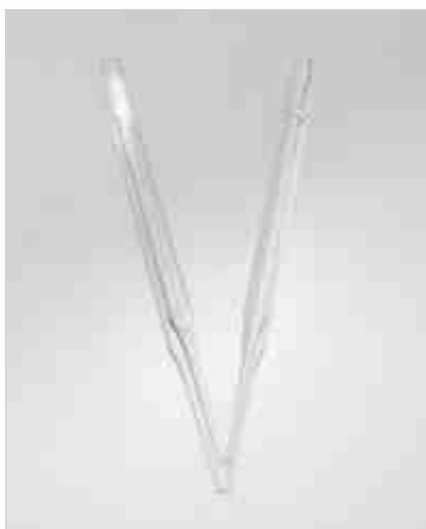
**Low Cost**



**Use & Throw**



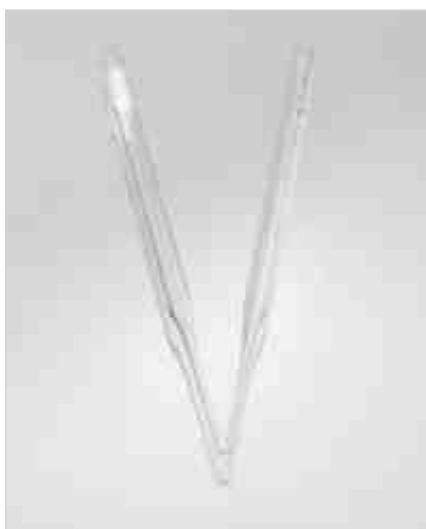
**Environment Friendly**



**Buy Now!**

### Glassco Pasteur Pipettes with Cotton Plugs

| Item Code | Product Description      | Overall Length | Pieces/Case |
|-----------|--------------------------|----------------|-------------|
| 24672.400 | Boro Glass 7.0 Expansion | 14.6 cm        | 1000        |
| 24672.405 | Boro Glass 7.0 Expansion | 22.9 cm        | 1000        |
| 24672.410 | Borosilicate Glass (3.3) | 14.6 cm        | 1000        |
| 24672.412 | Borosilicate Glass (3.3) | 22.9 cm        | 1000        |



**Buy Now!**

### Glassco Disposable Pasteur Pipettes

| Item Code | Product Description                                    | Overall Length | Pieces/Case |
|-----------|--|----------------|-------------|
| 24672.200 | Boro Glass 7.0 Expansion                               | 14.6 cm        | 1000        |
| 24672.608 | Boro Glass 7.0 Expansion with Controlled Drop**        | 14.6 cm        | 1000        |
| 24672.380 | Boro Glass 7.0 Expansion                               | 22.9 cm        | 1000        |
| 24673.010 | Borosilicate Glass (3.3) Pipette - Short Tip (2 ml)    | 14.6 cm        | 1000        |
| 23283.916 | Boro (3.3) Pipette - Short Tip, Controlled Drop (2 ml) | 14.6 cm        | 1000        |
| 24673.043 | Boro (3.3) Pipette - Long Tip (2 ml)                   | 22.9 cm        | 1000        |

**\*\*Pipette body O.D. : 7 mm. | Capillary stem O.D. : Approx. 1.5mm, Delivers 22 to 28 Drops per ml**

# Quartzware

Glassco Boron free Transparent silica Quartzware are manufactured as per IS/BS Standards.

- Low expansion with high thermal shock resistance with excellent dimensional stability.
- Glassco Quartzware shows no visible surface change in prolonged exposure gases, ozone, water, nitrogen oxide and other contaminants

|  |  |
|--|--|
| Coefficient of Linear Expansion 0°C to 800°C | $5.5 \times 10^{-7} \text{ cm/}^\circ\text{C}$ |
| Strains Point                                | 1120°C   |
| Annealing Point                              | 1200°C   |
| Softening Point                              | 1685°C   |
| Electrical Conductivity (at 350°C)           | $7 \times 10^7 \text{ ohm cm}$                 |

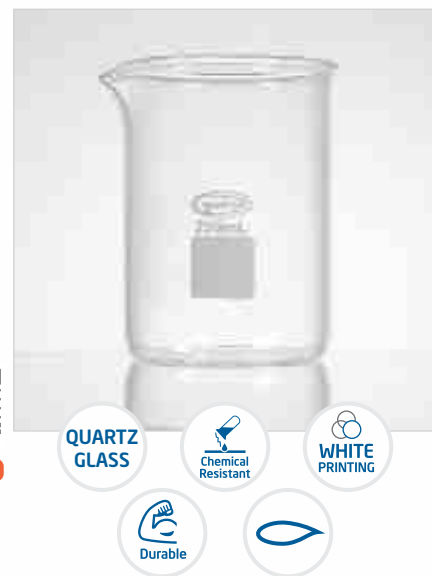
## Beakers, Low Form, With Spout *New*

- Accurate in dimension
- Durable

| Cat. No.    | Cap. (ml) | Dia. (mm) | Height (mm) | Pcs/Pack |
|-------------|-----------|-----------|-------------|----------|
| Q230.235.01 | 25        | 34        | 50          | 5        |
| Q230.235.02 | 50        | 42        | 60          | 5        |
| Q230.235.03 | 100       | 50        | 70          | 5        |
| Q230.235.04 | 150       | 60        | 80          | 5        |
| Q230.235.05 | 250       | 70        | 95          | 1        |
| Q230.235.06 | 500       | 83        | 118         | 1        |
| Q230.235.07 | 1000      | 105       | 145         | 1        |



Buy Now!



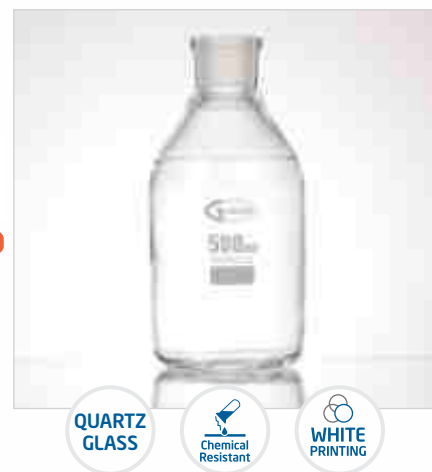
## Bottle, Reagent *New*

- With hollow stopper

| Cat. No.    | Capacity (ml) | Pcs/Pack |
|-------------|---------------|----------|
| Q272.512.03 | 500           | 1        |



Buy Now!



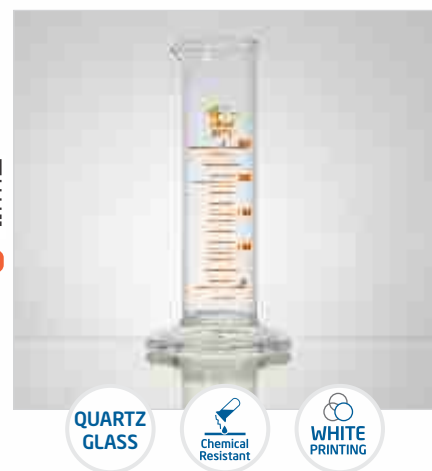
## Cylinder, Measuring, Class B *New*

- With spout

| Cat. No.    | Capacity (ml) | Pcs/Pack |
|-------------|---------------|----------|
| Q138.510.00 | 5             | 1        |
| Q138.510.01 | 10            | 1        |
| Q138.510.03 | 50            | 1        |
| Q138.510.04 | 100           | 1        |
| Q138.510.06 | 500           | 1        |



Buy Now!



## Dishes / Basins, Round *New*

- With Spout

| Cat. No.    | O.D. (mm) | Height (mm) | Pcs/Pack |
|-------------|-----------|-------------|----------|
| Q247.202.01 | 55        | 23          | 10       |
| Q247.202.02 | 75        | 27          | 5        |
| Q247.202.03 | 85        | 35          | 5        |
| Q247.202.04 | 95        | 36          | 1        |
| Q247.202.05 | 100       | 38          | 1        |
| Q247.202.06 | 115       | 47          | 1        |



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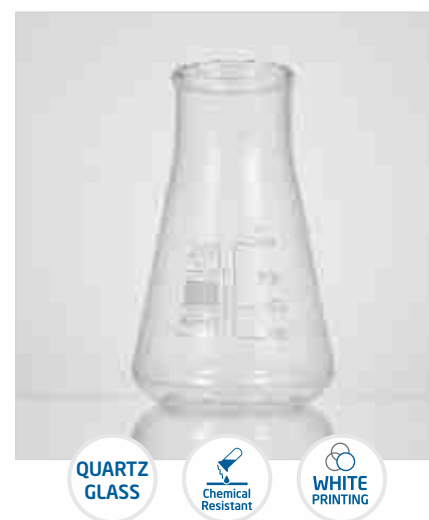


## Erlenmeyer Flasks *New*

| Cat. No.    | Cap. (ml) | Dia. (mm) | Height (mm) | Pcs/Pack |
|-------------|-----------|-----------|-------------|----------|
| Q233.202.01 | 50        | 50        | 90          | 1        |
| Q233.202.02 | 100       | 64        | 105         | 1        |
| Q233.202.03 | 150       | 72        | 124         | 1        |
| Q233.202.04 | 250       | 85        | 140         | 1        |
| Q233.202.05 | 500       | 100       | 180         | 1        |



Buy Now!



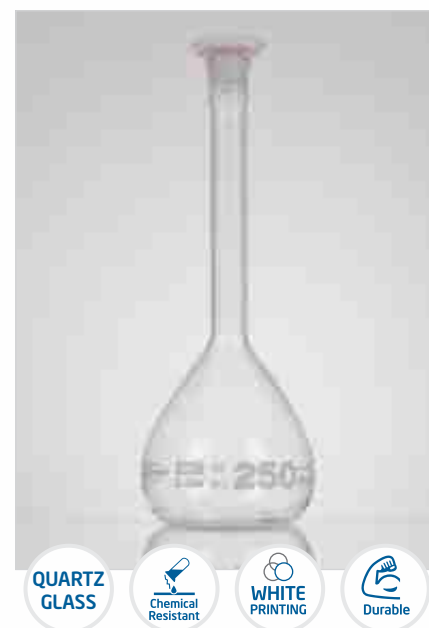
## Flask, Volumetric *New*

- Accurate Dimension
- Durable

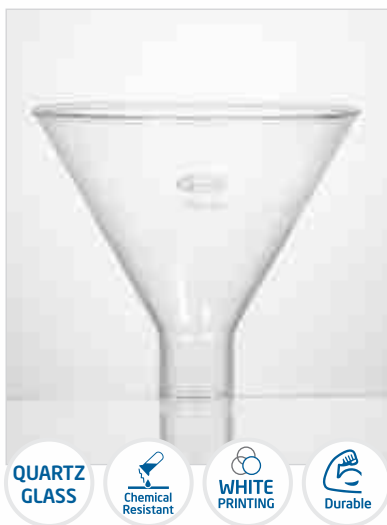
| Cat. No.    | Cap. (ml) | N/S   | Pcs/Pack |
|-------------|-----------|-------|----------|
| Q131.220.01 | 5         | 10/19 | 1        |
| Q131.220.02 | 10        | 10/19 | 1        |
| Q131.220.03 | 25        | 10/19 | 1        |
| Q131.220.04 | 50        | 12/21 | 1        |
| Q131.220.05 | 100       | 14/23 | 1        |
| Q131.220.06 | 250       | 14/23 | 1        |
| Q131.220.07 | 500       | 19/26 | 1        |
| Q131.220.08 | 1000      | 24/29 | 1        |



Buy Now!







## Funnel, with Stem *New*



Buy Now!

| Cat. No.    | Cap. (ml) | Pcs/Pack |
|-------------|-----------|----------|
| Q239.202.01 | 35x150    | 1        |
| Q239.202.02 | 45x150    | 1        |
| Q239.202.03 | 55x150    | 1        |
| Q239.202.04 | 70x150    | 1        |



## Pipette, Measuring, Mohr type *New*



Buy Now!

| Cat. No.     | Cap. (ml) | Pcs/Pack |
|--------------|-----------|----------|
| Q125.530.01  | 1 x 0.01  | 1        |
| Q125.530.02A | 2 x 0.1   | 1        |
| Q125.530.03A | 5 x 0.1   | 1        |
| Q125.530.04  | 10 x 0.1  | 1        |



## Pipette, Transfer, Volumetric, Class B *New*



Buy Now!

| Cat. No.     | Cap. (ml) | Pcs/Pack |
|--------------|-----------|----------|
| Q122.540.01  | 1         | 1        |
| Q122.540.02  | 2         | 1        |
| Q122.540.02A | 3         | 1        |
| Q122.540.02B | 4         | 1        |
| Q122.540.03  | 5         | 1        |
| Q122.540.03A | 6         | 1        |
| Q122.540.04  | 10        | 1        |

## Tube, Safety Burner

- Use with Bunsen Burners
- Available in Natural and Neoprene Rubber
- Tube has reinforced ends for better grip

### Natural Rubber :

| Item Code | Length (mm) | ID x OD (mm) | Pack of |
|-----------|-------------|--------------|---------|
| 406.BB.01 | 450         | 8 x 14       | 1       |
| 406.BB.02 | 600         | 8 x 14       | 1       |
| 406.BB.03 | 900         | 8 x 14       | 1       |
| 406.BB.04 | 1000        | 8 x 14       | 1       |



Buy Now!



### Neoprene Rubber :

| Item Code | Length (mm) | ID x OD (mm) | Pack of |
|-----------|-------------|--------------|---------|
| 426.BB.01 | 450         | 5 x 8        | 1       |
| 426.BB.02 | 600         | 5 x 8        | 1       |
| 426.BB.03 | 900         | 5 x 8        | 1       |
| 426.BB.04 | 1000        | 5 x 8        | 1       |



Buy Now!



## Cork, Rubber Neoprene, Working temp. are 50 to 120°C

- Easy distinguishable blue color for lab use
- Flame resistant & Autoclavable
- Tolerates weathering & ozone
- Has excellent low gas permissibility

| Item Code  | Cork No. | Top (±2 mm) | Bottom (±2 mm) | Height (±2 mm) | Pack of |
|------------|----------|-------------|----------------|----------------|---------|
| 420.303.01 | 5        |             | 5.0            |                | 10      |
| 420.303.02 | 6        | 9.0         | 6.0            | 16.0           | 10      |
| 420.303.03 | 8        | 10.5        | 8.0            | 20.0           | 10      |
| 420.303.04 | 9        | 11.5        | 9.0            | 20.0           | 10      |
| 420.303.05 | 10       | 12.5        | 10.0           | 20.0           | 10      |
| 420.303.06 | 11       | 14.0        | 11.0           | 24.0           | 10      |
| 420.303.07 | 13       | 16.0        | 13.0           | 24.0           | 10      |
| 420.303.08 | 15       | 18.0        | 15.0           | 24.0           | 10      |
| 420.303.09 | 17       | 20.5        | 17.0           | 26.0           | 10      |
| 420.303.10 | 18       | 21.0        | 18.0           | 26.0           | 10      |
| 420.303.11 | 19       | 22.5        | 19.0           | 28.0           | 10      |
| 420.303.12 | 21       | 24.5        | 21.0           | 28.0           | 10      |
| 420.303.13 | 23       | 26.5        | 23.0           | 28.0           | 10      |
| 420.303.14 | 25       | 28.5        | 25.0           | 28.0           | 10      |
| 420.303.15 | 27       | 31.0        | 27.0           | 32.0           | 10      |
| 420.303.16 | 29       | 31.0        | 29.0           | 32.0           | 10      |
| 420.303.17 | 31       | 36.0        | 31.0           | 35.0           | 10      |
| 420.303.18 | 33       | 38.5        | 33.0           | 38.5           | 10      |
| 420.303.19 | 35       | 45.5        | 35.0           | 36.5           | 10      |
| 420.303.20 | 38       | 42.5        | 38.0           | 40.5           | 10      |
| 420.303.21 | 40       | 49.5        | 40.0           | 40.5           | 10      |



Buy Now!



## Cork, Rubber

- Made of RSS-S grade rubber
- More pure rubber than regular stopper and has clear incineration & biodegradable property
- Permissible temp. upto 80°C & Shore Hardness 45



Buy Now!

| Item Code  | Cork No. | Top (±2 mm) | Bottom (±2 mm) | Height (±2 mm) | Pack of |
|------------|----------|-------------|----------------|----------------|---------|
| 410.303.01 | 000      | 9           | 6              | 16             | 10      |
| 410.303.02 | 0        | 13          | 9              | 15.5           | 10      |
| 410.303.03 | 1        | 14          | 11             | 18.5           | 10      |
| 410.303.04 | 2        | 16.5        | 13             | 20             | 10      |
| 410.303.05 | 3        | 19          | 14             | 21             | 10      |
| 410.303.06 | 4        | 21          | 15             | 22             | 10      |
| 410.303.07 | 5        | 22.5        | 17.5           | 23             | 10      |
| 410.303.08 | 6        | 24.5        | 20             | 24             | 10      |
| 410.303.09 | 7        | 26          | 20             | 27.5           | 10      |
| 410.303.10 | 8        | 26.5        | 21             | 27.5           | 10      |
| 410.303.11 | 9        | 28          | 21.5           | 31             | 10      |
| 410.303.12 | 10       | 30          | 26             | 33             | 10      |
| 410.303.13 | 11       | 33          | 29             | 32             | 10      |
| 410.303.14 | 12       | 34.5        | 30             | 34.5           | 10      |
| 410.303.15 | 13       | 38.5        | 31             | 37             | 10      |
| 410.303.16 | 14       | 41.5        | 32             | 42.5           | 10      |
| 410.303.17 | 15       | 42          | 38             | 40.5           | 10      |
| 410.303.18 | 16       | 45          | 35             | 36.5           | 10      |
| 410.303.19 | 17       | 49.5        | 40             | 40.5           | 10      |
| 410.303.20 | 18       | 53.5        | 48             | 33.5           | 10      |
| 410.303.21 | 19       | 58          | 44             | 45             | 10      |
| 410.303.22 | 20       | 60          | 51             | 56.5           | 10      |

## Cork, Rubber (Euro Design) DIN 12871



EU



Buy Now!

| Item Code  | Top (±2 mm) | Bottom (±2 mm) | Height (±2 mm) | Pack of |
|------------|-------------|----------------|----------------|---------|
| 410.303.23 | 6.5         | 3.5            | 15             | 10      |
| 410.303.24 | 9           | 5              | 20             | 10      |
| 410.303.25 | 12          | 8              | 20             | 10      |
| 410.303.26 | 14.5        | 10.5           | 20             | 10      |
| 410.303.27 | 16.5        | 12.5           | 20             | 10      |
| 410.303.28 | 18          | 14             | 20             | 10      |
| 410.303.29 | 22          | 17             | 25             | 10      |
| 410.303.30 | 24          | 18             | 30             | 10      |
| 410.303.31 | 27          | 21             | 30             | 10      |
| 410.303.32 | 29          | 23             | 30             | 10      |
| 410.303.33 | 32          | 26             | 30             | 10      |
| 410.303.34 | 35          | 29             | 30             | 10      |
| 410.303.35 | 38          | 31             | 35             | 10      |
| 410.303.36 | 44          | 36             | 40             | 10      |
| 410.303.37 | 49          | 41             | 40             | 10      |
| 410.303.38 | 55          | 47             | 40             | 10      |
| 410.303.39 | 59.5        | 50.5           | 45             | 10      |
| 410.303.40 | 65          | 56             | 45             | 10      |
| 410.303.41 | 70          | 60             | 50             | 10      |
| 410.303.42 | 75.5        | 64.5           | 55             | 10      |
| 410.303.43 | 83          | 71             | 60             | 10      |
| 410.303.44 | 92          | 79             | 65             | 10      |
| 410.303.45 | 100         | 87             | 65             | 10      |
| 410.303.46 | 107         | 94             | 65             | 10      |

## Cork, Silicon

- Made of high quality food grade FDA approved silicone, translucent
- Non reactive & very useful for organic chemistry use
- Resistant to high pressure, vaccum, Steam sterilization & UV sterilization
- Working temp. are 50 to 250°C
- Shore Hardness 45A

| Item Code  | Cork No. | Top<br>(±2 mm) | Bottom<br>(±2 mm) | Height<br>(±2 mm) | Pack of |
|------------|----------|----------------|-------------------|-------------------|---------|
| 405.303.01 | 9        | 11.5           | 9                 | 20                | 10      |
| 405.303.02 | 11       | 14             | 11                | 24                | 10      |
| 405.303.03 | 13       | 16             | 13                | 24                | 10      |
| 405.303.04 | 15       | 18             | 15                | 24                | 10      |
| 405.303.05 | 17       | 20             | 17                | 26                | 10      |
| 405.303.06 | 18       | 21             | 18                | 26                | 10      |
| 405.303.07 | 19       | 22.5           | 19                | 28                | 10      |
| 405.303.08 | 23       | 25.5           | 23                | 28                | 10      |
| 405.303.09 | 25       | 28.5           | 25                | 28                | 10      |
| 405.303.10 | 27       | 31             | 27                | 32                | 10      |
| 405.303.11 | 29       | 33             | 29                | 32                | 10      |
| 405.303.12 | 31       | 36             | 31                | 35                | 10      |
| 405.303.13 | 33       | 38.5           | 33                | 38.5              | 10      |



Buy Now!



## Cork, Silicon, Euro design

- Complies with DIN 12871 Standards

| Item Code  | Top<br>(±2 mm) | Bottom<br>(±2 mm) | Height<br>(±2 mm) | Pack of |
|------------|----------------|-------------------|-------------------|---------|
| 405.303.14 | 6.5            | 3.5               | 15                | 10      |
| 405.303.15 | 9              | 5                 | 20                | 10      |
| 405.303.16 | 12             | 8                 | 20                | 10      |
| 405.303.17 | 14.5           | 10.5              | 20                | 10      |
| 405.303.18 | 16.5           | 12.5              | 20                | 10      |
| 405.303.19 | 18             | 14                | 20                | 10      |
| 405.303.20 | 22             | 17                | 25                | 10      |
| 405.303.21 | 24             | 18                | 30                | 10      |
| 405.303.22 | 27             | 21                | 30                | 10      |
| 405.303.23 | 29             | 23                | 30                | 10      |
| 405.303.25 | 35             | 29                | 30                | 10      |
| 405.303.26 | 38             | 31                | 35                | 10      |
| 405.303.27 | 44             | 36                | 40                | 10      |
| 405.303.28 | 49             | 41                | 40                | 10      |
| 405.303.29 | 55             | 47                | 40                | 10      |
| 405.303.30 | 59.5           | 50.5              | 45                | 10      |
| 405.303.31 | 65             | 56                | 45                | 10      |
| 405.303.32 | 70             | 60                | 50                | 10      |
| 405.303.33 | 75.5           | 64.5              | 55                | 10      |
| 405.303.34 | 83             | 71                | 60                | 10      |
| 405.303.35 | 92             | 79                | 65                | 10      |
| 405.303.36 | 100            | 87                | 65                | 10      |
| 405.303.37 | 107            | 94                | 65                | 10      |



Buy Now!



## Tubing, Natural Rubber

- Tubing is suitable for laboratory, pharmaceutical, industrial and educational purposes
- Comes in Red colour
- Tolerance  $\pm 0.2\text{MM}$
- Made of RSS-3 grade rubber
- Has incineration & biodegradable property
- Permissible temp.  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$



Buy Now!

| Item Code  | Inner Diameter (ID in MM) | Wall Thickness (WT in MM) | Outer Diameter (OD in MM) | Pack of |
|------------|---------------------------|---------------------------|---------------------------|---------|
| 406.303.01 | 4.0                       | 1.0                       | 6                         | 10 Mtr. |
| 406.303.02 | 5.0                       | 1.5                       | 8                         | 10 Mtr. |
| 406.303.03 | 6.0                       | 1.5                       | 9                         | 10 Mtr. |
| 406.303.04 | 7.0                       | 1.5                       | 10                        | 10 Mtr. |
| 406.303.05 | 8.0                       | 1.5                       | 11                        | 10 Mtr. |
| 406.303.06 | 9.0                       | 2.0                       | 13                        | 10 Mtr. |
| 406.303.07 | 10.0                      | 2.0                       | 14                        | 10 Mtr. |
| 406.303.08 | 12.0                      | 2.0                       | 16                        | 10 Mtr. |



## Tubing, Pressure Rubber

- Suitable for laboratory, pharmaceutical, industrial and educational purposes
- Made of Natural Rubber
- Resistant to light acids, light alkalis
- Tolerance  $\pm 0.2\text{MM}$
- Shore Hardness 50-55A
- Permissible temp.  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$



Buy Now!

| Item Code  | Inner Diameter (ID in MM) | Wall Thickness (WT in MM) | Outer Diameter (OD in MM) | Pack of |
|------------|---------------------------|---------------------------|---------------------------|---------|
| 408.303.01 | 3.0                       | 3.0                       | 9                         | 10 Mtr. |
| 408.303.02 | 5.0                       | 3.0                       | 11                        | 10 Mtr. |
| 408.303.03 | 6.0                       | 3.0                       | 12                        | 10 Mtr. |
| 408.303.04 | 8.0                       | 3.0                       | 14                        | 10 Mtr. |
| 408.303.05 | 9.0                       | 3.0                       | 15                        | 10 Mtr. |
| 408.303.06 | 10.0                      | 4.0                       | 18                        | 10 Mtr. |
| 408.303.07 | 12.0                      | 4.0                       | 20                        | 10 Mtr. |



## Tubing, High Pressure Rubber

- Suitable for laboratory, pharmaceutical, industrial and educational purposes
- Made of Natural Rubber
- Resistant to light acids, light alkalis
- Tolerance  $\pm 0.2\text{MM}$
- Shore Hardness 50-55A
- Permissible temp.  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$

| Item Code  | Inner Diameter (ID in MM) | Wall Thickness (WT in MM) | Outer Diameter (OD in MM) | Pack of |
|------------|---------------------------|---------------------------|---------------------------|---------|
| 409.303.01 | 3.0                       | 5.0                       | 13                        | 10 Mtr. |
| 409.303.02 | 5.0                       | 5.0                       | 15                        | 10 Mtr. |
| 409.303.03 | 6.0                       | 5.0                       | 16                        | 10 Mtr. |
| 409.303.04 | 8.0                       | 5.0                       | 18                        | 10 Mtr. |
| 409.303.05 | 9.0                       | 5.0                       | 19                        | 10 Mtr. |
| 409.303.07 | 10.0                      | 6.0                       | 22                        | 10 Mtr. |
| 409.303.06 | 12.5                      | 6.5                       | 24                        | 10 Mtr. |



Buy Now!



## Tubing Pressure Green :

| Item Code  | Inner Diameter (ID in MM) | Wall Thickness (WT in MM) | Outer Diameter (OD in MM) | Pack of |
|------------|---------------------------|---------------------------|---------------------------|---------|
| 401.303.01 | 6.4                       | 3.2                       | 12.8                      | 10 Mtr. |



Buy Now!

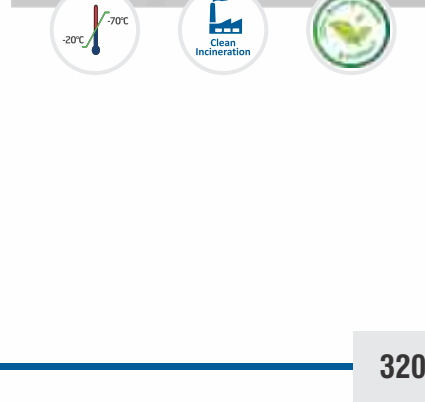


## Tubing, Blood Pressure Green Superior :

| Item Code  | Inner Diameter (ID in MM) | Wall Thickness (WT in MM) | Outer Diameter (OD in MM) | Pack of |
|------------|---------------------------|---------------------------|---------------------------|---------|
| 403.303.01 | 3                         | 2.5                       | 8                         | 10 Mtr. |



Buy Now!



## Tubing, Silicon Rubber

- Complies with USP VI standards & USP CFR 177 2600 Compliant
- Made of high quality food grade
- Non reactive & very useful for organic chemistry use
- Resistant to high pressure, vacuums, Steam sterilization & UV sterilization
- Working temp. are -50 to 250°C
- Shore Hardness 45A



Buy Now!

| Item Code  | Inner Diameter (ID in MM) | Wall Thickness (WT in MM) | Outer Diameter (OD in MM) | Pack of |
|------------|---------------------------|---------------------------|---------------------------|---------|
| 400.303.01 | 2                         | 1                         | 4                         | 10 Mtr. |
| 400.303.02 | 3                         | 1                         | 5                         | 10 Mtr. |
| 400.303.03 | 3                         | 1.5                       | 6                         | 10 Mtr. |
| 400.303.04 | 4                         | 1                         | 6                         | 10 Mtr. |
| 400.303.05 | 4                         | 1.5                       | 7                         | 10 Mtr. |
| 400.303.06 | 5                         | 1                         | 7                         | 10 Mtr. |
| 400.303.07 | 5                         | 1.5                       | 8                         | 10 Mtr. |
| 400.303.08 | 6                         | 1                         | 8                         | 10 Mtr. |
| 400.303.09 | 6                         | 1.5                       | 9                         | 10 Mtr. |
| 400.303.10 | 6                         | 2                         | 10                        | 10 Mtr. |
| 400.303.11 | 6                         | 3                         | 12                        | 10 Mtr. |
| 400.303.12 | 7                         | 1.5                       | 10                        | 10 Mtr. |
| 400.303.13 | 7                         | 2                         | 11                        | 10 Mtr. |
| 400.303.14 | 8                         | 1.5                       | 11                        | 10 Mtr. |
| 400.303.15 | 8                         | 2                         | 12                        | 10 Mtr. |
| 400.303.16 | 8                         | 3                         | 14                        | 10 Mtr. |
| 400.303.17 | 9                         | 2                         | 13                        | 10 Mtr. |
| 400.303.18 | 10                        | 2                         | 14                        | 10 Mtr. |
| 400.303.19 | 10                        | 3                         | 16                        | 10 Mtr. |
| 400.303.20 | 12                        | 3.5                       | 19                        | 10 Mtr. |
| 400.303.22 | 14                        | 3                         | 20                        | 10 Mtr. |
| 400.303.23 | 15                        | 4                         | 23                        | 10 Mtr. |
| 400.303.24 | 16                        | 3                         | 22                        | 10 Mtr. |

## Tubing, Silicon Platinum Cured



Buy Now!

| Item Code  | Inner Diameter (ID in MM) | Wall Thickness (WT in MM) | Outer Diameter (OD in MM) | Pack of |
|------------|---------------------------|---------------------------|---------------------------|---------|
| 400.350.03 | 3.0                       | 1.5                       | 6                         | 1 Mtr.  |
| 400.350.05 | 4.0                       | 1.5                       | 7                         | 1 Mtr.  |
| 400.350.07 | 5.0                       | 1.5                       | 8                         | 1 Mtr.  |
| 400.350.09 | 6.0                       | 1.5                       | 9                         | 1 Mtr.  |
| 400.350.10 | 6.0                       | 2.0                       | 10                        | 1 Mtr.  |
| 400.350.12 | 7.0                       | 1.5                       | 10                        | 1 Mtr.  |
| 400.350.13 | 7.0                       | 2.0                       | 11                        | 1 Mtr.  |
| 400.350.14 | 8.0                       | 1.5                       | 11                        | 1 Mtr.  |
| 400.350.15 | 8.0                       | 2.0                       | 12                        | 1 Mtr.  |
| 400.350.17 | 9.0                       | 2.0                       | 13                        | 1 Mtr.  |
| 400.350.18 | 10.0                      | 2.0                       | 14                        | 1 Mtr.  |
| 400.350.20 | 12.0                      | 2.0                       | 16                        | 1 Mtr.  |

## Tubing, Vacuum

- Made of pure natural rubber.
- Used for high pressure applications
- Available in per meter
- Walls does not collapse at high pressure applications

| Item Code  | ID x OD (mm) | Pack of |
|------------|--------------|---------|
| 407.303.01 | 6 x 19       | 1 Mtr.  |
| 407.303.02 | 8 x 22       | 1 Mtr.  |



Buy Now!



## Teats

- Used in laboratory with droppers for dispensing drops or qualitative amounts of liquids or chemicals.

| Item Code  | Type    | Rubber Type    | Capacity | Pack of |
|------------|---------|----------------|----------|---------|
| 414.303.01 | Conical | Natural Rubber | 1        | 10      |
| 414.303.02 | Conical | Natural Rubber | 2-3      | 10      |
| 414.303.03 | Round   | Natural Rubber | 1        | 10      |
| 414.303.04 | Conical | Silicon Rubber | 1        | 10      |
| 414.303.05 | Conical | Silicon Rubber | 2-3      | 10      |
| 561.505.01 | Round   | Latex Rubber   | Small    | 10      |
| 561.505.02 | Round   | Latex Rubber   | Large    | 10      |



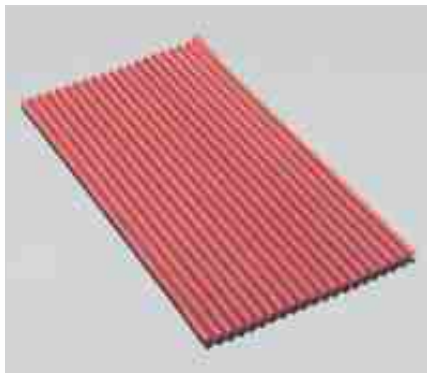
Buy Now!



Available in **pack of 10** only



Available in **Pack of 10 Meter Coil** only



**Buy Now!**

## Sheet, Rubber Corrugated

- Used in Industrial Shelves, Hospital and Medical Buildings

| Item Code  | Dimension (mm) | Pack of |
|------------|----------------|---------|
| 402.303.01 | 350 x 150      | 4       |

Minimum order quantity : **5 Meter coil**



**Buy Now!**

## Mat, Laboratory

| Item Code  | Dimension (mm) | Rubber Type     | Pack of |
|------------|----------------|-----------------|---------|
| 402.400.01 | 12" x 12"      | Natural Rubber  | 4       |
| 402.400.02 | 12" x 12"      | Silicone Rubber | 4       |



**Buy Now!**

## Sheet, Laboratory

- Used to avoid direct surface Contact of glassware products on the solid sur face.

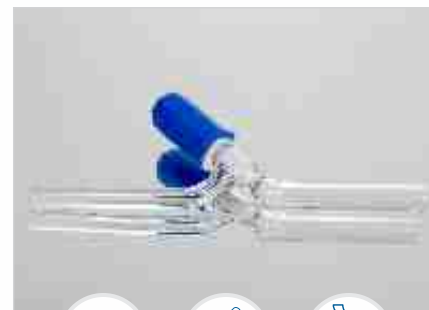
| Item Code  | Dimension (mm)    | Rubber Type     | Pack of |
|------------|-------------------|-----------------|---------|
| 402.500.01 | 9.5" x 9.5" x 2.7 | Natural Rubber  | 4       |
| 402.500.02 | 9.5" x 9.5" x 2.7 | Silicone Rubber | 4       |

## PTFE Needle Valve Stopcock, Straight

| Item Code  | Bore Size (mm) | Pack of |
|------------|----------------|---------|
| 299.202.01 | 0-3            | 10      |
| 299.202.02 | 0-6            | 10      |



Buy Now!



GLASS  
BORO  
3.3

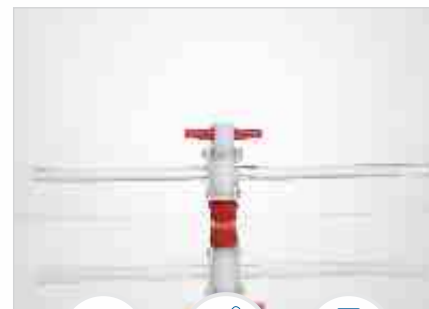


## PTFE Key Stopcock, Straight

| Item Code  | Size (mm) | Bore Size (mm) | Pack of |
|------------|-----------|----------------|---------|
| 300.202.01 | 12.5      | 2.5            | 10      |
| 300.202.02 | 14.5      | 2.5            | 10      |
| 300.202.03 | 14.5      | 4.0            | 10      |
| 300.202.04 | 18.8      | 6.0            | 10      |



Buy Now!



GLASS  
BORO  
3.3

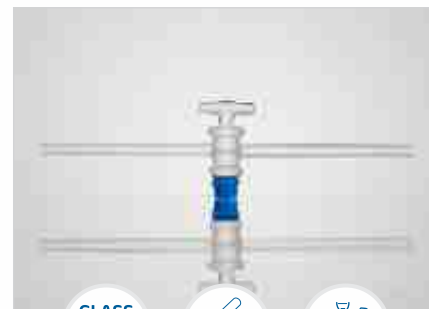


## Glass Stopcock, Straight

| Item Code  | Size (mm) | Bore Size (mm) | Pack of |
|------------|-----------|----------------|---------|
| 301.202.01 | 12.5      | 2.5            | 10      |
| 301.202.02 | 14.5      | 2.5            | 10      |
| 301.202.03 | 14.5      | 4.0            | 10      |
| 301.202.04 | 18.8      | 6.0            | 10      |



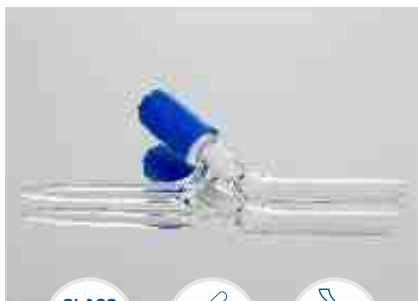
Buy Now!



GLASS  
BORO  
3.3



# Stopcocks



GLASS  
BORO  
3.3

Chemical  
Resistant

Rotaflow



Buy Now!

## PTFE Needle Valve Stopcock, For Burette

| Item Code  | Bore Size (mm) | Pack of |
|------------|----------------|---------|
| 302.202.01 | 0-3            | 10      |



GLASS  
BORO  
3.3

Chemical  
Resistant

PTFE



Buy Now!

## PTFE Key Stopcock, For Burette

| Item Code  | Size (mm) | Bore Size (mm) | Pack of |
|------------|-----------|----------------|---------|
| 303.202.01 | 12.5      | 2.5            | 10      |



GLASS  
BORO  
3.3

Chemical  
Resistant

GLASS



Buy Now!

## Glass Key Stopcock, For Burette

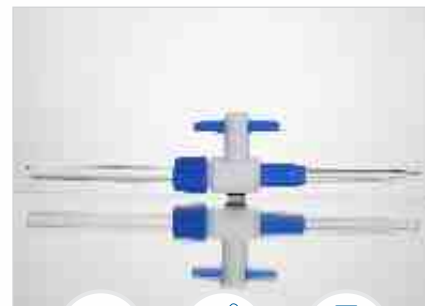
| Item Code  | Bore Size (mm) | Pack of |
|------------|----------------|---------|
| 304.202.01 | 0-3            | 10      |

## Detachable PTFE Key Stopcock, For Burette

| Item Code   | Pack of |
|-------------|---------|
| 306.202.01D | 10      |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

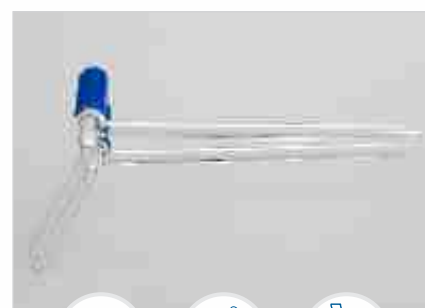
PTFE

## PTFE Needle Valve Stopcock, 90°

| Item Code  | Bore Size (mm) | Pack of |
|------------|----------------|---------|
| 305.202.01 | 0-3            | 10      |
| 305.202.02 | 0-6            | 10      |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

Rotaflow

## PTFE Needle Valve Stopcock, For Automatic Burette

| Item Code  | Bore Size (mm) | Pack of |
|------------|----------------|---------|
| 306.202.01 | 0-3            | 10      |



Buy Now!



GLASS  
BORO  
3.3

Chemical  
Resistant

Rotaflow

## ASTM (E-675) PTFE Key stopcock, straight

| Item Code  | Bore (mm) | Diameter of plug to center-line of bore (mm) | Shell Length (mm) | Pack of |
|------------|-----------|--|-------------------|---------|
| 300.402.01 | 2         | 12   | 30                | 10      |
| 300.402.02 | 4         | 14   | 40                | 10      |
| 300.402.03 | 6         | 16   | 44                | 10      |



Buy Now!



# Stoppers

## Stoppers, Hollow with Tip

- In compliance with Din 12252 standard
- Used on different kind of jointed products like bottles, stoppered cylinder and jointed flasks mainly volumetric flasks.
- Hexagonal head if placed on at head end avoids contamination of ground surface, with hexagonal form head it also helps in preventing the rolling of the stopper and provides a good grip.
- The stoppers below comes in drip tip form also which if placed on the flask helps liquid to return to the flask till the last drop.



Buy Now!

## DIN 12252

| Item Code  | N/S   | Bottom Type | Pack of |
|------------|-------|-------------|---------|
| 011.205.01 | 10/19 | Tip         | 100     |
| 011.205.02 | 12/21 | Tip         | 100     |
| 011.205.03 | 14/23 | Tip         | 100     |
| 011.205.04 | 19/26 | Tip         | 100     |
| 011.205.05 | 24/29 | Tip         | 100     |
| 011.205.06 | 29/32 | Tip         | 100     |
| 011.205.07 | 34/35 | Tip         | 50      |



Buy Now!

## Flower-Power Stopper, Polyethylene

- Agronomic Design
- In compliance with Din 12254 standard
- Used mainly with volumetric flasks the Flower-Power™ form large head provides good grip and also protects flasks from breaking if it drops accidentally
- Available in Multiple Color against Anaquel 100 Pieces

## White & Blue DIN 12254

| Item Code   | N/S   | Pack of |
|-------------|-------|---------|
| 011.232.01  | 10/19 | 100     |
| 011.232.02  | 12/21 | 100     |
| 011.232.03  | 14/23 | 100     |
| 011.232.04  | 19/26 | 100     |
| 011.232.05  | 24/29 | 100     |
| 011.232.06  | 29/32 | 100     |
| 011.232.07* | 34/35 | 100     |

\* Non DIN

Available in Different colours



## Solid Penny Head Stoppers

- For ASTM Standard Flasks
- The Flasks with ASTM E-288 can also be provided with Penny Head Stoppers

| Item Code   | Description   | Pack of |
|-------------|---------------|---------|
| 012.269.02  | STOPPER NO 13 | 100     |
| 012.269.02A | STOPPER NO 16 | 100     |
| 012.269.03  | STOPPER NO 19 | 100     |
| 012.269.04  | STOPPER NO 22 | 100     |
| 012.269.05  | STOPPER NO 27 | 100     |



Buy Now!



*PS: Penny Head Stoppers can be provided in Amber color. Prices can be sent on request.*

## PE Stopper (ASTM)

| Item Code  | Description   | Pack of |
|------------|---------------|---------|
| 011.432.01 | STOPPER NO 8  | 25      |
| 011.432.02 | STOPPER NO 9  | 25      |
| 011.432.03 | STOPPER NO 13 | 25      |
| 011.432.04 | STOPPER NO 16 | 25      |
| 011.432.05 | STOPPER NO 19 | 25      |
| 011.432.06 | STOPPER NO 22 | 25      |
| 011.432.07 | STOPPER NO 27 | 25      |
| 011.432.08 | STOPPER NO 38 | 25      |



Buy Now!



## PTFE Stopper

| Item Code  | Description   | Pack of |
|------------|---------------|---------|
| 011.478.01 | STOPPER NO 8  | 25      |
| 011.478.02 | STOPPER NO 9  | 25      |
| 011.478.03 | STOPPER NO 13 | 25      |
| 011.478.04 | STOPPER NO 16 | 25      |
| 011.478.05 | STOPPER NO 19 | 25      |
| 011.478.06 | STOPPER NO 22 | 25      |
| 011.478.07 | STOPPER NO 27 | 25      |
| 011.478.08 | STOPPER NO 38 | 25      |



Buy Now!





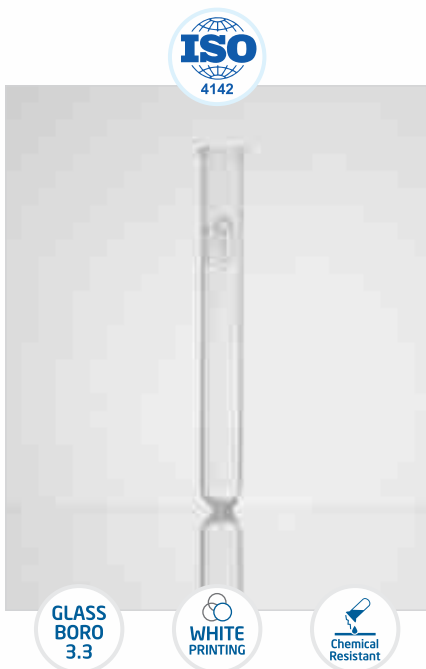
Buy Now!

## Test Tube, Re-usable

- Complies to **EN ISO 4142**
- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Without Rim
- Uniform wall Thickness
- Excellent heat transfer

| Item Code    | Capacity (ml) | O.D. x Height (mm) | Thickness (mm) | Pack of |
|--------------|---------------|--------------------|----------------|---------|
| 097.202.01   | 3             | 10 x 75            | 1.0            | 100     |
| 097.202.02   | 5             | 12 x 75            | 1.0            | 100     |
| 097.202.03   | 6             | 12 x 100           | 1.0            | 100     |
| 097.202.04*  | 13            | 15 x 125           | 1.2            | 100     |
| 097.203.05*  | 15            | 15 x 150           | 1.2            | 100     |
| 097.202.05   | 27            | 18 x 150           | 1.2            | 100     |
| 097.203.06   | 45            | 20 x 150           | 1.2            | 100     |
| 097.211.07A* | 38            | 25 x 100           | 1.2            | 100     |
| 097.202.06*  | 55            | 25 x 150           | 1.2            | 100     |
| 097.202.07*  | 60            | 25 x 200           | 1.2            | 100     |
| 097.211.10A* | 100           | 32 x 200           | 1.4            | 50      |
| 097.211.12*  | 150           | 38 x 200           | 1.4            | 50      |

\* Non DIN/ISO



Buy Now!

## Test Tube, Re-usable

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- With Rim EN ISO-4142
- Uniform wall Thickness
- Excellent heat transfer

| Item Code    | Capacity (ml) | O.D. x Height (mm) | Thickness (mm) | Pack of |
|--------------|---------------|--------------------|----------------|---------|
| 097.215.01   | 3             | 10 x 75            | 1.0            | 100     |
| 097.215.02   | 5             | 12 x 75            | 1.0            | 100     |
| 097.215.03   | 7             | 12 x 100           | 1.0            | 100     |
| 097.215.04*  | 13            | 15 x 125           | 1.2            | 100     |
| 097.215.04A* | 15            | 15 x 150           | 1.2            | 100     |
| 097.215.06   | 27            | 18 x 150           | 1.2            | 100     |
| 097.215.07   | 45            | 20 x 150           | 1.2            | 100     |
| 097.215.08*  | 38            | 25 x 100           | 1.2            | 100     |
| 097.215.08A* | 55            | 25 x 150           | 1.2            | 100     |
| 097.215.08B* | 70            | 25 x 200           | 1.2            | 100     |
| 097.215.12*  | 100           | 32 x 200           | 1.4            | 50      |
| 097.215.14*  | 150           | 38 x 200           | 1.4            | 50      |

\* Non DIN/ISO

## Disposable Glassware Culture Tube with Screw Cap Finish - Boro Glass 5.1 *New*

Tubes have a marking spot and reference mark for orientation during use and a threaded neck to accept screw cap.

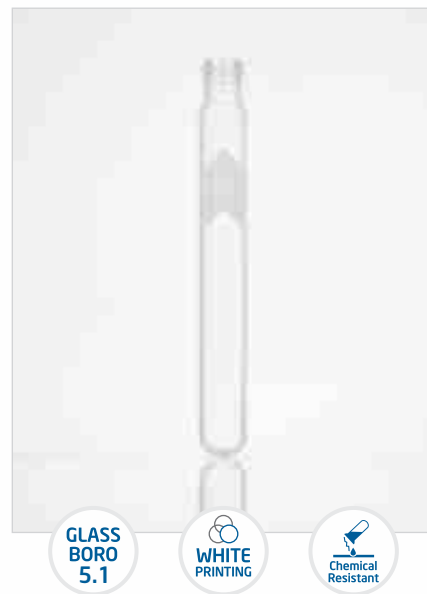
### Salient Features :

- Borosilicate glass 5.1 expansion construction
- Marking spot and orientation reference mark on all tubes

| Item Code | O.D. x Height (mm) | Thread Finish | Over Flow Volume (ml) | Pieces/Case |
|-----------|--------------------|---------------|-----------------------|-------------|
| 23283.800 | 13 x 100           | 13-415        | 8                     | 1000        |
| 23283.802 | 16 x 100           | 15-415        | 12                    | 1000        |
| 23283.804 | 16 x 125           | 15-415        | 16                    | 1000        |
| 23283.806 | 16 x 150           | 15-415        | 20                    | 1000        |
| 23283.685 | 20 x 125           | 18-415        | 30                    | 500         |
| 23283.686 | 20 x 150           | 18-415        | 33                    | 500         |



Buy Now!



## Phenolic Caps, With Rubber Liner *New*

| Item Code  | O.D. x Height (mm) | Thread Finish | Pieces/Case |
|------------|--------------------|---------------|-------------|
| 23283.800C | 13 x 100           | 13-415        | 1000        |
| 23283.804C | 16 x 125           | 15-415        | 1000        |
| 23283.685C | 20 x 125           | 18-415        | 1000        |



Buy Now!







Buy Now!

GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

Screw  
Cap

Leakproof

## Tubes Culture Round Bottom, Reusable

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- With Screw Thread and Teflon Liner
- Leakproof
- Comes with PP Screw Cap

| Item Code   | O.D. x Length (mm) | Bottom Type | Capacity ml | Pack of |
|-------------|--------------------|-------------|-------------|---------|
| 082.204.01  | 12 x 100           | Round       | 5           | 100     |
| 082.204.02B | 16 x 75            | Round       | 5           | 100     |
| 082.204.02  | 16 x 100           | Round       | 10          | 100     |
| 082.204.03  | 16 x 125           | Round       | 15          | 100     |
| 082.204.04  | 16 x 160           | Round       | 20          | 100     |
| 082.204.05  | 18 x 180           | Round       | 30          | 100     |
| 082.204.06  | 20 x 100           | Round       | 15          | 100     |
| 082.204.07  | 20 x 200           | Round       | 40          | 100     |
| 082.204.08  | 22 x 200           | Round       | 45          | 100     |
| 082.202.05  | 25 x 100           | Round       | 30          | 100     |
| 082.202.06  | 25 x 150           | Round       | 50          | 100     |
| 082.202.07  | 25 x 200           | Round       | 60          | 100     |
| 082.204.13  | 38 x 200           | Round       | 150         | 50      |



Buy Now!

GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

Screw  
Cap

## Tubes, Amber Culture Media, Round Bottom, Reusable

- The uniform Amber colour is highly durable and chemical resistance
- Leakproof
- Comes with PP Screw Cap & PTFE Liner

| Item Code   | Capacity (ml) | O.D. x Length (mm) | Bottom Type | Pack of |
|-------------|---------------|--------------------|-------------|---------|
| 082.279.05  | 5             | 16 x 75            | Round       | 100     |
| 082.279.05A | 10            | 16 x 125           | Round       | 100     |
| 082.279.10  | 30            | 25 x 100           | Round       | 100     |
| 082.279.10A | 60            | 25 x 200           | Round       | 100     |
| 082.279.13  | 150           | 38 x 200           | Round       | 50      |

**PS:** Test Tubes in other sizes can be provided on request

## Tubes, Culture Media, Flat Bottom

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Printed in matt finish white colour enamel
- Comes with PP Screw Cap & PTFE Liner
- Uniform wall Thickness

| Item Code    | Capacity (ml) | O.D. x Length (mm) | Bottom Type | Pack of |
|--------------|---------------|--------------------|-------------|---------|
| 083.204.02C  | 5             | 16 x 50            | Flat        | 100     |
| 083.202.01   | 5             | 18 x 45            | Flat        | 100     |
| 083.202.02A  | 10            | 25 x 50            | Flat        | 100     |
| 083.202.02AB | 15            | 25 x 57            | Flat        | 100     |
| 083.202.02B  | 20            | 25 x 72            | Flat        | 100     |
| 083.202.03   | 30            | 25 x 95            | Flat        | 100     |
| 083.202.04   | 40            | 25 x 145           | Flat        | 100     |



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GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

Screw Cap

## Tubes, Amber Culture Media, Flat Bottom

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- The uniform Amber colour is highly durable and chemical resistance
- Comes with PP Screw Cap & PTFE Liner

| Item Code   | Capacity (ml) | O.D. x Length (mm) | Bottom Type | Pack of |
|-------------|---------------|--------------------|-------------|---------|
| 083.279.01  | 5             | 16 x 50            | Flat        | 100     |
| 083.279.01A | 5             | 18 x 45            | Flat        | 100     |
| 083.279.02  | 10            | 25 x 50            | Flat        | 100     |
| 083.279.03  | 15            | 25 x 57            | Flat        | 100     |
| 083.279.04  | 20            | 25 x 72            | Flat        | 100     |
| 083.279.06  | 30            | 25 x 100           | Flat        | 100     |
| 083.279.06A | 40            | 25 x 145           | Flat        | 100     |



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GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

Screw Cap

**PS:** Test Tubes in other sizes can be provided on request



Buy Now!

## Closure Cap for Test Tubes

- Made of Polypropylene

| Item Code  | Size for Tube (mm) | Pack of |
|------------|--------------------|---------|
| 100.202.01 | 12                 | 100     |
| 100.202.02 | 15                 | 100     |
| 100.202.03 | 18                 | 100     |
| 100.202.04 | 20                 | 100     |
| 100.202.05 | 25                 | 100     |

## Disposable Glassware Culture Tube - Boro Glass 5.1 *New*

Glassco Disposable Culture Tubes are resistant to chemical attack and weathering.

### Salient Features:









- Boro Glass 5.1 Expansion offers excellent chemically resistance
- Uniform dimensions
- High heat tolerance
- Convenient dispensing packages

Manufactured from Type-I, Class B borosilicate glass, each tube is heat-treated at temp. exceeding 500°C (932°F) immediately before packing, which eliminates contamination, increases strength, and reduces breakage. Tubes features well-rounded bottoms and fire polished tops free of rough edges. Dimensional specifications of these tubes are rigidly controlled for reliable, uniform results.

Tubes are clean-sealed in a convenient dispensing package to keep them free from dust and other particulate contamination.

Tube (O.D. 6 x 50 mm) is also known as a **Durham Tube**.

Contents will not leach out and contaminate solutions. Borosilicate glass construction prevents pH change in laboratory tests.

-  **Biosafety**
-  **Light Weight**
-  **Water Saving**
-  **Less Manpower**
-  **Time Saving**
-  **Low Cost**
-  **Use & Throw**
-  **Environment Friendly**



Buy Now!

| Item Code | O.D. x Height (mm) | Over Flow Volume (ml) | Pieces/Case |
|-----------|--------------------|-----------------------|-------------|
| 27729.566 | 6 x 50             | 0.75                  | 2000        |
| 27729.568 | 10 x 75            | 3                     | 1000        |
| 27729.570 | 12 x 75            | 5                     | 1000        |
| 27729.572 | 13 x 100           | 9                     | 1000        |
| 27729.574 | 15 x 85            | 10                    | 1000        |
| 27729.576 | 16 x 100           | 14                    | 1000        |
| 27729.578 | 16 x 125           | 18                    | 1000        |
| 27729.580 | 16 x 150           | 22                    | 1000        |
| 27729.583 | 18 x 150           | 28                    | 500         |
| 27729.584 | 20 x 150           | 34                    | 500         |
| 27729.586 | 25 x 150           | 60                    | 500         |

Ordering Information: Due to machine packaging, quantities per case are approximate.

GLASS BORO 5.1

WHITE PRINTING

Chemical Resistant

## Disposable Glassware Culture Tube - Boro Glass 7.0 *New*

These tubes are chemically clean and well-suited for general use in chemistry, blood banks, hematology and other laboratory procedures.

### Salient Features:

- Fire-polished top
- Shrink-film sealed to prevent contamination
- Well-rounded bottoms

Each tube is annealed at temperatures over 426.7°C (800°F) to increase strength and reduce breakage. Tubes feature smooth, well-rounded bottoms with no irregularities. Tops are fire-polished to eliminate rough edges. Tubes are packed in lint-free packaging and are shrink-film sealed to prevent any contamination from outside sources.



Buy Now!

| Item Code | O.D. x Height (mm) | Over Flow Volume (ml) | Pieces/Case |
|-----------|--------------------|-----------------------|-------------|
| 20825.402 | 10 x 75            | 3                     | 1000        |
| 20825.406 | 12 x 75            | 5                     | 1000        |
| 20825.414 | 13 x 100           | 9                     | 1000        |
| 20825.425 | 16 x 100           | 11                    | 1000        |
| 20825.430 | 16 x 125           | 15                    | 1000        |
| 20825.435 | 16 x 150           | 20                    | 1000        |
| 20825.443 | 18 x 150           | 28                    | 500         |
| 20825.447 | 20 x 150           | 34                    | 500         |

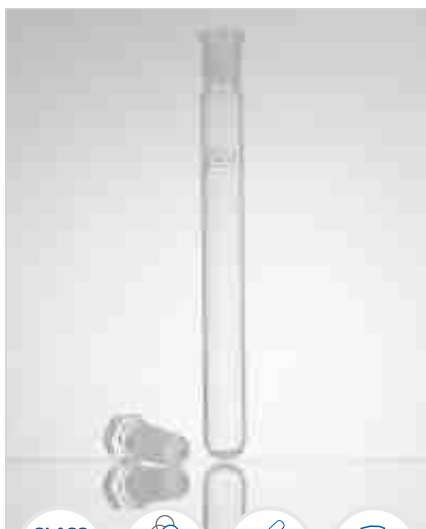
GLASS BORO 7.0

WHITE PRINTING

Chemical Resistant

## Test Tube

- With Interchangeable Penny Head Glass Stopper



Buy Now!

| Item Code  | Height x O.D. (mm) | Stopper Size | Pack of |
|------------|--------------------|--------------|---------|
| 096.202.01 | 100 x 12           | 10/19        | 100     |
| 096.202.02 | 125 x 15           | 12/21        | 100     |
| 096.202.03 | 150 x 18           | 14/23        | 100     |
| 096.202.04 | 150 x 25           | 19/26        | 100     |
| 096.202.05 | 200 x 25           | 19/26        | 100     |
| 096.202.06 | 200 x 32           | 24/29        | 50      |
| 096.202.07 | 200 x 38           | 24/29        | 50      |

GLASS  
BORO  
3.3

WHITE  
PRINTING

Chemical  
Resistant

HOLLOW

## Test Tube

- With joint & Penny Head Glass stopper
- With Graduation



Buy Now!

| Item Code   | Height x O.D. (mm) | Stopper Size | Pack of |
|-------------|--------------------|--------------|---------|
| 095.202.01  | 100 x 12           | 10/19        | 100     |
| 095.202.02  | 125 x 15           | 12/21        | 100     |
| 095.202.03  | 150 x 18           | 14/23        | 100     |
| 095.202.04A | 150 x 25           | 19/26        | 100     |
| 095.202.04  | 200 x 25           | 19/26        | 100     |
| 095.202.06  | 200 x 32           | 24/29        | 50      |
| 095.202.07  | 200 x 38           | 24/29        | 50      |

GLASS  
BORO  
3.3

BLUE  
PRINTING

Chemical  
Resistant

30  
20  
10

## Tube, COD Digestion Tube, With Stopper

- Made from thick walled, mechanically very resistance borosilicate glass
- Used in COD Disintegration
- Printed in White colour enamel

| Item Code  | O.D. x Length (mm) | N/S   | Pack of |
|------------|--------------------|-------|---------|
| 091.202.15 | 36 x 205           | 29/32 | 10      |
| 091.202.17 | 29 x 205           | 29/32 | 10      |



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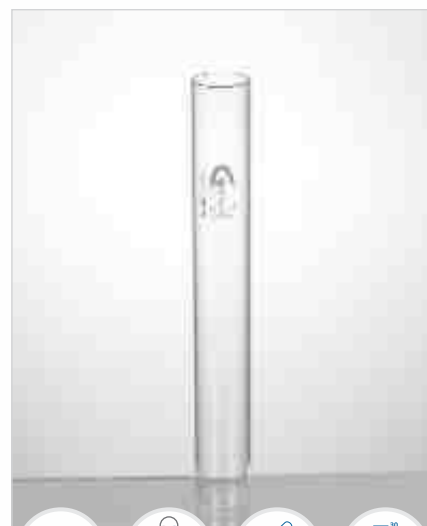
## Test Tube, Flat Bottom

- Made of borosilicate glass, designed with a flat bottom
- High thermal shock resistance
- Designed without a rim
- Used for pathological tests and disintegration apparatus

| Item Code   | O.D. x Length (mm) | Cap. (ml) | Pack of |
|-------------|--------------------|-----------|---------|
| 093.202.02  | 12 x 75            | 5.        | 100     |
| 093.202.06A | 18 x 138           | 22        | 100     |
| 093.202.06  | 18 x 55            | 26        | 100     |
| 093.202.03A | 13 x 110           | 10        | 100     |
| 093.502.07  | 18 x 100           | 18        | 100     |



Buy Now!





GLASS  
BORO  
3.3

BLUE  
PRINTING

Chemical  
Resistant



Buy Now!

## Tube, Reaction

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass

| Item Code  | Capacity (ml) | Socket | Pack of |
|------------|---------------|--------|---------|
| 047.202.06 | 25            | 14/20  | 1       |



Nylon



Buy Now!

## Brush, Test Tube

| Item Code  | Type            | Material | Pack of |
|------------|-----------------|----------|---------|
| 593.303.02 | Test Tube Brush | Nylon    | 50      |

## Test Tube Baskets

- Made of Polypropylene
- Are autoclavable and non-corrosive
- Ideal for rinsing & draining glassware
- Useful for storage of test tubes or culture tubes during sterilization or incubation

| Item Code  | Size            | Pack of |
|------------|-----------------|---------|
| 167.303.01 | 140 x 120 x 110 | 6       |
| 167.303.02 | 160 x 160 x 160 | 6       |
| 167.303.03 | 400 x 400 x 100 | 6       |



Buy Now!



## Test Tube Stand

this autoclavable stand is perhaps the most commonly used Test Tube Stand in various laboratories. For better visibility, this 6 place rack is end supported by 2 columns. The top plate has 2 holes for holding 25 mm dia test tubes, four holes to hold 16 mm dia tubes where as the base has corresponding hemispherical wells. It also has six vertical pins for drying tubes.

Material : Polypropylene

| Item Code  | Size         | Pack of |
|------------|--------------|---------|
| 161.303.02 | 25 mm. Tubes | 12      |



Buy Now!







Buy Now!

## Test Tube Stand (Round)

a handy, little, space saver, this circular twelve place Polypropylene Test Tube Stand has four 25 mm. dia holes & eight 19 mm dia holes in its top plate. The base has matching hemispherical wells & 16 vertical pins for drying tubes surrounded by a trough to catch drippings. This autoclavable rack can be easily disassembled for cleaning purpose. Material : Polypropylene

| Item Code  | Size                  | Pack of |
|------------|-----------------------|---------|
| 162.303.01 | 19 mm. & 25 mm. Tubes | 2       |



Buy Now!

## Test Tube Stand (3 TIER)

- Made of Polypropylene
- Ingenious racks with 3-Tier design provide clear view of the tube contents
- Convenient inserting & removal of tubes
- Every part of rack is coloured & opaque
- Are autoclavable and withstand sub-freezing temperatures

| Item Code  | Size/Capacity    | Pack of |
|------------|------------------|---------|
| 163.303.01 | 13 mm x 31 Tubes | 2       |
| 163.303.02 | 16 mm x 31 Tubes | 2       |
| 163.303.03 | 20 mm x 20 Tubes | 2       |
| 163.303.04 | 25 mm x 12 Tubes | 2       |
| 163.303.05 | 25 mm x 18 Tubes | 2       |
| 163.303.06 | 32 mm x 12 Tubes | 2       |
| 163.303.07 | 25 mm x 36 Tubes | 2       |
| 163.303.08 | 13 mm x 18 Tubes | 4       |
| 163.303.09 | 15 mm x 18 Tubes | 4       |
| 163.303.10 | 18 mm x 12 Tubes | 4       |
| 163.303.11 | 13 mm x 62 Tubes | 2       |
| 163.303.12 | 16 mm x 62 Tubes | 2       |
| 163.303.13 | 20 mm x 40 Tubes | 2       |
| 163.303.14 | 13 mm x 48 Tubes | 2       |
| 163.303.15 | 13 mm x 72 Tubes | 2       |

## Test Tube Stand (3 TIER)

- Made of Polycarbonate
- Ingenious racks with 3-Tier design provide clear view of the tube contents
- Convenient inserting & removal of tubes
- Every part of rack is coloured & opaque
- Are autoclavable and withstand sub-freezing temperatures
- Has transparent upper & middle plates where plates

| Item Code  | Size/Capacity    | Pack of |
|------------|------------------|---------|
| 164.303.01 | 13 mm x 31 Tubes | 2       |
| 164.303.02 | 16 mm x 31 Tubes | 2       |
| 164.303.03 | 20 mm x 20 Tubes | 2       |
| 164.303.04 | 25 mm x 12 Tubes | 2       |
| 164.303.05 | 13 mm x 62 Tubes | 2       |
| 164.303.06 | 16 mm x 62 Tubes | 2       |
| 164.303.07 | 20 mm x 40 Tubes | 2       |
| 164.303.08 | 25 mm x 24 Tubes | 2       |
| 164.303.09 | 25 mm x 18 Tubes | 2       |
| 164.303.10 | 25 mm x 36 Tubes | 2       |
| 164.303.11 | 32 mm x 12 Tubes | 2       |



Buy Now!



## Test Tube Stand (Wire Pattern)

- Made of Polypropylene
- Economical substitute for wire racks
- Are autoclavable and stackable when empty
- Available in different colours and are made of a special blend of Polypropylene that makes it sink in a water bath and maintain their stability even in agitated water
- Easily disassembling for cleaning purpose
- base is in the form of a grid with square openings and has fold up sides and end bars that lock in to rack tops

| Item Code  | Size/Capacity     | Pack of |
|------------|-------------------|---------|
| 166.303.01 | 13 mm. x 90 Tubes | 6       |
| 166.303.02 | 16 mm. x 60 Tubes | 6       |
| 166.303.03 | 20 mm. x 40 Tubes | 6       |
| 166.303.04 | 25 mm. x 24 Tubes | 6       |
| 166.303.05 | 30 mm. x 21 Tubes | 6       |



Buy Now!



# Tubes

Manufactured from ASTM E-438, Type-1, CLASS-A, BORO 3.3 GLASS. These tubes come with uniform wall thickness for maximum heat transfer and chemical resistance



## Tube, Centrifuge, Conical Bottom Graduated

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Uniform wall Thickness
- Study Lip



Buy Now!

| Item Code  | Capacity (ml) | Height x O.D. (mm) | Pack of |
|------------|---------------|--------------------|---------|
| 088.202.01 | 5             | 100 x 13           | 100     |
| 088.202.02 | 10            | 110 x 15           | 100     |
| 088.202.03 | 15            | 113 x 17           | 100     |
| 088.202.04 | 25            | 125 x 22           | 100     |
| 088.202.05 | 50            | 125 x 29           | 50      |
| 088.402.07 | 100           | 200 x 17           | 12      |

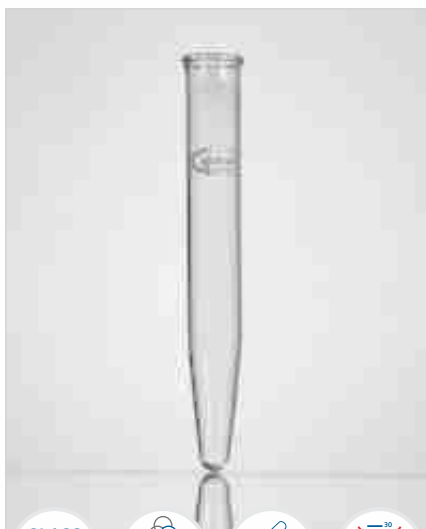
## Tube, Centrifuge, Conical Shape, Graduated *New*

- Made from Boro 7.0 Expansion



Buy Now!

| Item Code | Capacity (ml) | Height x O.D. (mm) | Pack of |
|-----------|---------------|--------------------|---------|
| 20088.402 | 10            | 100 x 16           | 100     |
| 20088.403 | 15            | 100 x 17           | 100     |



## Tube, Centrifuge, Conical Bottom

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Uniform wall Thickness
- Study Lip



Buy Now!

| Item Code  | Capacity (ml) | Height x O.D. (mm) | Pack of |
|------------|---------------|--------------------|---------|
| 089.202.02 | 5             | 100 x 13           | 100     |
| 089.202.03 | 10            | 110 x 15           | 100     |
| 089.202.05 | 15            | 120 x 17           | 100     |
| 089.202.06 | 25            | 125 x 22           | 100     |
| 089.202.07 | 50            | 125 x 29           | 50      |

## Tube, Centrifuge, Conical Shape *New*

- Made from Boro 7.0 Expansion



Buy Now!

| Item Code | Capacity (ml) | Height x O.D. (mm) | Pack of |
|-----------|---------------|--------------------|---------|
| 20089.403 | 10            | 100 x 16           | 100     |
| 20089.405 | 15            | 100 x 17           | 100     |

## Tube, Centrifuge

- Round Bottom Graduated
- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Printed in Blue colour

| Item Code  | Capacity (ml) | Height x O.D. (mm) | Pack of |
|------------|---------------|--------------------|---------|
| 094.202.01 | 12            | 16 x 110           | 100     |
| 094.202.02 | 30            | 24 x 110           | 100     |
| 094.202.03 | 40            | 28 x 110           | 50      |
| 094.202.04 | 50            | 30 x 110           | 50      |
| 094.202.05 | 100           | 45 x 110           | 50      |
| 094.202.07 | 200           | 55 x 116           | 50      |



Buy Now!



Buy Now!



*New*

| Item Code   | Capacity (ml) | Height x O.D. (mm) | Pack of |
|-------------|---------------|--------------------|---------|
| 094.202.02A | 25            | 24 x 100           | 20      |
| 097.202.07A | 50            | 34 x 100           | 20      |
| 097.202.09  | 80            | 44 x 100           | 10      |
| 097.202.16  | 250           | 56 x 147           | 10      |

## Glassco Distilling Receiver, Graduated, With Hooks

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Centrifuge tube shaped receiver with an upper standard taper joint has two glass hooks 180° apart
- Uniform wall Thickness

| Item Code  | Capacity (ml) | Socket Size | Size   | Pack of |
|------------|---------------|-------------|--------|---------|
| 088.468.03 | 15            | 14/20       | 18x140 | 1       |



Buy Now!





## Tubes, Centrifuge, Round Bottom *New*

- Made from Boro 3.3 Glass



Buy Now!

| Item Code   | Capacity (ml) | Height x O.D. (mm) | Pack of |
|-------------|---------------|--------------------|---------|
| 089.202.03A | 12            | 100 x 16           | 100     |
| 089.202.05  | 15            | 113 x 17           | 100     |

## Tube, Centrifuge, Round Bottom *New*

- Made from Boro 3.3 Glass



Buy Now!

| Item Code   | Capacity (ml) | Height x O.D. (mm) | Pack of |
|-------------|---------------|--------------------|---------|
| 082.207.05A | 35            | 100 x 29           | 40      |
| 082.207.06A | 50            | 123 x 29           | 40      |



## Tube, Centrifuge, High Speed, Round Bottom *New*

- Made from Boro 3.3 Glass
- With Screw Cap



Buy Now!

| Item Code  | Capacity (ml) | Height x O.D. (mm) | Thread | Pack of |
|------------|---------------|--------------------|--------|---------|
| 082.210.05 | 15            | 102 x 18           | 20-400 | 40      |
| 082.210.07 | 30            | 106 x 24           | 20-400 | 40      |

## Tube, Centrifuge *New*

- Round Bottom
- Made from Boro 7.0 Expansion

| Item Code  | Capacity (ml) | Height x O.D. (mm) | Pack of |
|------------|---------------|--------------------|---------|
| 20097.404A | 10            | 100 x 16           | 1000    |
| 20097.405  | 15            | 100 x 17           | 1000    |



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GLASS  
BORO  
7.0



## Tube, Centrifuge *New*

- Round Bottom
- Made from Boro 3.3 Glass

| Item Code   | Capacity (ml) | Height x O.D. (mm) | Pack of |
|-------------|---------------|--------------------|---------|
| 097.202.03  | 6             | 100 x 12           | 100     |
| 097.202.04A | 12            | 100 x 16           | 100     |



Buy Now!



GLASS  
BORO  
7.0

BLUE  
PRINTING



## Tube, Centrifuge, Graduated *New*

- Round Bottom
- Made from Boro 7.0 Expansion
- Printed in Blue colour

| Item Code  | Capacity (ml) | Height x O.D. (mm) | Pack of |
|------------|---------------|--------------------|---------|
| 20094.401  | 10            | 100 x 16           | 1000    |
| 20094.401A | 15            | 100 x 17           | 1000    |



Buy Now!

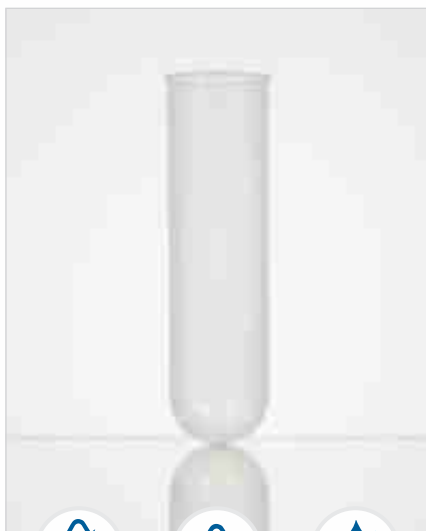


Buy Now!

## Tube, Centrifuge, Conical Bottom

- Made of Polypropylene
- Are Clear Strong & Safe
- Are autoclavable and both printed graduation
- Leakproof
- Can withstand forces upto 7500 x G 15ml & 1200 x G for 50 ml

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 135.303.01 | 15            | 100     |
| 135.303.02 | 50            | 100     |
| 135.303.03 | 15 Sterile    | 100     |
| 135.303.04 | 50 Sterile    | 100     |



Buy Now!

## Tube, Centrifuge, Round Bottom

- Made of Polypropylene & Polycarbonate
- Are strong enough to be used upto 50,000xG
- Autoclavable

| Item Code  | Capacity (ml)   | Pack of |
|------------|-----------------|---------|
| 136.303.01 | 16 ml. Tube PP. | 50      |
| 136.303.02 | 50 ml. Tube PP. | 50      |
| 136.303.03 | 16 ml. Tube PC. | 50      |
| 136.303.04 | 50 ml. Tube PC. | 50      |

## OAK Ridge Centrifuge Tubes

- Made of Polypropylene
- Can be used upto 50,000xG
- Screw cap is fitted with silicone O-ring making it totally leakproof
- Should not be used below 4°C

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 137.303.01 | 30            | 12      |
| 137.303.02 | 50            | 12      |
| 137.303.03 | 100           | 12      |



Buy Now!



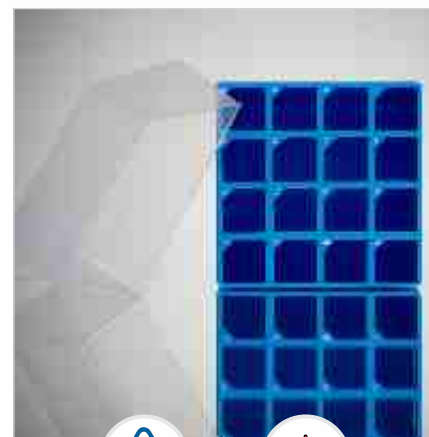
## Centrifuge Tubes Box

- Made of Polypropylene
- These boxes provide substitute for conventional cardboard or foam rack
- These boxes are autoclavable & can withstand Temperature ranging from -90°C to +120°C

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 165.305.03 | 30            | 4       |
| 165.305.05 | 50            | 4       |



Buy Now!







Buy Now!

## Tube, Micro Centrifuge

- Made of Polypropylene
- Built in plugs make these tubes leakproof
- Used for transmitting sample for micro analysis

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 130.303.01 | 0.5           | 1000    |
| 130.303.02 | 1.5           | 1000    |



Buy Now!

## Rack For Micro Centrifuge Tube

- Made of Polycarbonate
- Autoclavable
- Made for holding twenty four 1.5 ml. micro centrifuge tubes
- Unique stacking feature prevents movement in any direction
- Holes are numbered & lettered for easy identification

| Item Code  | Quantity  | Pack of |
|------------|-----------|---------|
| 165.303.03 | 100 Tubes | 2       |

## Float Rack

- Made of Polypropylene
- Autoclavable and can hold 16 micro centrifuge tubes for incubation in water baths
- Easy to load
- Essential in microbiology & immunology labs.
- Sur face of the rack has raised alpha - numeric index for easy identification and has a ventral rod handle for convenient lif ting.

| Item Code  | Capacity (ml)       | Pack of | Price /Piece |
|------------|---------------------|---------|--------------|
| 131.303.01 | 16 MCT'S of 1.5 ml. | 12      |              |



Buy Now!



## MCT Box

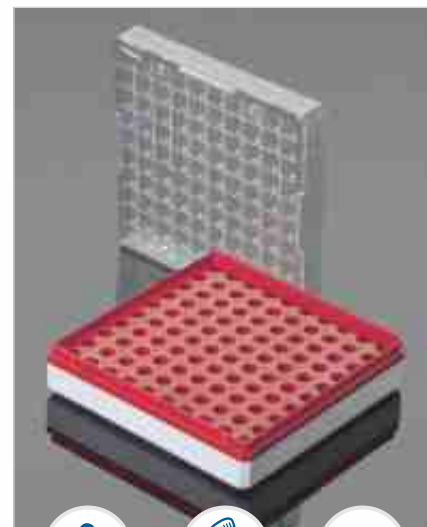
Are moulded in polycarbonate and are therefore strong as well as autoclavable. One size can hold 64 MCT'S of 1.5 ml. & and the other can hold 100 MCT's of 0.5 ml.. These boxes are designed to work at temperatures ranging from -190°C to +121°C. The transparent cover provides a good view of the contents inside & is numbered for bet ter inventory control.

Material : Polycarbonate

| Item Code  | Capacity                     | Pack of | Price /Piece |
|------------|------------------------------|---------|--------------|
| 134.303.01 | Rack for 100 MCT's of 0.5 ml | 4       |              |
| 134.303.02 | Rack for 64 MCT's of 1.5 ml  | 4       |              |



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## 29 GU Organic Chemistry Set

- This set is ideal for introducing student to the principal techniques of preparative organic chemistry.
- Although the set is very simple a surprising number of preparations on the 30 g scale can be carried out.

| Item Code  | Description                                   |
|------------|---|
| 202.202.01 | Complete set comprising 5 items of Glassware. |

| Item No | Components             | 29 BU/M |
|---------|------------------------|---------|
| 1       | Pear shaped flask 50ml | 1       |
| 2       | Still head             | 1       |
| 3       | Liebig condenser       | 1       |
| 4       | Screw cap adapter      | 1       |
| 5       | Receiver adapter       | 1       |

## 27 GU Organic Chemistry Set

- A highly popular set in schools, colleges and universities.
- It has been purposely designed to cover the essential requirements for the teaching of organic chemistry and is suitable for preparations up to 30g.
- This is a set which is difficult to beat for versatility.



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| Item Code  | Description                                   |
|------------|---|
| 203.202.01 | Complete set comprising 9 items of Glassware. |

| Item No | Components   | 27 BU/M |
|---------|--|---------|
| 1       | Pear shaped flask 50ml                                 | 1       |
| 2       | Still head   | 1       |
| 3       | Liebig condenser                                       | 1       |
| 4       | Screw cap adapter                                      | 1       |
| 5       | Receiver adapter                                       | 1       |
| 6       | Air leak/steam inlet tube                              | 1       |
| 7       | Dropping funnel, 50 ml with PTFE Needle Valve Stopcock | 1       |
| 8       | Stopper  | 1       |
| 9       | Thermometer  | 1       |

**34 GU Organic Chemistry Set**

- For student use in preparation organic chemistry up to the 150 g scale, this includes all the necessary equipment to allow a wide range of preparation to be carried out
- IT is also invaluable for industrial laboratories where the amount of preparative work is not great and may occur at infrequent intervals
- For such applications, this set has the advantage of covering an extensive field of work and occupying little space when not in use

| Item Code  | Description                                    |
|------------|--|
| 207.202.01 | Complete set comprising 16 items of Glassware. |



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| Item No | Components                | Socket size | Cone size |
|---------|---------------------------|-------------|-----------|
| 1       | Still head                | 14/23       | 19/26     |
| 2       | Receiver                  | 19/26       | 24/29     |
| 3       | Air leak/steam inlet tube | -           | 19/26     |
| 4       | Liebig condenser          | 19/26       | 19/26     |
| 5       | Dropping funnel, 100 ml   | 19/26       | 19/26     |
| 6       | Reducing adapter          | 19/26       | 24/29     |
| 7       | Multiple adapter          | 19/26       | 24/29     |
| 8       | Flask, R.B., 50 ml        | 24/29       | -         |
| 9       | Flask, Erlenmeyer, 250 ml | 24/29       | -         |
| 10      | Flask, R.B., 250 ml       | 24/29       | -         |
| 11      | Stopper                   | -           | 19/26     |
| 12      | Stopper                   | -           | 19/26     |
| 13      | Thermometer Pocket        | -           | 14/23     |
| 14      | Receiver adapter          | 19/26       | -         |
| 15      | Flask, R.B., 100ml        | 24/29       | -         |
| 16      | Stopper                   | -           | 24/29     |

**Kit Organic Chemistry, 19/22**

For use in college organic laboratory teaching course.

| Item Code  | Socket | Pcs/Pack |
|------------|--------|----------|
| 207.470.01 | 19/22  | 1        |

**Kit Organic Chemistry, 14/20**

For use in college organic laboratory teaching course.

| Item Code  | Socket | Pcs/Pack |
|------------|--------|----------|
| 207.470.02 | 14/20  | 1        |





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### Storage Vial

- Made of Polyethylene
- Used for storage of biological material, human & animal cells at temp. as low as -190°C
- Cap is provided with a built in seal ring making the vial leakproof
- Base of the vial has longitudinal grooves which give it a non-twisting character when placed in a vial rack

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 144.303.01 | 2.0           | 500     |
| 144.303.02 | 5.0           | 500     |



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### Test Tube with Screw Cap

- Made from polypropylene
- Tubes provide excellent option for RIA, Coagulation & Bacteriology etc
- Available with screw cap

| Item Code  | Capacity (ml)        | Pack of |
|------------|----------------------|---------|
| 142.303.02 | 16x100mm Ext. Thread | 500     |



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### Sv5 Vial

- Made of Polypropylene
- Have polypropylene cap with built in seal ring making it a leak proof vial
- Used for the storage of biological material, animal & human cells etc

| Item Code  | Capacity (ml) | Pack of |
|------------|---------------|---------|
| 147.303.02 | SV - 5 ml     | 500     |

## Caps for 9mm - 2ml Screw Neck Vials *New*

Screw / PTFE

| Product Code | Colour | Cap MOC | Septa MOC | Septa Amount | Septa Mount/ Feature | Vial Pack | Vial Case Qty |
|--------------|--------|---------|-----------|--------------|----------------------|-----------|---------------|
| 086.205.02   | Blue   | PP      | Silicone  | Bonded       | -                    | 100       | 10x100        |
| 086.206.02   | Blue   | PP      | Silicone  | Bonded       | Pre-Slit             | 100       | 10x100        |



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## 9mm - Screw Neck Vials *New*

| Product Code | Volume ml | Vial Colour | Write on Patch | Vial Dia mm | Vial Height | Vial Pack | Vial Case Qty |
|--------------|-----------|-------------|----------------|-------------|-------------|-----------|---------------|
| 086.202.02   | 2         | Clear       | Yes            | 12          | 32          | 100       | 10x100        |



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## TOC Vials, Clear Glass *New*

- Borosilicate Glass Exp. 5.1
- With Bonded Cap & Silicone Septa having flip cover
- Tolerance : O.D. 27.50 +/- 0.20mm
- Wall Thickness 1.20mm +/- 0.05mm

| Product Code | Capacity ml | O.D. x Height | Glass | Septa                      | Vial Pack of |
|--------------|-------------|---------------|-------|----------------------------|--------------|
| 083.205.02   | 20          | 28x57         | Clear | Bonded                     | 1x72         |
| 083.205.04   | 40          | 28x95         | Clear | Bonded cap with flip cover | 1x72         |
| 083.206.02   | 20          | 28x57         | Amber | Bonded                     | 1x72         |
| 083.206.04   | 40          | 28x95         | Amber | Bonded cap with flip cover | 1x72         |



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Buy Now!

### Rack for Scintillation Vial

Made from Polypropylene, are autoclavable & corrosion resistant. There is an individual rack for both 8 ml. & 20 ml. vials. These rugged & stable racks can hold scintillation vials for convenient storage, handling & sample preparations.

| Item Code  | Type                       | Pack of |
|------------|----------------------------|---------|
| 149.303.01 | Rack for 90 vials of 8 ml  | 2       |
| 149.303.02 | Rack for 50 vials of 20 ml | 2       |



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### Cryo Rack

- Made from Polycarbonate making it tough, durable & autoclavable
- Can hold 50 vials at a time
- This rack is provided with four anti skid rubbers & each well is identified with an alpha-numeric index

| Item Code  | Type                                       | Pack of |
|------------|--|---------|
| 153.303.01 | 50 places for 1, 1.8 and 4.5 ml Cryo vials | 2       |

## MCT Twin Rack

- Made from Polypropylene
- Twin Purpose Rack for both 0.5 ml & 1.5 ml. micro centrifuge tubes
- Each side has 108 holes for 0.5 & 1.5 ml. MCT'S, respectively
- Transparent top provides an excellent view as well as a protection cover for the tubes stored
- Each face of the base has a unique alpha-numeric index for easy identification of the tube

| Item Code  | Capacity (ml)                   | Pack of |
|------------|---------------------------------|---------|
| 133.303.01 | Rack for 96 PCR Tubes of 0.2 ml | 4 pc    |



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## Cryo Box (Cardboard)

- Made from Polypropylene
- Used for storage and preservation of frozen samples
- These can withstand ultra low temperature in deep freezers and has removable top lid
- These can be used for upright freezers, drawers & chest freezers with dividers and are laminated.
- Material Polypropylene & Cardboard

| Item Code  | Capacity (ml)<br>Micro tubes & cryovials | Dim<br>(LxWxH) | Material  | Pack of |
|------------|--|----------------|-----------|---------|
| 155.303.01 | 81 places for 1ml & 1.8ml                | 132x132x50     | PP        | 8       |
| 155.303.02 | 100 places for 1ml & 1.8ml               | 132x132x50     | PP        | 8       |
| 155.303.03 | 81 places for 1.5ml & 2ml                | 132x132x50     | Cardboard | 8       |
| 155.303.04 | 100 places for 1.5ml & 2ml               | 132x132x50     | Cardboard | 8       |



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# Water Distillation

**Water Stills are carefully designed to produce high purity pyrogen free distilled water.**

Unit consist of :

- Horizontal type boiler borosilicate glass
- Condenser
- Constant level device
- Silica sheathed (Quartz) heater
- With stand and clamp etc

**Key Features :**

- Borosilicate condenser and boiler are fitted with a removable silica sheathe (Quartz) heater.
- Distillate temperature is around 65 to 75°C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- The unit automatically switches off if water level in the boiler falls below heater.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Drain nozzle/Teflon stop cork is provided for easy cleaning and maintenance.
- The model is equipped with in-built temperature switch to protect the Glass parts in case of water failure or overheating.



**Single stage, water distillation, all glass, horizontal model with inbuilt safety cutoff**

| Cat No.  | Output Capacity Ltr / Hr | Pack Size |
|----------|--------------------------|-----------|
| GLWS15SG | 1.5                      | 1         |
| GLWS25SG | 2.5                      | 1         |
| GLWS40SG | 4                        | 1         |



Buy Now!

**Spares for above Distillation unit**

| Cat No.       | Output Capacity Ltr / Hr | Description                     | Pack Size |
|---------------|--------------------------|---------------------------------|-----------|
| GLWS-SH-15BCS | 1.5                      | Boiling Chamber with Leveller   | 1         |
| GLWS-SH-25BCS | 2.5                      | Boiling Chamber with Leveller   | 1         |
| GLWS-SH-40BCS | 4                        | Boiling Chamber with Leveller   | 1         |
| GLWS-SH-15BCC | 1.5                      | Coil Condenser                  | 1         |
| GLWS-SH-25BCC | 2.5                      | Coil Condenser                  | 1         |
| GLWS-SH-40BCC | 4                        | Coil Condenser                  | 1         |
| GLSI-SH-HS15  | 1.5                      | Silica Sheathed (Quartz) Heater | 1         |
| GLSI-SH-HS25  | 2.5                      | Silica Sheathed (Quartz) Heater | 1         |
| GLSI-SH-HS40  | 4                        | Silica Sheathed (Quartz) Heater | 1         |

## Double Stage Water Distillation all Glass Horizontal Model with inbuilt **safety cutoff**



| Cat No.  | Output Capacity Ltr / Hr | Pack Size |
|----------|--------------------------|-----------|
| GLWS15DG | 1.5                      | 1         |
| GLWS25DG | 2.5                      | 1         |
| GLWS40DG | 4                        | 1         |



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### Spares for above Distillation unit

| Cat No.       | Output Capacity Ltr / Hr | Description                     | Pack Size |
|---------------|--------------------------|---------------------------------|-----------|
| GLWS-SH-15BCS | 1.5                      | Boiling Chamber with Leveller   | 1         |
| GLWS-SH-25BCS | 2.5                      | Boiling Chamber with Leveller   | 1         |
| GLWS-SH-40BCS | 4                        | Boiling Chamber with Leveller   | 1         |
| GLWS-SH-15BCC | 1.5                      | Coil Condenser                  | 1         |
| GLWS-SH-25BCC | 2.5                      | Coil Condenser                  | 1         |
| GLWS-SH-40BCC | 4                        | Coil Condenser                  | 1         |
| GLSI-SH-HS15  | 1.5                      | Silica Sheathed (Quartz) Heater | 1         |
| GLSI-SH-HS25  | 2.5                      | Silica Sheathed (Quartz) Heater | 1         |
| GLSI-SH-HS40  | 4                        | Silica Sheathed (Quartz) Heater | 1         |

# Water Distillation

## Single Stage, Water Distillation, Quartz Boiler/Borosilicate Condenser, Vertical Model **without safety cutoff**

### Unit consist of :

- High purity quartz with inbuilt heater
- Bot tom discharge joint for easy cleaning
- Spiral condenser is fit ted on the boiler with receiving adapter
- Optional safety control unit provided

|                                |   |
|--------------------------------|---|
| <b>Conductivity</b>            | 1. 0-1.5 uS/cm with Borosilicate Condenser<br>0.5-0.8 uS/cm with Quartz Condenser |
| <b>Distilled Water Quality</b> | Pyrogen Free  |
| <b>Distillate Temperature</b>  | 50-60°C   |

\* All Parameters are under standard test conditions

### Advantages :

- Quartz can withstand very high temperature variation, thus it is thermal shock proof.
- Rust pro of sturdy stand as base.

### Key Features:

- Distillate is pyrogen free; also it is free of heavy metals.
- Low maintenance is required.
- Provides instant distilled water in less than one minute



| Cat No.   | Output Capacity Ltr / Hr | Pack Size |
|-----------|--------------------------|-----------|
| GLSD25BB  | 2.5                      | 1         |
| GLSD50BB  | 5                        | 1         |
| GLSD80BB  | 8                        | 1         |
| GLSD100BB | 10                       | 1         |



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### Spares for above Distillation unit

| Cat No.      | Output Capacity Ltr / Hr | Description                 | Pack Size |
|--------------|--------------------------|-----------------------------|-----------|
| GLSD-25-QBS  | 2.5                      | Quartz boiling chamber      | 1         |
| GLSD-50-QBS  | 5                        | Quartz boiling chamber      | 1         |
| GLSD-80-QBS  | 8                        | Quartz boiling chamber      | 1         |
| GLSD-100-QBS | 10                       | Quartz boiling chamber      | 1         |
| GLSD-25-BCC  | 2.5                      | Borosilicate Coil Condenser | 1         |
| GLSD-50-BCC  | 5                        | Borosilicate Coil Condenser | 1         |
| GLSD-80-BCC  | 8                        | Borosilicate Coil Condenser | 1         |
| GLSD-100-BCC | 10                       | Borosilicate Coil Condenser | 1         |

### Accessories for above Distillation unit

| Cat No.    | Output Capacity Ltr / Hr | Pack Size             |
|------------|--------------------------|-----------------------|
| GLSI-SCU-1 | 2.5 & 5                  | Safety Cut-off Device |
| GLSI-SCU-2 | 8 & 10                   | Safety Cut-off Device |

**Single Stage, Water Distillation, Quartz boiler & Quartz condenser, vertical model **without safety cutoff****



| Cat No.  | Output Capacity Ltr / Hr | Pack Size |
|----------|--------------------------|-----------|
| GLSD25AQ | 2.5                      | 1         |
| GLSD50AQ | 5                        | 1         |
| GLSD80AQ | 8                        | 1         |



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### Spares for above models :

| Cat No.     | Output Capacity Ltr / Hr | Description           | Pack Size |
|-------------|--------------------------|-----------------------|-----------|
| GLSD-25-QBS | 2.5                      | Quartz Boiler         | 1         |
| GLSD-50-QBS | 5                        | Quartz Boiler         | 1         |
| GLSD-80-QBS | 8                        | Quartz Boiler         | 1         |
| GLSD-25-QCC | 2.5                      | Quartz Coil Condenser | 1         |
| GLSD-50-QCC | 5                        | Quartz Coil Condenser | 1         |
| GLSD-80-QCC | 8                        | Quartz Coil Condenser | 1         |

### Accessories for above Distillation unit

| Cat No.    | Output Capacity Ltr / Hr | Pack Size             |
|------------|--------------------------|-----------------------|
| GLSI-SCU-1 | 2.5 & 5                  | Safety Cut-off Device |
| GLSI-SCU-2 | 8 & 10                   | Safety Cut-off Device |

# Water Distillation

## All Quartz, Double Stage, Water Distillation Unit, Vertical Model, including Safety cutoff

Unit has been designed keeping in view customer requirements and easy serviceability of the equipment.

### Unit consists of :

- Lower boiler with inbuilt heater enclosed in a quartz boiler with a cup on top.
- Demountable upper boiler with built in quartz coil and condensing unit mounted on the boiler with the help of ball and socket joint
- Double walled condenser ensures separate condensation of vapours coming from the two boilers using a single cooling circuit
- Unit mounted on a specially designed metal stand and is also provided with automatic safety Control Unit.



### Double Distillate Quality

| Parameters                               | Values       |
|--|--------------|
| Specific Conductivity                    | 0.1 us/cm    |
| Biological Activity (distillate quality) | Pyrogen Free |
| Organic Matter                           | Nil          |
| Total Solids                             | 0.1 mg/ltr   |

\* We recommend a Quartz Reservoir For storage of High purity water.

\* All Parameters are under standard test conditions

| Cat No.  | Output Capacity Ltr / Hr | Pack Size |
|----------|--------------------------|-----------|
| GLDD15AQ | 1.5                      | 1         |
| GLDD25AQ | 2.5                      | 1         |
| GLDD40AQ | 4                        | 1         |
| GLDD50AQ | 5                        | 1         |



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### Spares for above models :

| Cat No.       | Output Capacity Ltr / Hr | Description             | Pack Size |
|---------------|--------------------------|-------------------------|-----------|
| GLDD-15AQ-PB  | 1.5                      | Quartz Primary Boiler   | 1         |
| GLDD-25AQ-PB  | 2.5                      | Quartz Primary Boiler   | 1         |
| GLDD-40AQ-PB  | 4                        | Quartz Primary Boiler   | 1         |
| GLDD-50AQ-PB  | 5                        | Quartz Primary Boiler   | 1         |
| GLDD-15AQ-SC  | 1.5                      | Quartz Secondary Boiler | 1         |
| GLDD-25AQ-SC  | 2.5                      | Quartz Secondary Boiler | 1         |
| GLDD-40AQ-SC  | 4                        | Quartz Secondary Boiler | 1         |
| GLDD-50AQ-SC  | 5                        | Quartz Secondary Boiler | 1         |
| GLSI-SCU-15AQ | 1.5                      | Safety Cut-off Device   | 1         |
| GLSI-SCU-25AQ | 2.5                      | Safety Cut-off Device   | 1         |
| GLSI-SCU-40AQ | 4                        | Safety Cut-off Device   | 1         |
| GLSI-SCU-50AQ | 5                        | Safety Cut-off Device   | 1         |

## Advantages of Demountable Model :

- Easy cleaning of the first boiler since it can be dismantled from the assembly
- Ease of interchangeability as it is provided with ball & Socket joint
- Boiler and condenser have larger boiling space resulting in balanced boiling and improved quality of distillate Compact and easy to install
- Dual safety Power Cut-off System included in distillation unit price
- New Design of Safety Cut-off System with Dual Safety & Microprocessor Control
- New dual - safety cut off provides accurate values
- Microprocessor Controlled
- LCD Display
- Audible alarm for unsupervised operation

**NOTE :** \*\*\*pH electrodes will NOT give accurate pH values in distilled or de-ionized water. This is because distilled and de-ionized water do not have enough ions present for the electrode to function properly. The readings will drift and be essentially meaningless. In practice, however, most distilled water will have a pH that is slightly acidic (less than 7.0) due to the presence of carbon dioxide (CO<sub>2</sub>) that is absorbed from the atmosphere. Dissolved carbon dioxide reacts slowly with water to give the bicarbonate and hydronium ions.

## AUTOMATIC WATER DISTILLATION UNIT (CABINET STILL)



### Key Features :

- Fully automatic water distillation equipment
- Can be used in research laboratories, hospitals etc
- Made from 3.3 exp borosilicate glass.
- Provides accurate values
- Microprocessor controlled
- LCD display
- Audible alarm for unsupervised operation
- Replaceable silica sheathed (Quartz) heater: fitted on horizontal jacket
- Distillate temperature is around 25 to 45°C ensured by an efficient condenser.
- Metal stand is painted for rust free operation and lustrous appearance.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Fuse is provided for safety in case of voltage fluctuation or short circuit.
- Boiler is provided with Teflon screw cork for easy draining and cleaning of boiling chamber.
- The front cover is easily removable making the access to the glass parts very easy.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.

# Water Distillation

## Additional In-built Safety Features:

- Gate Valve: Conserves cooling water wastage in case of power failure.
- Flow Switch: Additional in-built safety feature for the equipment unit shut off in case of cooling water failure.
- Temperature switch: The boiler is equipped with a safety temperature switch which shuts off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages.
- Level Sensor: It shuts off the distillation equipment if the water level in the boiler falls below the heater.
- Reservoir Level Sensor: this helps in automatic working of the water distillation equipment. Depending on the water level in the reservoir it will automatically switch On/Off the equipment, thus saving energy. (Reservoir can also be provided with a storage capacity of 5 ltr, 10 ltr & 20 ltr made of Borosilicate Glass or polypropylene)

## Single stage, automatic water distillation unit, cabinet still

| Cat No. | Output Capacity Ltr / Hr | Stage  | Pack Size |
|---------|--------------------------|--------|-----------|
| GLCM20S | 2                        | Single | 1         |
| GLCM40S | 4                        | Single | 1         |
| GLCM20D | 2                        | Double | 1         |
| GLCM40D | 4                        | Double | 1         |



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## Spares for above Distillation unit

| Cat No.    | Output Capacity Ltr / Hr | Description  | Pack Size |
|------------|--------------------------|--|-----------|
| GLCM-20BCS | 2                        | Boiling Chamber with Leveller for GLCM-20S &GLCM-20D | 1         |
| GLCM-40BCS | 4                        | Boiling Chamber with Leveller for GLCM-40S &GLCM-40D | 1         |
| GLCM-20BCC | 2                        | Coil Condenser for GLCM-20S & GLCM-20D               | 1         |
| GLCM-40BCC | 4                        | Coil Condenser for GLCM-40S & GLCM-40D               | 1         |

## Accessories for above Distillation unit

| Cat No.    | Output Capacity Ltr / Hr | Description   | Pack Size |
|------------|--------------------------|---|-----------|
| GLSI-SH-HS | 2                        | Silica Sheathed (Quartz) Heater for GLCM-20S, GLCM-40S, GLCM-20D & GLCM-40D | 1         |

## WATER SOFTENER



### Prominent feature :

- Softens the hard water and provides good quality water for use in laboratories.
- Remove all the calcium and magnesium ions in hard water and the soft water thus obtained liquid has hardness less than 5 ppm as  $\text{CaCO}_3$ .
- Specially designed for easy serviceability and recharging the resin with sodium chloride solution.
- Softened water can be used as feed water to the Distillation Units.
- Use of hard water in boilers, would leave the boiler with a lot of scaling and sedimentation, hence to improve the quality of the distillate and for longer life of the glass/quartz boilers, it is recommended to use softened water.



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| Cat No.  | Description    | Pack Size |
|----------|----------------|-----------|
| GI000200 | Water Softener | 1         |



# Technical Data : Metalware

## PHYSICAL PROPERTIES

| Resin | Max use Temp °C | Bittleness Temp °C | Transparency | Sterilization |     |          |            |               |                  | Flexi-bility | Water Absor-ption % |
|-------|-----------------|--------------------|--------------|---------------|-----|----------|------------|---------------|------------------|--------------|---------------------|
|       |                 |                    |              | Auto-claving  | Gas | Dry Heat | Radi-ation | Disin-fection | Specific Gravity |              |                     |
| HDPE  | 120             | -100               | Translucent  | No            | Yes | No       | Yes        | Yes           | 0.95             | Rigid        | 20.01               |
| LDPE  | 80              | -100               | Translucent  | No            | Yes | No       | Yes        | Yes           | 0.92             | Excel        | <0.01               |
| PC    | 135             | -135               | Clear        | Yes+          | Yes | No       | No         | Yes           | 1.20             | Rigid        | 0.35                |
| PP    | 135             | 0                  | Translucent  | Yes           | Yes | No       | No         | Yes           | 0.90             | Rigid        | <0.02               |
| PS    | 90              | 20                 | Clear        | No            | Yes | No       | Yes        | Some          | 1.05             | Rigid        | 0.05                |

## Sterilization

- Autoclaving (121°C, 15 psig for 20 minutes) Clean and rinse item with distilled water before autoclaving. Certain chemicals which have no appreciable effect on resins at room temperature may cause deterioration at autoclaving temperatures.
- ALWAYS COMPLETELY DISENGAGE THREADS BEFORE AUTOCLAVING.
- Gas - Ethylene oxide formaldehyde.
- Dry heat - 160°C for 120 minutes.
- Disinfectant - Benzalkonium chloride, formalin, ethanol etc.
- Radiation - gamma irradiated at 2.5 Mard with unstablized plastic. Sterilizing reduces mechanical strength. Do not use PC vessels for vaccum application if they have been Autoclaved.

## CHEMICAL RESISTANCE

| CLASSES OF SUBSTANCES AT ROOM TEMPERATURE | HDPE | LDPE | PC | PP | PS |
|---|------|------|----|----|----|
| ACIDS, DILUTE OR WEAK                     | ●    | ●    | ●  | ●  | ●  |
| ACIDS, STRONG AND CONCENTRATED            | ●    | ●    | ●  | ●  | ●  |
| ALCOHOLS, ALIPHATIC                       | ●    | ●    | ●  | ●  | ●  |
| ALDEHYDES                                 | ●    | ●    | ●  | ●  | ●  |
| BASES                                     | ●    | ●    | ●  | ●  | ●  |
| ESTERS                                    | ●    | ●    | ●  | ●  | ●  |
| HYDROCARBONS, ALIPHATIC                   | ●    | ●    | ●  | ●  | ●  |
| HYDROCARBONS, AROMATIC                    | ●    | ●    | ●  | ●  | ●  |
| HYDROCARBONS, HALOGENATED                 | ●    | ●    | ●  | ●  | ●  |
| KETONES                                   | ●    | ●    | ●  | ●  | ●  |
| OXIDIZING AGENTS, STRONG                  | ●    | ●    | ●  | ●  | ●  |

- 30 days of constant exposure cause no damage. Plastic may even tolerate for years.
- Little or no damage after 30 days of constant exposure to the reagents.
- Some effect after 7 days of constant exposure to the reagent like crazing, cracking, loses of strength or discolouration.
- Not recommended for continuous use. Immediate damage may occur.

## ABBREVIATIONS

|      |       |                           |
|------|-------|---------------------------|
| PP   | ----- | Polypropylene             |
| PC   | ----- | Polycarbonate             |
| HDPE | ----- | High Density Polyethylene |
| LDPE | ----- | Low Density Polyethylene  |

|      |       |                                  |
|------|-------|----------------------------------|
| PS   | ----- | Polystyrene                      |
| ABS  | ----- | Acrylo Nitrile Butadiene Styrene |
| PTFE | ----- | Poly Tetra Flouro Ethylene       |
| PMMA | ----- | Poly Methyl Methacrylate         |
| TPX  | ----- | Poly Methyl Pentene              |

# Technical Data : Metalware

## MILD STEEL

Each of these standard samples has been analyzed by Chemists in United Kingdom and other countries representing the following interests associated with the Iron and Steel Industries.

The standards have been prepared under rigorous laboratory conditions, and are issued by the organizers under the auspices of the above body of co-workers.

| Description             | Special Features   | ANALYSIS   |         |         |            |           |                                |                  |                  |        |                    |                 |
|-------------------------|--|------------|---------|---------|------------|-----------|--------------------------------|------------------|------------------|--------|--------------------|-----------------|
|                         |  | Combined C | Silicon | Sulphur | Phosphorus | Manganese | Arsenic                        | Nickle           | Chromium         | Copper | Oxygen             | Iron            |
| Ordinary Carbon Steels* | Complete Analysis and pure iron std.                       | %          | %       | %       | %          | %         | %                              | %                | %                | %      | %                  | %               |
| "A" <sup>2a</sup>       | for K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> v.s. ... | 0.037      | 0.034   | 0.020   | 0.008      | 0.043     | 0.031                          | 0.059            | 0.013            | 0.067  | 0.04               | 99.64           |
| "C"                     | C Standard only  | 0.091      | -----   | 0.02a   | 0.02a      | 0.50a     | -----                          | -----            | -----            | -----  | -----              | -----           |
| "E"                     | C and Mn Standard  | 0.114      | -----   | 0.02a   | 0.02a      | 0.492     | -----                          | -----            | -----            | -----  | -----              | -----           |
| "N" <sup>1</sup>        | Complete Analysis ...                                      | 0.153      | 0.176   | 0.050   | 0.036      | 0.527     | 0.03                           | 0.26             | -----            | 0.04   | -----              | -----           |
| "P"                     | High S and P Standard                                      | 0.205      | 0.06a   | 0.073   | 0.105      | 0.706     | 0.03a                          | -----            | -----            | -----  | -----              | -----           |
| "M"                     | C and Si standard ...                                      | 0.228      | 0.057   | 0.05a   | 0.03a      | 0.6a      | 0.03a                          | -----            | -----            | -----  | -----              | -----           |
| "O" <sup>1</sup>        | Complete Analysis ...                                      | 0.333      | 0.162   | 0.032   | 0.031      | 0.617     | 0.024                          | 0.162            | 0.017a           | 0.037a | -----              | -----           |
| "H"                     | C, S and P Standard  | 0.428      | 0.15a   | 0.047   | 0.035      | 0.76a     | -----                          | -----            | -----            | -----  | -----              | -----           |
| "I"                     | C and Mn Standard  | 0.521      | 0.15a   | 0.04a   | 0.02a      | 0.726     | -----                          | -----            | -----            | -----  | -----              | -----           |
| "R"                     | C, S and Mn Standard                                       | 0.786      | 0.22a   | 0.053   | 0.06a      | 0.914     | 0.03a                          | -----            | -----            | 0.02a  | -----              | -----           |
| "S" <sup>1</sup>        | C and P Standard   | 0.921      | 0.07a   | 0.04a   | 0.051      | 0.6a      | -----                          | -----            | -----            | -----  | -----              | -----           |
| "U"                     | C, Mn and Ni Standard                                      | 1.203      | 0.17a   | 0.04a   | 0.05a      | 0.472     | -----                          | 0.608            | trace            | 0.05a  | -----              | -----           |
| Nickel Steels           |  |            |         |         |            |           |                                |                  |                  |        |                    |                 |
| "T"                     | Ni Standard only ...                                       | 0.3a       | -----   | -----   | -----      | -----     | -----                          | 3.367            | -----            | -----  | -----              | -----           |
| "O"                     | Ni, C and Mn Standard                                      | 0.325      | -----   | -----   | -----      | 0.590     | -----                          | 3.985            | -----            | -----  | -----              | -----           |
| Alloy Steels            |  |            |         |         |            |           |                                |                  |                  |        |                    |                 |
| "V"                     | Cr-V Steel, Complete Analysis ...                          | 0.548      | 0.161   | 0.063   | 0.024      | 0.542     | 0.016a                         | -----            | 0.861            | 0.273  | -----              | -----           |
| "W"                     | Cr-V-W-Co Steel, Complete Analysis                         | 0.695      | 0.187   | 0.075   | 0.028      | 0.101     | -----                          | 0.44             | 3.01             | 0.791  | 4.67               | 16.21           |
| Cast Iron               |  |            |         |         |            |           |                                |                  |                  |        |                    |                 |
| Hematite "A"            | Complete Analysis  | 0.734      | 1.989   | 0.047   | 0.049      | 0.688     | 0.042                          | -----            | 0.052            | 3.121  | 2.387              | -----           |
| Hematite "B"            | Low Phosphorus - Titaniferous ...                          | b.039      | 2.2a    | 0.031   | 0.026      | 0.6a      | 0.031                          | -----            | 0.108            | 3.06b  | 2.67b              | -----           |
| Basic "D"               | P Standard only ...  | 3.0a       | -----   | -----   | 1.19       | 0.8a      | -----                          | -----            | -----            | 3.0a   | -----              | -----           |
| Slag                    |  |            |         |         |            |           |                                |                  |                  |        |                    |                 |
| Basic Slag "A"à         | P <sub>2</sub> O <sub>5</sub> and part Complete Analysis   | -----      | -----   | -----   | 12.92      | 16.15     | 44.73                          | 6.85             | 8.93             | 2.53   | 3.91a              | 0.45a           |
| Ore                     |  | Fe         | P       | CaO     | MgO        | Alk's     | Al <sub>2</sub> O <sub>3</sub> | TiO <sub>2</sub> | SiO <sub>2</sub> | S      | CdH <sub>2</sub> O | CO <sub>2</sub> |
| Iron Ore "A" à          | Complete Analysis ...                                      | 58.20      | 0.056   | 2.05    | 1.22       | 0.33      | 1.83                           | 0.116            | 8.13             | 0.063  | 1.56               | 1.41            |
| Mang. Ore "A"           | Mn, O, SiO <sub>2</sub> , P, Fe ...                        | 1.3        | 0.222   | 51.3    | 14.3       | -----     | -----                          | -----            | 6.49             | -----  | -----              | -----           |
| Non-Ferrous             |  | Pb.        | Sb.     | Sn.     | Cu.        | Fe.       | Bi.                            | As.              | Zn.              |        |                    |                 |
| White Met. "A"          | Complete Analysis ...                                      | 82.6       | 12.04   | 4.64    | 0.33       | 0.06      | 0.03                           | 0.06             | 0.08             | -----  | -----              | -----           |

(a) Approx — not a standardized figure, (b) Standardized at Organizing Headquarters only.

\* In the preparation of the ordinary carbon steels special attention has been given to making them suitable as standard for the determination of carbon by colour.

## STAINLESS STEEL

Grade 316 is the standard molybdenum-bearing grade, second in importance to 304 amongst the austenitic stainless steels. The molybdenum gives 316 better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments. It has excellent forming and welding characteristics. It is readily brake or roll formed into a variety of parts for applications in the industrial, architectural, and transportation fields. Grade 316 also has outstanding welding characteristics. Post-weld annealing is not required when welding thin sections.

Grade 316L, the low carbon version of 316 and is immune from sensitisation (grain boundary carbide precipitation). Thus it is extensively used in heavy gauge welded components (over about 6mm). Grade 316H, with its higher carbon content has application at elevated temperatures, as does stabilised grade 316Ti.

The austenitic structure also gives these grades excellent toughness, even down to cryogenic temperatures.

Key Properties

These properties are specified for flat rolled product (plate, sheet and coil) in ASTM A240/A240M. Similar but not necessarily identical properties are specified for other products such as pipe and bar in their respective specifications.

Table 1. Composition ranges for 316 grade of stainless steels.

| Grade | C   | Mn   | Si   | P    | S     | Cr   | Mo   | Ni   | N    |
|-------|-----|------|------|------|-------|------|------|------|------|
| 316   | Min | -    | -    | 0    | -     | 16.0 | 2.00 | 10.0 | -    |
|       | Max | 0.08 | 2.0  | 0.75 | 0.045 | 0.03 | 18.0 | 3.00 | 14.0 |
| 316L  | Min | -    | -    | -    | -     | 16.0 | 2.00 | 10.0 | -    |
|       | Max | 0.03 | 2.0  | 0.75 | 0.045 | 0.03 | 18.0 | 3.00 | 14.0 |
| 316H  | Min | 0.04 | 0.04 | 0    | -     | 16.0 | 2.00 | 10.0 | -    |
|       | Max | 0.10 | 0.10 | 0.75 | 0.045 | 0.03 | 18.0 | 3.00 | 14.0 |

| TYPICAL CHEMICAL PROPERTIES OF STAINLESS STEEL     |        |           |            |        |         |              |             |
|--|--------|-----------|------------|--------|---------|--------------|-------------|
| Chemical Composition (Max. unless otherwise noted) |        |           |            |        |         |              |             |
|  | Carbon | Manganese | Phosphorus | Sulfur | Silicon | Chromium     | Nickel      |
| 304 (Austenitic)                                   | 0.08   | 2.00      | 0.045      | 0.03   | 1.00    | 18.00 -20.00 | 8.00 -10.50 |

# Technical Data : Metalware

## ALUMINIUM

Weight: With a density of 2.7 g/cm<sup>3</sup>, Aluminium is approximately one third as dense as steel.

Strength: Aluminium alloys commonly have tensile strengths of between 70 and 700 Mpa. The range for alloys used in extrusion is 150-300 Mpa.

Unlike most steel grades, aluminium does not become brittle at low temperatures. Instead, its strength increases. At high temperatures, aluminium's strength decreases. At temperatures continuously above 100°C, strength is affected to the extent that the weakening must be taken into account.

## CAST IRON

Cast iron is made by remelting pig iron, often along with substantial quantities of scrap iron and scrap steel, and taking various steps to remove undesirable contaminants such as phosphorus and sulfur. Depending on the application, carbon and silicon content are reduced to the desired levels, which may be anywhere from 2% to 3.5% and 1% to 3% respectively. Other elements are then added to the melt before the final form is produced by casting.

### Comparative qualities of cast irons

| Name                                | Nominal composition [% by weight]      | Form and condition     | Yield strength [ksi (0.2% offset)] | Tensile strength [ksi] | Elongation [% (in 2 inches)] | Hardness [Brinell scale] |
|-------------------------------------|--|------------------------|------------------------------------|------------------------|------------------------------|--------------------------|
| Cast grey iron (ASTM A48)           | C 3.4, Si 1.8, Mn 0.5                  | Cast                   | -----                              | 25                     | 0.5                          | 180                      |
| White                               | C 3.4, Si 0.7, Mn 0.6                  | Cast (as cast)         | -----                              | 25                     | 0                            | 450                      |
| Malleable iron (ASTM A47)           | C 2.5, Si 1.0, Mn 0.55                 | Cast (annealed)        | 33                                 | 52                     | 12                           | 130                      |
| Ductile or nodular iron             | C 3.4, P 0.1, Mn 0.4, Ni 1.0, Mg 0.06  | Cast                   | 53                                 | 70                     | 18                           | 170                      |
| Ductile or nodular iron (ASTM A339) | -----                                  | Cast (quench tempered) | 108                                | 135                    | 5                            | 310                      |
| Ni-hard type 2                      | C 2.7, Si 0.6, Mn 0.5, Ni 4.5, Cr 2.0  | Sand-cast              | -----                              | 55                     |                              | 550                      |
| Ni-resist type 2                    | C 3.0, Si 2.0, Mn 1.0, Ni 20.0, Cr 2.5 | Cast                   | -----                              | 27                     | 2                            | 140                      |

## BRASS

Brass is any alloy of copper and zinc; the proportions of zinc and copper can be varied to create a range of brasses, each of which has unique properties. In comparison bronze is principally an alloy of copper and tin. Despite this distinction, some type of brasses are called bronzes. Brass is a substitutional alloy. It is mainly used for making laboratory metalware like retort stands, retort clamps etc

Properties: Brass has higher malleability than copper or zinc. The relatively low melting point (900-940°C depending on composition) of brass and its flow characteristics make it a relatively easy material to cast. By varying the proportions of copper and zinc, the properties of the brass can be changed, allowing hard and soft brasses.

Today almost 90% of all brass alloys are recycled. Brass scrap is collected and transported to the foundry where it is melted and recast into billets. Billets are later heated up and extruded into the right form and size.

Brass Types: Common brass, or rivet brass, is 37% zinc brass, cheap and standard for cold working.

# Technical Data : Metalware

## SILICON RUBBER TUBING

Suitable for Laboratory, Pharmaceutical and Industrial use. It has specific advantages over other types such as latex, usual synthetic rubber and plastic tubing.

1. Silicon Rubber Tubing is suitable for use over a temperature range of  $-50^{\circ}\text{C}$  to  $250^{\circ}\text{C}$  hence useful for transfer of hot liquids.
2. It can be sterilized by steam (autoclave) or by hot air. This finds applications for use under aseptic conditions.
3. The tubing is odourless. It does not impart any smell or taste to liquid passing through it. It is suitable for transfer of pharmaceutical liquids, beverages and other food preparations.
4. The Silicon Rubber used for making tubing is of superior grade. Tubing is not irritant to skin.
5. The tubing is highly elastic and hence suitable for use with peristaltic pump.
6. Silicon Rubber is attacked by strong acids, strong alkalis, oils, bromine, carbon tetrachloride and toluene. The tubing is not recommended for use with these materials.

Silicon Rubber tubing is Transparent to Translucent.

## NATURAL RUBBER TUBING

made from Rubber Trees

Shore hardness : 45

Density : 1.13

Temperature range :  $-30^{\circ}\text{C}$  to  $110^{\circ}\text{C}$  light

It is resistant to dilute acid, alkalis, ammonia etc. Rubber Tubing light, flexible. For transferring gasses.

# Technical Data

## LOW EXPANSION BOROSILICATE GLASS

From the 16th Century to, today, chemical research teams have used glass containers for a very basic reason the glass containers is transparent, almost invisible. And so the contents and the reaction are clearly visible, But because chemists must heat, cool and mix chemical substances, ordinary glass is not always adequate for laboratory works.

Laboratory works requires apparatus made in a glass - which can readily be moulded into any desired shape or form, which offers maximum inertness when in contact with the widest range of chemical substances, which can withstand thermal shock with fracture and high temperature work without deforming, and which will be resilient enough to survive the everyday knocks to which it will be subjected in normal laboratory handling, washing and sterilizing processes.

### Chemical Composition

Glassco Glassware is a low alkali borosilicate composition. Its typical chemical composition is given under. It is virtually free of magnesia-lime-Zinc group and contains only traces of heavy metals.

| PERCENTAGE BY WEIGHT          |     |
|-------------------------------|-----|
| SiO <sub>2</sub>              | 81% |
| B <sub>2</sub> O <sub>3</sub> | 13% |
| Na <sub>2</sub> O             | 4%  |

### Thermal Properties

As the Coefficient of thermal expansion of Borosilicate glass is low, the thermal stresses under a given

temperature gradient are consequently low and the glass can withstand higher temperature gradients and also sudden temperature changes/thermal shocks. Minute scratching of glass surface can however reduce its thermal resistance.

In general the 'Strain Point' should be regarded as the maximum safe operating temperature of Glassco glassware. When heated above 500°C the glass may acquire permanent stresses on cooling. All Glassco labware is annealed in modern ovens under strictly controlled conditions to ensure minimal residual stress in the products.

|  |                          |
|--|--------------------------|
| Coefficient of Linear Expansion                    | 32.5x10 <sup>-7</sup> °C |
| Strains Point                                      | 515°C                    |
| Annealing Point                                    | 565°C                    |
| Softening Point                                    | 820°C                    |
| Specific Heat                                      | 0.2                      |
| Thermal Conductivity (Cal/cm <sup>3</sup> /°C/Sec) | 0.0027                   |

### Chemical Durability

Glassco Glassware in highly resistance to water, neutral and acid solutions, concentrated acids and their mixtures as well as to chloride, bromine, iodine, and organic matters. Even during extended period of reaction and at temperatures above 100°C, its chemical resistance exceeds that of most metals and other materials. It can withstand repeated dry and wet sterilisation without surface deterioration and subsequent contamination. Resistance to attack of various chemicals is shown under. Only hydrofluoric acid, very hot phosphoric acid and alkaline solutions increasingly attack the glass surface with rising concentration and temperature.

### Fabrication with Borosilicate Glass

Due to low expansion of glass and easy workability, this glass can be shaped, formed, joined into complicated apparatus. It can be done even by an analyst in his own laboratory. He can keep on changing till he gets what he needs. In case where annealing in a controlled oven is difficult he can do so by flame annealing which is also great advantage.

### Optical Properties

Laboratory glassware made from Borosilicate Glass shows no noticeable absorption in the visible region of the spectrum. It appear consequently clear and colourless.

| CONTACT CHEMICAL  | DURATION IN HOUR | LOSS IN WT. MG/M <sup>2</sup> |
|---|------------------|-------------------------------|
| Water distilled at 100°C                                    | 6                | 10                            |
| Water Vapour Steam at 121°C                                 | 1                | 75                            |
| Acid HCl  | 6                | 100                           |
| 80% H <sub>2</sub> SO <sub>4</sub> at 130°C                 | 12               | 140                           |
| Alkali- 1N soln. of Na <sub>2</sub> CO <sub>3</sub> boiling | 6                | 4000                          |
| Infusion Fluids Isotonic                                    |                  |                               |
| NaCl (0.85%) 121°C  | 2.5              | 70                            |
| Glucose (5%) 121°C  | 2.5              | 50                            |

When treated with proper care Glassco laboratory apparatus will give a long and satisfactory service. The following prepared notes are to assist users in obtaining the maximum life and performance from their apparatus. Our sales department will be happy to advise on any aspect concerning the safe use of our products.

# Care & Maintenance

## HEATING AND COOLING

### Glass may suffer damage in three ways :

- It may break under thermal stress in the steady-state when there is an established constant thermal gradient through the glass.
- It may break under the transient pressure of a 'thermal shock,' that is, sudden heating or cooling.

If heated beyond a specific temperature, it may acquire permanent stress on cooling, which could cause subsequent failure.

### The following precautionary measures will assist in avoiding failures during heating and cooling procedures:

01. Never leave the vessel unattended when evaporation work is being carried out. The vessel may crack or explode if the heat source is not adjusted correctly. Lower the temperature gradually as the liquid level drops.
02. Always use caution when removing glassware from a heat source and avoid placing it on a cold or damp surface. Although the ware can withstand extreme temperatures, sudden temperature changes may cause the vessel to break.
03. Always cool vessels slowly to prevent thermal breakage.
04. Never apply heat to badly scratched or etched vessels as the thermal strength will have been significantly reduced.
05. Never apply point source heating to a vessel, as this will significantly increase the chance of breakage.
06. Always diffuse the heat source by using a metal gauze or air/water bath. Alternatively, ensure uniform heating of the vessel by slow movement of the vessel with the heat source.
07. Adjust Bunsen burner to get a sizable soft flame. It will heat slowly but also more uniformly. Uniform heat is a critical factor for some chemical reactions.
08. Ensure that the flame contacts the vessel below the liquid level. Heating above that level will invite breakage of the vessels.
09. Always use anti-bumping devices in the vessel, such as powered pumice or glass wool. Rapid heating of the vessel and contents is required.
10. Never use material with sharp edges such as broken porcelain as an anti-pumping device. This will cause internal abrasions and reduce the mechanical and thermal strength of the vessel.
11. Thick-walled glassware should not be subjected to direct flame or another localized heat source. Vessels of this type are best heated with the use of an electric immersion heater.
12. Avoid heating glassware over electric heaters with open elements. Uneven heat of this type can include localized stress and increase the chance of breakage.
13. Remember that the hot plate will retain heat long after the appliance has been switched off.
14. Always ensure that the hot plate's surface is larger in area than the vessel's base being heated. An under-sized scale of the job in hand will invite uneven heating and promote the breakage of glassware.
15. Always ensure that manufacturer's instructions are followed when electrical heat sources.

## Mixing and Stirring

01. Always use a rubber policeman's or similar device on stirring rods to prevent scratching the vessel's inside.
02. Using a glass vessel with a magnetic stirrer, always use a covered follower to prevent scuffing the container's inside.
03. When using a glass or metal mechanical stirrer in a glass vessel, always predetermine the stirrer's height before use to ensure there is no contact between the stirrer blade and the vessel's bottom or sides.
04. Never mix sulphuric acid and water inside a glass measuring cylinder. The heat of the reaction can break the base of the cylinder.

## Vacuum and Pressure

01. Never use glassware beyond the recommended safe limit.
02. Always use a safety screen when working with glassware subjected to the pressure of a vacuum.
03. Never subject glassware to sudden pressure changes. Always apply and release positive and negative pressures gradually.



# Care & Maintenance

## Joining and Separating glass apparatus

01. When storing glass stopcocks and joints, insert a thin strip of paper between joint surfaces to prevent sticking.
02. Never store stopcocks for long periods with lubricant still on the ground surfaces.
03. Glass stopcocks on Burettes and Separation Funnels should be lubricated frequently to prevent sticking.
04. If a ground joint sticks, separation can generally be achieved by carefully reeking the cone in the socket, or gently tapping of the socket flange on a wooden surface, or by heating the socket and not the cone in a localised flame. The use of penetrating oil will often prove useful in aiding separation.
05. In using lubricants it is advisable to apply light coat of grease completely around the upper part of the joint. Use only a small amount and avoid greasing that part of the joint which contacts the inner part of apparatus.
06. Three type of lubricants are commonly use on standard taper joints
  - (A) Hydrocarbon grease is the most widely used. It can be easily remove by most laboratory solvents, including acetone.
  - (B) Because hydrocarbon grease is so easily removable, silicon grease is often preferred for higher temperature or high vacuum applications. It can be removed readily with chloroform.
  - (C) For long term reflux or extraction reactions, a water soluble, organic and insoluble grease, such as glycerin, is suitable. Water will clean glycerin. There are other type of greases which can be used specifically when certain reagents are used in the Burettes or Separating Funnels.
07. The use of water, oil or glycerol is recommended on both tubing and rubber bung when inserting glass tubing into a bung. Always wear heavy protective gloves or similar protection when carrying out this operation.
08. Always fire polish rough ends of glass tubing before attempting to insert into flexible tubing. The lubricants recommended above may also prove useful.
09. Never attempt to pull a thermometer out of a rubber bung. Always cut the bung away.

## PERSONAL SAFETY

01. Use tongs to asbestos gloves to remove all glassware from heat. Hot glass can cause severs burns.
02. Protective gloves, safety shoes, aprons, and goggles should be worn as safety chemical accidents, spilling or splattering.
03. Always flush the outside of acid bottle with water before opening. Do not put the stopper on the counter top where someone else may come in contact with acid residue.
04. Special care is needed when dealing with mercury. Even a small amount of mercury in the bottom of a drawer can poison the room atmosphere. Mercury toxicity is cumulative and the element's ability to amalgamate with a number of metals is well known. After an accident involving mercury, the area should be cleaned carefully until there are no globules remaining. All mercury containers should be kept well-stoppered.
05. Never drink from a beaker. A beaker left specifically for drinking is a menace to the laboratory. Do not taste chemicals for identification. Smell chemicals only when necessary and by waiting a small amount of vapour towards the nose.
06. Avoid pipeting by mouth, particularly when using concentrated acids, alkalis or potentially biohazardous materials. Use mechanical means such as a rubber bulb or an automatic dispenser.
07. Never fill receptacle with material other than that called for by the label. Label all containers before filling. Throw away contents of unlabelled containers.
08. To avoid breakage when clamping glassware, do not permit glass-to-metal contact and do not use excessive force to tighten the clamps.
09. Do not look down into a test tube being heated or containing chemicals and do not point its open end at another person. A reaction might cause the contents to be ejected, resulting in injury.
10. Spattering from acids, caustic materials and strong oxidizing solutions on the skin or clothing should be washed off immediately with large quantities of water.

# Care & Maintenance

11. When working with chlorine, hydrogen sulphide, carbon monoxide, hydrogen cyanide and other very toxic substances, always use a protective mask or perform these experiments under a fume hood on a well ventilated area.
12. In working with volatile materials, remember that heat causes expansion and confinement of expansion results in explosion. Remember also that danger exists even though external heat is not applied.
13. Perchloric acid is especially dangerous because it explodes on contact with organic materials. Do not use perchloric acid around wooden benches or tables. Keep perchloric acid, wear protective clothing.
14. When using hot plates and other electrical equipments, ensure the wire and plugs are in good condition. Never handle electrical connection with damp hand.

## CLEANING

Successful experimental results can only be achieved by using a clean apparatus. In all instances laboratory glassware must be physically clean, in nearly all cases it must be chemically clean and in specific cases it must be bacteriologically clean or sterile. There must be no trace of grease and the safest criteria of cleanliness is the uniform wetting of the glass surface by distilled water-this being of the utmost importance for glassware used for volumetric methods. Any prevention of uniform wetting of the surface will introduce errors such as distortion of the meniscus and accuracy of volume.



## GENERAL CLEANING

01. Cleaning of glassware which has contained hazardous materials must be solely undertaken by experienced personal.
02. Most new glassware is slightly alkaline in reaction. For precision chemical tests, new glassware should be soaked several hours in acid water (1% solution hydrochloric acid or nitric acid) before washing.
03. Glassware which is contaminated with blood clots, culture media, etc. must be sterilized before cleaning.
04. If glassware become induly clouded or dirty or contains coagulated organic matter, it must be cleaned with chromic acid cleaning solution. The dichromates should be handle with extreme care because it is a powerful corrosive
05. Wash glassware as quickly as possible after use but if delays are unavoidable, the articles should be allowed to soak in water.
06. Grease is removed by weak sodium carbonate solution or acetone or fat solvents. Never use strong alkalis.
07. Hot water with recommended detergents should be used and if glass is exceptionally dirty a cleaning power with a mild abrasive action can be applied, provided the surface is not scratched.
08. During washing all parts of the article should be throughly scrubbed with a brush selected for the shape and size of the glassware. Brushes should always be in good condition to avoid any abrasion of glassware.
09. When chromic acid solution is used, the item may be rinsed with the cleaning solution or it may be filled and allowed to stand. The amount of time should depend on amount of contamination on the glassware.
10. Special type of precipitate material may required removal with nitric acid, aqua regia or fuming sulphuric acid. These are very corrosive substances and should be used only when required.



# Care & Maintenance

11. It is imperative that all soap detergents and other cleaning fluids be removed from glassware before use. This is especially important with the detergents, slight traces of which will interfere with serologic and culture reactions. After cleaning, thoroughly rinse with tap water ensuring that containers are partly filled with water, shaken and emptied several times. Finally rinse with deionised or distilled water.
12. Drying can be undertaken either in baskets or on pages in air or at a temperature not exceeding 120°C.
13. Always protect clean glassware from dust by use of temporary closures or by placing in a dust free cabinet. For cleaning specific type of glassware, please refer the following pages.

## Cleaning Specific Types of Glassware Pipettes

Place pipettes tips down, in a cylinder or tall jar of water immediately after use. Do not drop them into the jar, since this may break or chip the tips and render the pipettes useless for accurate measurements. A pad of cotton or glass wool at the bottom of the jar will help to prevent breaking of the tips. Be certain that the water level is high enough to immerse the greater portion or all of each pipette. At a convenient time, the pipettes may then be drained and placed in a cylinder or jar of dissolved detergent or, if exceptionally dirty, in a jar of chromic acid cleaning solution. After soaking for several hours, or overnight, drain the pipettes and run tap water over and through them until all traces of dirt are removed. Soak the pipettes in distilled water for at least one hour. Remove from the distilled water, dry the outside with a cloth, shake out the water and dry.

## Burettes (with glass stopcock)

01. Remove the stopcock key and wash the burette with detergent and water.
02. Rinse with tap water until all the dirt is removed. Then rinse with distilled water and dry.
03. Wash the stopcock key separately. Before the stopcock key is replaced in the burette's stopcock key are not interchangeable
04. Always cover burettes when not in use.

## Culture Tubes

01. Culture tubes which have been used previously must be sterilized before cleaning. The best general method for sterilising culture tubes is by autoclaving for 30 minutes at 121°C (15lb. pressure). Media which solidify on cooling should be poured out while the tubes are emptied, brush with detergent and water, rinse thoroughly with tap water, rinse with distilled water, place in a basket and dry.
02. If tubes are to be filled with a medium which is sterilized by autoclaving, do not plug until the medium is added. Both medium & tubes are thus sterilized with one autoclave.
03. If the tubes are to be filled with a sterile medium or if they are to be sterilized by the fractional method then sterilize the tubes in the autoclave or dry air sterilizer before adding the medium..

## Serological Tube

01. Serological Tubes should be chemically clean but need not be sterile. However, specimens of blood which are to be kept for some time at room temperature should be collected in a sterile container. It may be expedient to sterilize all tubes as routine.
02. To clean and sterilize tubes containing blood, discard the clots in a waste container and place the tubes in a large basket. Put the basket, with others, in a large bucket or boiler. Cover with water, add a fair quantity of soap or detergent and boil for 30 minutes. Rinse the tubes and clean with brush, rinse and dry with the usual precautions.
03. It is imperative when washing serological glassware that all acid, alkali and detergent be completely removed, Both acid and alkali in small amounts destroy complement and in large amounts produce hemolysis. Detergents interfere with serologic reactions.
04. Serological tubes and glassware should be kept separate from all other glassware and used for nothing except serologic procedures.

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