



Laboratory
**Glassware, Instruments
& Accessories**



PRICELIST
2024-25

GLASSCO LABORATORY EQUIPMENTS PVT. LTD.



From the MD's Desk

Mr. Sameer Jain (Managing Director)

Glassco is a producer of high-quality Lab Glassware and Instruments for more than 55 years and exporting to 85+ countries. We export a wide range of standard glassware, according to DIN, JIS, ISO, and FROM THE MD'S DESK 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, a milestone achieved in Glassco Laboratories, having a capacity of producing one million pieces per day.

For our scientific instruments, we have marketed under DAN Logitech Brand that ensures good design and functionality for our benchtop instrument range.

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. QR Code for each product is also available in this catalogue, which, when scanned, redirects you to the website for additional information about the products and quick buy.

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 grateful to recast and manufacture them for you. You can also visit our website, www.glasscolabs.com, or contact us at info@glasscolabs.com.

We are delighted to introduce the 2024-25 edition of the Glassco catalogue.



GLASSCO



A Glass Apart

Glassco History

Glassco was established in 1969 as a volumetric glassware production company. Till 1996, Glassco was catering mainly to the domestic market. Since 1996, Glassco started exporting from its domestic plant and rapid success in the international export market. It was time to set up a separate Export-Oriented Unit (EOU), which was established in the year 2000, employing nearly 70 people at that time in an area of 2000 square meters. In 2006, Glassco moved into a new location as required since the export business's growth was very rapid. We are now working with more than 900+ people in the glassware plant and covering nearly 72000 square meter area.



SEMI AUTOMATIC PRODUCTION PLANT

GLASSCO PRODUCT PORTFOLIO

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.



Interchangeable



Volumetric



Filtration



General

ALLIED PRODUCTS & ACCESSORIES



Plasticware



Metalware



Rubberware



Misc.



Instruments



Micropipette



DISPOSABLE GLASSWARE 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



TEST TUBE MACHINE:
40000 PCS PER SHIFT



BEAKER MACHINE:
6000 PCS PER SHIFT



AUTOMATIC FLASK FORMING MACHINE:
800 PCS PER SHIFT



Awards

Awarded under
“MAKE IN INDIA”
 programme (2011)



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



CPhI India
 FINALIST IN THE
 INNOVATION GALLERY 2018



2005

2007

2012

2013

2020

2023

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.



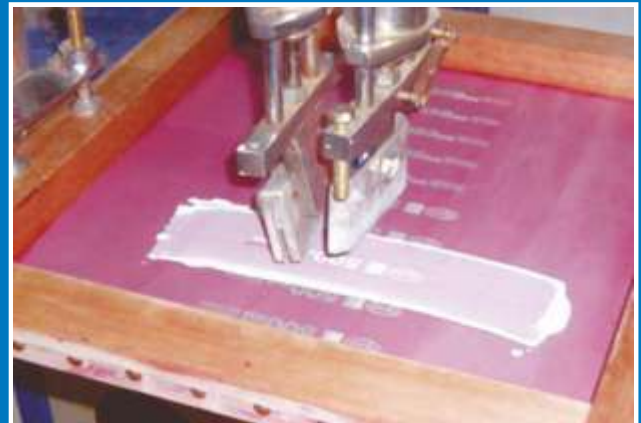
ANNEALING LEHRS

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 8000m² 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

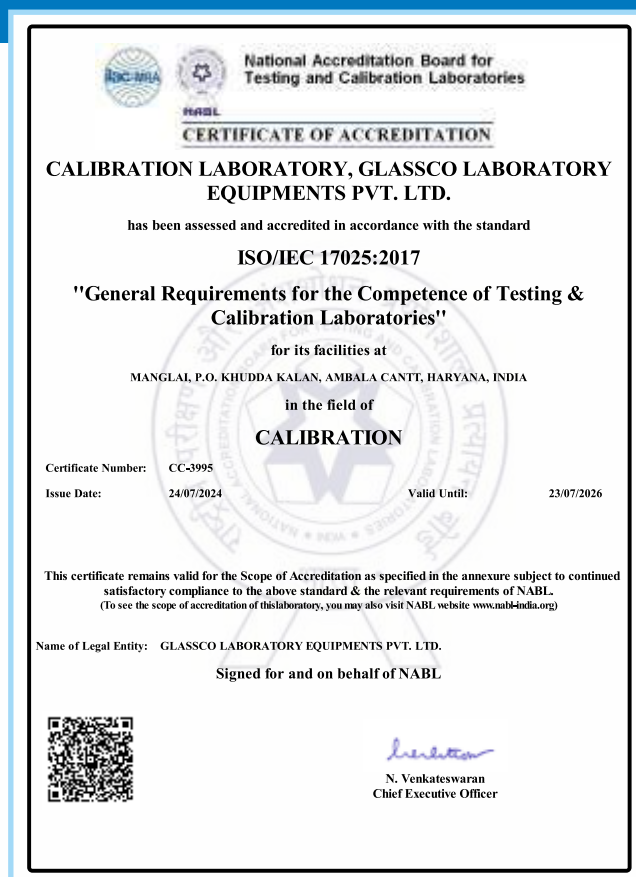
Glassco has undertaken accreditation for its system for calibration and testing as per ISO 17025:2005.

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 17025:2005.

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



Certificates

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 per formance 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.


Total Quality Assured.

CERTIFICATE OF REGISTRATION

This is to certify that the management system of:
Glassco Laboratory Equipments Pvt. Ltd.
Main Site: Manglaj, 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 Laboratory Equipment for use in Diagnostic, Pharmaceutical and General Laboratories.

Certificate Number: 8101
Initial Certification Date: 23 October 2015
Date of Certification Decision: 06 August 2024
Issuing Date: 08 August 2024
Valid Until: 22 October 2027



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.




Total Quality Focused.

CERTIFICATE OF REGISTRATION

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Main Site: Manglaj, 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 Laboratory Equipment for use in Diagnostic, Pharmaceutical and General Laboratories.

Certificate Number: IPK-0039.06
Initial Certification Date: 30 June 2017
Last Certificate Expiry Date: 24 April 2023
Date of Last Recertification Audit: 18 April 2023
Certification Cycle Start Date: 28 April 2023
Issuing Date: 06 May 2023
Valid Until: 24 April 2026



Calin Moldovean
President Business Assurance
Intertek Certification Limited, 10A Victory Park, Victory Road, Derby DE24 8ZF, United Kingdom



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Tests & Checks

7Steps 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

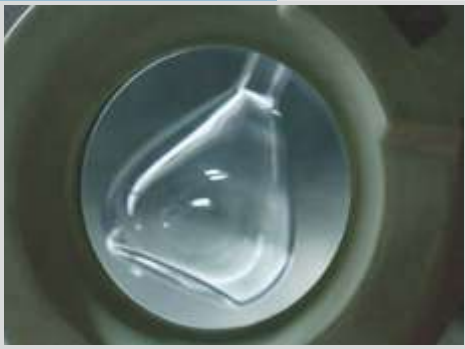
Glassco has five conveyer ANNEALING LEHRS where all the products are annealed to remove manufacturing stress from glass to ensure product durability and strength. We have four stress viewers installed at different locations of the processing.



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.

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

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

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

		National Accreditation Board for Testing and Calibration Laboratories	
NABL			
CERTIFICATE OF ACCREDITATION			
CALIBRATION LABORATORY, GLASSCO LABORATORY EQUIPMENTS PVT. LTD.			
has been assessed and accredited in accordance with the standard			
ISO/IEC 17025:2017			
"General Requirements for the Competence of Testing & Calibration Laboratories"			
for its facilities at			
MANGLAI, P.O. KHUDDA KALAN, AMBALA CANTT, HARYANA, INDIA			
in the field of			
CALIBRATION			
Certificate Number:	CC-3995		
Issue Date:	24/07/2024	Valid Until:	23/07/2026
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. (To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)			
Name of Legal Entity: GLASSCO LABORATORY EQUIPMENTS PVT. LTD.			
Signed for and on behalf of NABL			
	 N. Venkateswaran 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 and by scanning the QR Code from the label of the box or from the volumetric flask.

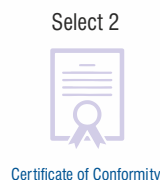
QR CODES !

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 ...

www.glasscolabs.com		VOLUMETRIC FLASK CLASS A		GLASSCO	
CATALOGUE NO	130 234 01			ISO 9001:2015	
NOMINAL VOLUME	5.00 ml			BATCH TEST CERTIFICATE Batch tested in ISO 17025:2005 certified laboratory	
TOLERANCE	±0.040 ml				
COMPLIANCE	ISO1042:1998				
BATCH NO	04.18				
MEAN VOLUME					
CONTAINED	5.005 ml				
STANDARD DEVIATION	0.007 ml				
TESTING DEVICE NAME	SARTORIUS				
BALANCE	ABAL-04,420g/0.001g				
WEIGHTS	5g				
THERMOMETER	DM-29-50 to300 DEG C/0.1DEG C				
OPERATOR	SUKHBIR				
DATE OF ISSUE	06.04.18				



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) **01.10/505** 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 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

GLASSCO		Glassco Laboratory Equipments Pvt. Ltd.	
CALIBRATION CERTIFICATE (Glassco Calibration Laboratory) (ISO 17025:2005 Certified laboratory)			
IDENTITY NO: GLASSCO/06/04/001	ISSUE DATE: 04/04/18	CUSTOMER: SLS-STOCK	CAL. REPORT NO: 04/18/01
TEST METHOD: GRIMMETT METHOD	TESTED BY: SARTORIUS	TESTED DATE: 04/04/18	TESTED TIME: 10:00 AM
TESTED ITEM: VOLUMETRIC FLASK 5.00 ml	CATALOGUE NO: 13023401	BATCH NO: 04.18	MEAN VALUE: 5.005 ml
STANDARD DEVIATION: 0.007 ml	TOLERANCE: ±0.040 ml	COMPLIANCE: ISO 1042:1998	TESTED BY: SARTORIUS
The product was found to contain the following volume at 25 °C			
VOLUME CONTAINED	5.005 ml	TOLERANCE	±0.040 ml
STANDARD DEVIATION	0.007 ml	COMPLIANCE	ISO 1042:1998
Expanded uncertainty (at 95% C.L.) is ±0.018 ml			
The product has been calibrated with the following device: Device: Sartorius Analytical Balance, 4 kg/0.001 g (SARTORIUS) Temperature: 20.000 °C to 20.000 °C All the above devices have valid calibration traceable to NPL India, traceable to International standards.			
The above product has been checked for compliance to ISO 1042:1998 Class A,2 has been found to satisfy the specified requirements. The above data has been captured at 24 °C @ 47% RH.			
This report is valid for 12 months from the date of calibration under lab conditions. This report shall not be reproduced, copied or used in any way without permission from Glassco Laboratory Equipments.			
CALIBRATED BY: SARTORIUS		DATE OF ISSUE: 04/04/18	
www.glasscolabs.com		Page 1 of 1	

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 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.

NABL
CC-2521
505
01.10



* 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

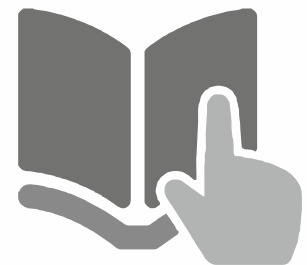
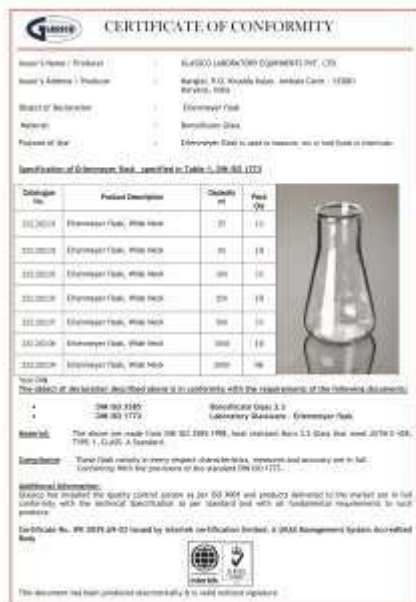


Use your Smartphone to scan the QR Code on the box labels ...

FROM HERE YOU GET

Certificate of conformity

User manual



User Manual



A Glass Apart

Adapters	Flange Septa Screw Thread	21-49
Beakers	Low Form/Tall Form, PP Euro Design, Tong SS & Brush	50-54
Bottles	Reagent, Screw Cap, Brush, Wash PP, Wide Mouth	55-70
Burettes	With Glass, PTFE, Needle Stopcock, Automatic, Clamp, Chloroform Bellow, Brush	71-80
Columns	Chromatography	81-85
Condensers	Coil, Air, Leibig, Allihin, Dimroth, Friedrichs, & Reflux	86-92
Crucibles	Euro Design, Quartz, Silica, Tong, Holder & Filter Crucible	93-96
Cylinders	Hexa/Round/PP Base, DIN/ISO/USP, PP & Brush	97-103
Desiccator	Plain & Vacuum	104
Dishes	Crystallizing, Disposable, Euro Design, Pastle & Mortar	105-108
Disposable	Boro Glass 5.1 & 7.0 with screw cap, Pasteur Pipettes	319
Distillation	Graham, Friedrichs, Alcohol Dist., Clevenger, Dean & Stark	109-117
Extraction Apparatus	Extractor, Soxhlet, Allihin & Dimroth	118-120
Filtration	All-Glass Filter with 47mm & 90 mm Disc. Filters	121-128
Flasks	Erlenmeyer, Conical, Pear Shape, kjeldahl, PP, Filter	129-154
Flasks, Volumetric	USP, DIN, ASTM, ISO, NABL, PP, Stoppers	157-176
Funnels	Buchner, Squibb, Globe, Dropping, Gilson, Pear	177-199
Instruments	Hotplate, Stirrer, Shaker, Heating Mantle (Digital Analog, Centrifuge, Mixer, Water & Oil Bath, Soil & pH Testers	201-255
Joints	Cone, Socket, Spherical Joint	256-258
Lab Essentials	Gloves, Slides, Glass Stirrer, Boxes, Jars	259-266
Liquid Handling	Micropipettes, Tips, Rack, Trays, BTD	267-275
Metalware	Retort Stand, Ring, Clamp, Bosshead, Burner, Spatula	276-290
Pipettes	Pasteur, Serological, Volumetric, Mohr, PP, Box, Pump, Bulb, Stand, Controller	291-302
Quartzware	Beaker, Dish, Flask, Volumetric Flask, Funnel	303-305
Rubberware	Tube, Cork, Silicon, Euro Design, Tubing, Teats, Sheet	306-313
Tube	Round/Flat Bottom, Reusable, Culture, Reaction, Brush	314-330
Utility Set	Organic Chemistry Set	331-332
Vials	Screw Neck, TOC, Cryo, Rack, Box, Storage, Sv5	333-337
Water Distillation	Single, Double, Quartz Boiler, Softner	338-345

Adapters

All adapters come in different shapes and sizes are manufactured from **ASTM E 438 TYPE 1 Class A Boro 3.3 Glass**, that meets DIN/ISO 3585 & USP Type requirement.

Adapter, Bushing with Drip Tip

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



Item Code	Socket Size	Cone Size	Pack of	Price / Piece
013.230.01	14/23	19/26	100	450
013.230.02	19/26	29/32	100	725

ASTM Sizes

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
013.478.01	14/20	19/22	1	460
013.478.01A	14/20	24/40	1	495
013.478.02	14/35	24/40	1	495

Adapter, Reduction

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



Item Code	Socket Size	Cone Size	Pack of	Price / Piece
013.202.01*	14/23	14/23	10	340
013.202.01A	14/23	19/26	10	375
013.202.02*	14/23	24/29	10	455
013.202.03	14/23	29/32	10	450
013.202.04*	19/26	24/29	10	455
013.202.05	19/26	29/32	10	550
013.202.06*	19/26	34/35	10	705
013.202.07*	19/26	40/38	10	685
013.202.08*	19/26	45/40	10	740
013.202.09*	19/26	55/44	10	1040
013.202.10*	24/29	29/32	10	555
013.202.11*	24/29	34/35	10	705
013.202.12*	24/29	40/38	10	675
013.202.13*	24/29	45/40	10	775
013.202.14*	24/29	50/42	10	865
013.202.15*	24/29	55/44	10	1045
013.202.16*	29/32	34/35	10	710
013.202.17*	29/32	40/38	10	795
013.202.18	29/32	45/40	10	805
013.202.19*	34/35	40/38	10	1125
013.202.20*	34/35	45/40	10	1220
013.202.21*	34/35	50/42	10	1470

* Non DIN/ISO

ASTM Sizes

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
013.470.02A	14/20	19/22	1	390
013.470.02	14/20	24/40	1	475
013.470.04	19/22	24/40	1	495
013.470.10	24/40	29/42	1	595
013.470.13	24/40	45/50	1	775

Adapter, Expansion

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

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
014.202.01	19/26	14/23	10	360
014.202.02*	24/29	14/23	10	435
014.202.03*	24/29	19/26	10	435
014.202.03A	29/32	14/23	10	485
014.202.04	29/32	19/26	10	530
014.202.05*	29/32	24/29	10	530
014.202.06*	34/35	19/26	10	675
014.202.07*	34/35	24/29	10	675
014.202.08*	34/35	29/32	10	675
014.202.09*	40/38	24/29	10	785
014.202.10*	45/40	29/32	10	880

* Non DIN/ISO

ASTM Sizes

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
014.470.01	19/22	14/20	1	395
014.470.02	24/40	14/20	1	485
014.470.03	24/40	19/22	1	485
014.470.05	29/42	24/40	1	580
014.470.09A	45/50	24/40	1	895



Adapter, Multiple

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

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
015.202.01	14/23	14/23	1	370
015.202.01A*	14/23	19/26	1	405
015.202.02	19/26	19/26	1	405
015.202.03*	19/26	24/29	1	450
015.202.04*	24/29	24/29	1	490
015.202.05*	19/26	34/35	1	570
015.202.06	29/32	29/32	1	640

* Non DIN/ISO

ASTM Sizes

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
015.470.01	14/20	14/20	1	400
015.470.03	19/22	19/22	1	440
015.470.04	24/40	24/40	1	535



Adapters



Adapter, Multiple

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

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
016.202.01	14/23	14/23	1	405
016.202.01A	14/23	19/26	1	405
016.203.01B	14/23	24/29	1	420
016.202.02	19/26	19/26	1	415
016.202.03	19/26	24/29	1	440
016.202.04	14/23	29/32	1	735
016.202.05	29/32	29/32	1	435

Adapter, Multiple

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



Item Code	Socket Size	Cone Size	Pack of	Price / Piece
017.202.01	19/26	19/26	1	575
017.202.01A	19/26	24/29	1	590
017.202.02	19/26	29/32	1	685
017.202.03	24/29	24/29	1	935
017.202.04	29/32	29/32	1	1040

Adapter, Swan Neck

- Comes with screw thread for a thermometers or have a rubber hose

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
018.202.01	14/23	19/26	1	405
018.202.01A	19/26	19/26	1	390
018.202.02	19/26	24/29	1	325
018.202.03	24/29	24/29	1	480
018.202.04	29/32	29/32	1	525



Adapter, Receiver Delivery

- With short stem

Item Code	Socket Size	Approx Stem Length (mm)	Pack of	Price / Piece
019.202.01	14/23	65	10	225
019.202.02	19/26	65	10	265
019.202.03	24/29	65	10	305
019.202.04	29/32	65	10	380



Adapters



GLASS
BORO
3.3

Chemical
Resistant

Socket

Adapter, Receiver Delivery

- With Long Stem

Item Code	Socket Size	Approx Stem Length (mm)	Pack of	Price / Piece
019.202.05	14/23	190	10	350
019.202.06	19/26	200	10	350
019.202.07	24/29	200	10	405
019.202.08	29/32	200	10	490



GLASS
BORO
3.3

Chemical
Resistant

Socket

Adapter, Receiver

- Straight

Item Code	Socket Size	Pack of	Price / Piece
020.202.01	14/23	10	225
020.202.02	19/26	10	265
020.202.03	24/29	10	305
020.202.04	29/32	10	395

Adapter, Receiver Bend with Vent

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

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
021.202.01	14/23	14/23	1	315
021.202.02	19/26	19/26	1	365
021.202.03	19/26	24/29	1	430
021.202.04	24/29	24/29	1	470
021.202.05	29/32	29/32	1	795



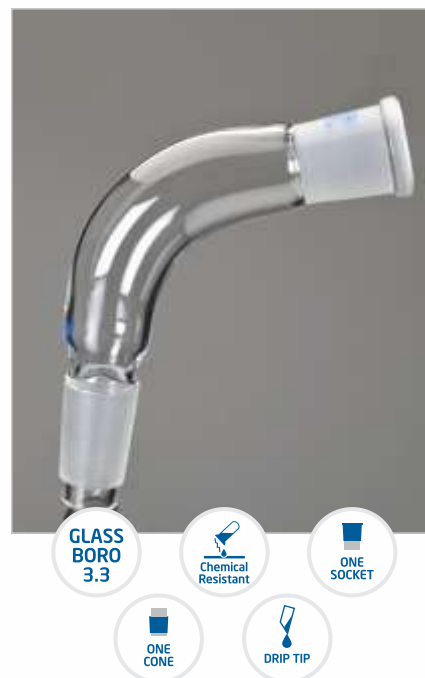
Adapter, Receiver, Plain Bend

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

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
025.202.00	14/23	14/23	1	345
025.201.00A	14/23	19/26	1	345
025.202.01	19/26	19/26	1	365
025.202.02	19/26	24/29	1	390
025.202.03	24/29	24/29	1	470
025.202.04	29/32	29/32	1	685

ASTM Sizes

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
025.470.06	24/40	24/40	1	510



Adapters

Adapter, Recovery Bend, Sloping End

- With Drip Tip, 75°



GLASS
BORO
3.3



Item Code	Cone Size to fit flask	Cone Size to fit Condenser	Pack of	Price / Piece
026.202.01	14/23	14/23	1	280
026.202.02	24/29	14/23	1	375
026.202.03	19/26	19/26	1	375
026.202.04	24/29	19/26	1	385
026.202.05	29/32	19/26	1	505
026.202.06	29/32	29/32	1	570
026.202.07	24/29	24/29	1	385
026.202.08	34/35	24/29	1	595
026.202.09	29/32	24/29	1	585
026.202.10	34/35	34/35	1	670

ASTM Sizes

Item Code	Cone Size to fit flask	Cone Size to fit Condenser	Pack of	Price / Piece
043.470.03	24/40	24/40	1	530

Adapter, Receiver, Vacuum Straight

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



DIN
12594

GLASS
BORO
3.3



Item Code	Socket Size	Cone Size	Pack of	Price / Piece
022.202.01	14/23	14/23	1	325
022.202.02*	14/23	19/26	1	340
022.202.02A	19/26	19/26	1	400
022.202.03*	19/26	24/29	1	440
022.202.04*	24/29	24/29	1	480
022.202.05*	24/29	29/32	1	570
022.202.06	29/32	29/32	1	950

ASTM Sizes

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
022.472.04S	24/40	24/40	1	550

Adapter, Receiver, Vacuum Angled

- 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	Price / Piece
022.201.01	14/23	14/23	1	375
022.201.02*	14/23	19/26	1	390
022.201.03	19/26	19/26	1	630
022.201.04*	19/26	24/29	1	505
022.201.05*	24/29	24/29	1	555
022.201.06*	24/29	29/32	1	670
022.201.07	29/32	29/32	1	880

* Non DIN/ISO

ASTM Sizes

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
022.471.01S	14/20	14/20	1	400
022.471.03S	19/22	19/22	1	475
022.471.05S	24/40	24/40	1	580

Adapter, Distillation 105°

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

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
025.475.01	14/20	14/20	1	330



Adapters

Adapter, Receiver, Side Socket

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



GLASS
BORO
3.3



TWO
SOCKET

ONE
CONE



Item Code	Socket Size	Cone Size	Pack of	Price / Piece
023.202.01	14/23	14/23	1	465
023.202.02	19/26	19/26	1	595
023.202.03	19/26	24/29	1	640
023.202.04	24/29	24/29	1	735
023.202.05	29/32	29/32	1	910

Adapter, Receiver

- With Multiple Connection & Screw Thread
- Can be connected upto three flasks
- With side arm for connection to a vacuum supply
- With socket for connection to condenser
- Two parallel cones & one cone at 45°



GLASS
BORO
3.3



ONE
SOCKET

THREE
CONE



Item Code	Socket Size	Cone Size	Pack of	Price / Piece
024.202.01	14/23	14/23	1	990
024.202.02	14/23	19/26	1	1045
024.202.03	19/26	19/26	1	1175

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	Price /Piece
024.471.03	24/40	24/40	1	1295



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	Price /Piece
024.470.01	14/20	14/20	1	975
024.470.02	24/40	24/40	1	1220



Adapter, Distilling Cow Receiver

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



Item Code	Socket Size	Cone Size	Pack of	Price /Piece
024.475.01	14/20	14/20	1	990

GLASS
BORO
3.3



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	Price / Piece
027.202.01	14/23	14/23	1	395
027.202.02	19/26	19/26	1	480
027.202.03	24/29	19/26	1	515
027.202.04	24/29	24/29	1	610
027.202.05	29/32	29/32	1	800

GLASS
BORO
3.3



Adapter, Still Head Plain

- Complies with DIN 12594
- With Drip Tip
- 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	Price / Piece
028.202.01	14/23	14/23	14/23	1	530
028.202.02	14/23	19/26	19/26	1	590
028.202.03*	14/23	24/29	19/26	1	670
028.202.04	14/23	29/32	19/26	1	740
028.202.05*	14/23	34/35	19/26	1	855
028.202.06*	14/23	24/29	24/29	1	690
028.202.07*	14/23	34/35	24/29	1	995
028.202.08*	14/23	29/32	24/29	1	755
028.202.09*	14/23	29/32	29/32	1	1065
028.202.10*	14/23	34/35	29/32	1	1025

* Non DIN/ISO

ASTM Sizes

Item Code	Socket Size	Cone Size to fit flask	Cone Size to fit Condenser	Pack of	Price / Piece
028.470.02	19/22	19/22	19/22	1	650
028.470.03	24/40	24/40	24/40	1	775
028.470.04	14/20	14/20	14/20	1	565

Adapter, Claisen Heads

- Complies with DIN 12594
- With 2 x B14 Socket, One cone 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	Price / Piece
029.202.01	14/23	14/23	14/23	1	660
029.202.02*	14/23	19/26	19/26	1	725
029.202.03*	14/23	24/29	19/26	1	770
029.202.04*	14/23	24/29	24/29	1	830
029.202.05*	14/23	29/32	29/32	1	895
029.202.06*	14/23	34/35	24/29	1	995

* Non DIN/ISO



Adapter, Splash Heads, Straight

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



GLASS
BORO
3.3

Chemical
Resistant

ONE
SOCKET

ONE
CONE

DRIP
TIP

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
030.202.01	14/23	14/23	1	595
030.202.02	19/26	24/29	1	660
030.202.03	29/32	29/32	1	745

ASTM Sizes

Item Code	Cap. (ml)	Socket Size	Cone Size	Pack of	Price /Piece
030.402.04A	100	24/40	24/40	1	805

Adapter, Splash Heads

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



GLASS
BORO
3.3

Chemical
Resistant

TWO
CONE

Item Code	Cone Size to fit flask	Cone Size to fit Condenser	Pack of	Price / Piece
031.202.01	14/23	14/23	1	740
031.202.02	19/26	19/26	1	740
031.202.03	24/29	19/26	1	770
031.202.04	24/29	24/29	1	955
031.202.05	29/32	29/32	1	1025

Adapter, Splash Heads, Sloping

- With Drip Tip 75°
- Pear Shape

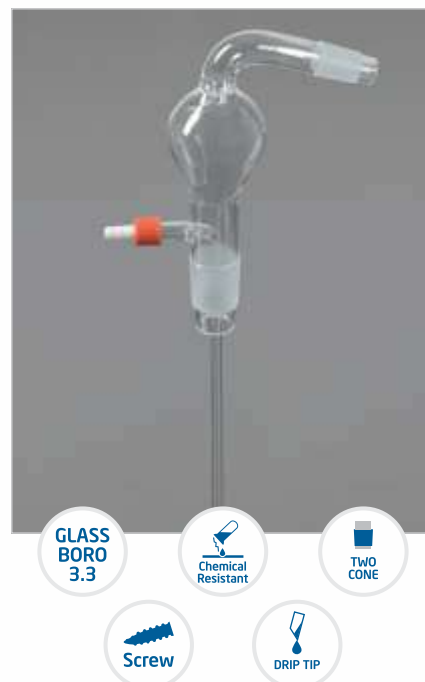
Item Code	Cone Size to fit flask	Cone Size to fit Condenser	Pack of	Price / Piece
032.202.01	14/23	14/23	1	705
032.202.02	19/26	19/26	1	700
032.202.03	24/29	19/26	1	740
032.202.04	24/29	24/29	1	800
032.202.05	29/32	29/32	1	830



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	Price / Piece
033.202.01	24/29	19/26	1	1025
033.202.02	34/35	19/26	1	1270
033.202.03	34/35	24/29	1	1310



Adapters

Adapter, Splash Head, Rotary Evaporator

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



Item Code	Cap. (ml)	Socket Size	Cone Size	Pack of	Price / Piece
030.275.06	150	29/32	19/26	1	920
030.275.06A	150	29/32	24/29	1	945
030.275.06B	150	29/32	29/32	1	975

ASTM Sizes

Item Code	Cap. (ml)	Socket Size	Cone Size	Pack of	Price / Piece
030.475.02	250	24/40	24/40	1	1625
030.475.04A	100	24/40	24/40	1	920
030.475.01A	250	24/40	14/20	1	1585
030.475.04	100	24/40	14/20	1	890

Adapter, Splash Head, Rotary Evaporator, Anti-climb

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



Item Code	Cap. (ml)	Socket Size	Cone Size	Pack of	Price / Piece
030.276.03	150	29/32	19/26	1	920
030.276.03A	150	29/32	24/29	1	945
030.276.03B	150	29/32	29/32	1	975

ASTM Sizes

Item Code	Cap. (ml)	Socket Size	Cone Size	Pack of	Price / Piece
030.476.02	250	24/40	24/40	1	1625

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	Price /Piece
030.480.02A	250	24/40	24/40	1	1625



Adapter, Cone

- With Glass stopcock
- With Drip Tip

Item Code	Cone Size	Stopcock Bore	Angle	Pack of	Price / Piece
034.202.01	14/23	2.5	Right Angle	1	1325
034.202.02	19/26	2.5	Right Angle	1	1380
034.202.03	24/29	2.5	Right Angle	1	1435
034.202.04	29/32	2.5	Right Angle	1	1825
034.260.01	14/23	2.5	Straight	1	1325
034.260.02	19/26	2.5	Straight	1	1380
034.260.03	24/29	2.5	Straight	1	1435
034.260.04	29/32	2.5	Straight	1	1825

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



Adapters

Adapter, Socket, with Glass stopcock



Item Code	Socket Size	Stopcock Bore	Pack of	Price / Piece
035.202.01	14/23	2.5	1	1325
035.202.02	19/26	2.5	1	1380
035.202.03	24/29	2.5	1	1435
035.202.04	29/32	2.5	1	1815

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



Adapter, Vacuum with ASTM Sizes

- With Teflon Stopcock
- At 90°



Item Code	Cone Size	Pack of	Price / Piece
034.470.02	19/22	1	1365



Adapter, Vacuum

- With Teflon Stopcock
- Straight

Item Code	Cone Size	Pack of	Price /Piece
034.470.01J	14/20	1	1365
034.470.03J	24/40	1	1380



Adapter, Flushing

- With 2mm T-bore PTFE stopcock

Item Code	Cone Size	Pack of	Price /Piece
048.202.01	24/40	1	1410



Adapters

Adapter, Stopcock, Socket

- With Rotaflow PTFE stopcock providing fine flow control and positive closure
- Detachable plastic screw thread connectors allows hose etc
- To be fitted easily and safely

Item Code	Socket Size	Bore Size (mm)	Pack of	Price / Piece
035.212.01	14/23	3.0	1	630
035.212.02	19/26	3.0	1	660
035.212.03	24/29	3.0	1	690



Adapter, Stopcock, T-shape, Cone

- Made from ASTM E-438, Type-1, Class-A, Boro 3.3 glass
- With Rotaflow PTFE stopcock providing fine flow control and positive closure
- Detachable plastic screw thread connectors allows hose etc. to be fitted easily and safely

Item Code	Cone Size	Bore Size (mm)	Pack of	Price / Piece
046.212.01	14/23	3.0	1	630
046.212.02	19/26	3.0	1	660
046.212.03	24/29	3.0	1	690



Adapter, Cone with Rubber Tubing

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

Item Code	Cone Size	Pack of	Price / Piece
036.202.01	14/23	1	230
036.202.02	19/26	1	270
036.202.03	24/29	1	310
036.202.04	29/32	1	430

ASTM Sizes

Item Code	Cone Size	Pack of	Price / Piece
036.475.01S	14/20	1	260
036.475.03S	24/40	1	345



Adapter, Vacuum/Argon (Nitrogen), Straight

- Hose connection at top and male joint

Item Code	Cone Size	Pack of	Price / Piece
020.475.01	14/20	1	330
020.475.03	24/40	1	375



Adapters



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

Item Code	Cone Size	Pack of	Price /Piece
036.471.01	14/20	1	715
036.471.04A	24/40	1	885



Adapter, Cone with Stem to Rubber Tubing

- Right angle connection for attachment of rubber hose

Item Code	Cone Size	Pack of	Price / Piece
037.202.01	14/23	1	340
037.202.02	19/26	1	395
037.202.03	24/29	1	435
037.202.04	29/32	1	525

Adapter, Tubing Straight

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

Item Code	Socket Size	Pack of	Price / Piece
038.202.01	14/23	1	240
038.202.02	19/26	1	275
038.202.03	24/29	1	295
038.202.04	29/32	1	355

ASTM Sizes

- Without Hooks

Item Code	Socket Size	Pack of	Price / Piece
020.470.01	14/20	1	245
020.470.03	24/40	1	310



Adapter, Socket to cone

- With side arm & screw thread for attachment of rubber hose
- Socket at top & cone at bottom

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
039.202.01	14/23	14/23	1	315
039.202.02	14/23	19/26	1	330
039.202.03	14/23	24/29	1	405
039.202.04	14/23	29/32	1	475
039.202.05	19/26	19/26	1	390
039.202.06	19/26	24/29	1	430
039.202.07	19/26	29/32	1	495
039.202.08	24/29	24/29	1	470
039.202.09	24/29	29/32	1	570
039.202.10	29/32	29/32	1	655



Adapters

Adapter, Vaccum or Gas 90°

- Hose connection on the side and a male joint



GLASS
BORO
3.3

Chemical
Resistant

ONE
CONE

Item Code	Cone Size	Pack of	Price / Piece
341.470.02	14/20	1	325
341.470.03	19/22	1	335
341.470.05A	24/40	1	365
341.470.05	29/42	1	405
341.470.04	35/20	1	440

Adapter, Vaccum or Gas 90°

- 2 Sides Hose connection and a male joint



GLASS
BORO
3.3

Chemical
Resistant

ONE
CONE

Item Code	Cone Size	Pack of	Price / Piece
046.202.04	24/40	1	440

Adapter, Drying Tube

• A drying tube or guard tube is a tube-like piece of apparatus used to house a disposable solid desiccant, where in at one end the tube-like structure terminates in a ground glass joint for use in connecting the drying tube to a reaction vessel, for the purpose of keeping the vessel free of moisture.

Item Code	Cone Size	Pack of	Price / Piece
041.202.01	14/23	10	265
041.202.02	19/26	10	325
041.202.03	24/29	10	365
041.202.04	29/32	10	445

ASTM Sizes

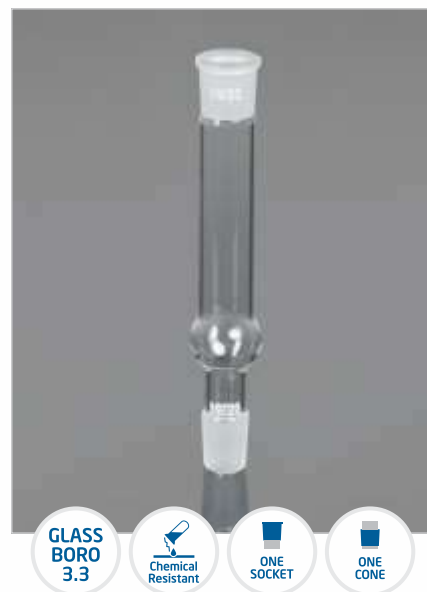
Item Code	Cone Size	Pack of	Price / Piece
041.471.01	14/20	1	280
041.471.03	24/40	1	395



Adapter, Drying Tube Straight

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

Item Code	Socket Size	Cone Size	Pack of	Price / Piece
041.470.02	19/22	19/22	1	515



Adapters

Adapter, for Pocket Thermometer

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



Item Code	Cone Size	Approx Stem Length (mm)	Pack of	Price / Piece
042.202.01	14/23	45	10	455
042.202.02	19/26	45	10	540
042.202.03	24/29	45	10	615

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



Item Code	Cone	Pack of	Price / Piece
044.202.01	14/23	10	255
044.202.02	19/26	10	285
044.202.03	24/29	10	315
044.202.04	29/32	10	455

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	Price / Piece
056.202.01	14/23	6	10	330
056.202.02	19/26	6	10	330
056.202.03	24/29	6	10	385
056.202.04	29/32	6	10	500

ASTM Sizes

Item Code	Cone Size	Pack of	Price / Piece
056.470.01A	14/20	1	360
056.470.02A	19/22	1	360
056.470.03A	24/40	1	415



Adapter, Thermometer with Hose Connection

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

Item Code	Cone Size	Pack of	Price / Piece
056.468.01	14/10	1	465



Adapters

Adapter, Inlet/Thermometer

- With a compression cap



Item Code	Cone Size	Pack of	Price /Piece
056.467.01	14/10	1	355

Adapter, Inlet

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



Item Code	Cone Size	Pack of	Price /Piece
036.472.01	14/20	1	350
036.472.02	19/22	1	385
036.472.03	24/40	1	415

For Socket: Non-Serrated in Natural Rubber

Item Code	Size	Pack of	Price / Pack
410.700.01	B - 14	10	470
410.700.02	B - 19	10	660
410.700.03	B - 24	10	780
410.700.04	B - 29	10	880

For Socket: Serrated in Natural Rubber

Item Code	Size	Pack of	Price / Pack
410.700.05	B - 14	10	470
410.700.06	B - 19	10	660
410.700.07	B - 24	10	820
410.700.08	B - 29	10	990



For Socket: Non-Serrated in Silicon Rubber

Item Code	Size	Pack of	Price / Pack
405.700.01	B - 14	10	840
405.700.02	B - 19	10	1170
405.700.03	B - 24	10	1360
405.700.04	B - 29	10	2140

For Socket: Serrated in Silicon Rubber

Item Code	Size	Pack of	Price / Pack
405.700.05	B - 14	10	840
405.700.06	B - 19	10	1170
405.700.07	B - 24	10	1360
405.700.08	B - 29	10	2140



Adapters

Turnover Flange Septa

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

For Test Tube: Non - Serrated in Natural Rubber

Item Code	Size	Pack of	Price / Pack
410.600.01	12	10	340
410.600.02	15	10	410
410.600.03	18	10	530
410.600.04	25	10	680

For Test Tube: Serrated in Natural Rubber

Item Code	Size	Pack of	Price / Pack
410.600.05	12	10	340
410.600.06	15	10	410
410.600.07	18	10	530
410.600.08	25	10	680

For Test Tube: Non - Serrated in Natural Rubber

Item Code	Size	Pack of	Price / Pack
405.600.01	12	10	500
405.600.02	15	10	630
405.600.03	18	10	880
405.600.04	25	10	1010

For Test Tube: Serrated in Natural Rubber

Item Code	Size	Pack of	Price / Pack
405.600.05	12	10	500
405.600.06	15	10	630
405.600.07	18	10	880
405.600.08	25	10	1010



Plastic Hose Connection

Item Code	Thread GL	Type	Pack of	Price / Piece
056.474.01	14	Straight	10	35

Screw Thread

- Polyethylene

Item Code	Thread GL	Pack of	Price / Piece
056.470.01	14	100	35



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

These beakers can be provided in Blue color printing. For ordering 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 convenience
- Highly resistant to chemical attack

Item Code	Capacity (ml)	Dia (mm)	Height (mm)	Pack of	Price / Piece
229.202.01	5	22	30	10	145
229.202.02	10	26	35	10	145
229.202.03	25	34	51	10	145
229.202.04	50	42	58	10	105
229.202.05	100	50	70	10	105
229.202.06	150	60	88	10	105
229.202.07	250	70	95	10	115
229.202.08	400	80	110	10	185
229.202.08A*	500	83	118	8	175
229.202.09	600	90	125	8	245
229.202.09A	800	100	135	6	360
229.202.10	1000	105	157	6	360
229.202.11	2000	132	185	4	735
229.202.13	3000	152	210	1	1980
229.202.14	5000	170	270	1	2910
229.202.15*	10000	220	350	1	9305

*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 attack

Item Code	Capacity (ml)	Graduation Interval (ml)	Graduation Range (ml)	Pack of	Price / Piece
229.402.02	10	-	-	12	150
229.402.03	20	5	5-15	12	150
229.402.03A	30	5	5-25	12	150
229.402.04	50	5	10-45	12	105
229.402.05	100	10	20-80	12	105
229.402.06	150	10	20-140	12	125
229.402.07	250	25	25-200	12	180
229.402.08	400	25	25-325	12	185
229.402.09	600	50	50-500	6	250
229.402.10	1000	50	50-1000	6	365
229.402.11	2000	100	200-1800	4	740
229.402.14	4000	250	250-3500	1	2270



Beakers



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	Price / Piece
229.235.07	250	25	25-200	12	245
229.235.08	400	25	25-325	12	320
229.235.09	600	50	50-500	6	375
229.235.10	1000	50	50-1000	6	720
229.235.11*	2000	100	200-1800	4	1215
229.235.14	4000	250	250-3500	1	4925

*Non ASTM Standards



Beaker, Tall form with spout

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

Item Code	Capacity (ml)	Dia (mm)	Height (mm)	Pack of	Price / Piece
230.202.02	50	38	70	10	180
230.202.03	100	48	80	10	185
230.202.04	150	54	95	10	195
230.202.05	250	60	120	10	185
230.202.06	400	70	130	10	250
230.202.07A*	500	75	142	8	255
230.202.07	600	80	150	8	395
230.202.08	1000	90	192	6	500

*Non DIN

Beaker, Tall form, Without Spout

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

Item Code	Capacity (ml)	Dia (mm)	Height (mm)	Pack of	Price / Piece
230.205.02	50	38	70	10	150
230.205.03	100	48	80	10	155
230.205.04	150	54	95	10	165
230.205.05	250	60	120	10	170
230.205.06	400	70	130	10	240
230.205.06AB*	500	75	142	8	245
230.205.07	600	80	150	8	320
230.205.08	1000	90	192	6	475

*Non DIN



Beaker, Tablet Disintegration

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

Item Code	Capacity (ml)	Dia (mm)	Height (mm)	Pack of	Price / Piece
230.209.08	1000	105	145	6	450



Beakers

Beaker, Euro Design

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



Item Code	Capacity (ml)	Pack of	Price / Pack
101.303.01	25	12	265
101.303.02	50	12	325
101.303.03	100	12	365
101.303.04	250	12	650
101.303.05	500	12	1005
101.303.06	1000	6	925
101.303.07	2000	6	1825
101.303.08	5000	2	1490

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



Item Code	Capacity (ml)	Pack of	Price / Pack
179.303.01	250	12	920
179.303.05	500	12	1510
179.303.06	1000	6	1495
179.303.07	2000	6	2245
179.303.08	3000	6	1655
179.303.09	5000	4	2655

Beaker, Tong, SS

- Made of stainless steel
- Silicon sleeve 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	Price / Pack
396.303.01	Beaker	250	Glass Fibre	500°C	4	1955
396.303.02	Beaker	300	Glass Fibre	500°C	4	2080
396.303.03	Beaker	250	Silicon	280°C	4	1640
396.303.04	Beaker	300	Silicon	280°C	4	1650



Beaker, Brush

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

Item Code	Type	Material	Pack of	Price / Pack
593.303.06	Beaker Brush	Nylon	50	5250



Bottles



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 complete bottles are autoclavable & can be sterilized
- These bottles are highly mechanically durable and chemical resistance

Item Code	Capacity (ml)	O.D. x Height (mm)	Screw Thread	Pack of	Price / Piece
274.205.00*	10**	36x50	GL-25	10	555
274.202.00B	25**	36x70	GL-25	10	370
274.202.00	50**	46x87	GL-32	10	455
274.202.00C	50	46x87	GL-45	10	470
274.202.01	100	56x100	GL-45	10	405
274.202.01B	150	60x120	GL-45	10	480
274.202.02	250	70x138	GL-45	10	410
274.202.03	500	86x176	GL-45	10	460
274.202.04	1000	101x225	GL-45	10	710
274.202.05	2000	136x260	GL-45	10	1255
274.202.06*	3000	158x295	GL-45	2	6390
274.202.07	5000	181x330	GL-45	1	7190
274.202.08	10000	227x410	GL-45	1	12115
274.202.09	20000	288x505	GL-45	1	22565

*Non DIN

** 10, 25 & 50ml without pouring rings



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 complete bottles are autoclavable & can be sterilize
- These bottles are highly mechanically durable and chemical resistance
- The uniform Amber colour is highly durable and chemical resistance
- These bottles are ideal for long term storage of light sensitive media & substance

Item Code	Capacity (ml)	O.D. x Height (mm)	Screw Thread	Pack of	Price / Piece
275.205.00*	10*	36x50	GL-32	10	685
275.202.00B	25*	36x70	GL-32	10	580
275.202.00	50*	46x87	GL-32	10	690
275.202.00C	50	46x87	GL-45	10	690
275.202.01	100	56x100	GL-45	10	705
275.202.02	250	70x138	GL-45	10	735
275.202.03	500	86x176	GL-45	10	880
275.202.04	1000	101x225	GL-45	10	1150
275.202.05	2000	136x260	GL-45	10	2165
275.202.06	3000	158x295	GL-45	1	11555
275.202.07	5000	183x330	GL-45	1	11905
275.202.08	10000	227x410	GL-45	1	17205
275.202.09	20000	288 x 505	GL-45	1	31100

*Non DIN

** 10, 25 & 50ml without pouring rings

Bottle, Reagent, Clear, Square Type, Wide Mouth, Graduated

- With DIN Thread
- With PP Screw cap (GL-80)

Item Code	Capacity (ml)	Approx B x W x H (mm)	Thread Specification Approx O.D. (mm)	Pack of	Price / Piece
274.209.03	500	94 x 94 x 141	GL-80	10	1185
274.209.04	1000	105 x 105 x 187	GL-80	10	1310
274.209.05	2000	115 x 115 x 260	GL-80	10	2055
274.209.07	5000	160 x 160 x 357	GL-80	10	12700

*Height including Cap.

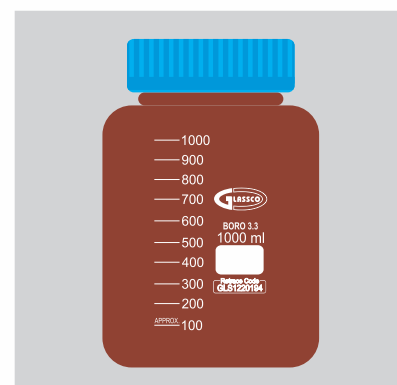


Bottle, Reagent, Amber, Square Type, Wide Mouth, Graduated

- With DIN Thread
- With PP Screw cap (GL-80)

Item Code	Capacity (ml)	Approx B x W x H (mm)	Thread Specification Approx O.D. (mm)	Pack of	Price / Piece
275.210.03	500	94 x 94 x 141	GL-80	10	1600
275.210.04	1000	105 x 105 x 187	GL-80	10	1770
275.210.05	2000	115 x 115 x 260	GL-80	10	2785
275.210.07	5000	160 x 160 x 357	GL-80	10	17140

*Height including Cap.



Bottle, HPLC Mobile Phase

- Complies with **USP TYPE 1 BORO 3.3 Glass**
- Conical bottom delivers all of solvent without reservoir tilting
- 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	Price / Piece
274.213.04	1000	GL-45	101 x 225	10	2605
274.213.05	2000	GL-45	136 x 260	10	4165



PP Safety Caps (HPLC)

- With filter valve
- Autoclavable upto 140°C

Item Code	Screw Thread	No of Port	Fitting & Plug	Pack of	Price / Piece
275.205.04	GL-45	1	Fitting 4 x Plug 4 x 1 Filter	4	3350
275.205.05	GL-45	2	Fitting 8 x Plug 8 x 1 Filter	4	3650
275.205.08	GL-45	3	Fitting 12 x Plug 12 x 1 Filter	4	3745
275.205.09	GL-45	4	Fitting 16 x Plug 16 x 1 Filter	4	3800
275.205.10	GL-45	5	Fitting 20 x Plug 20 x 1 Filter	4	3850
275.506.01	Filter Valve	-	Fitting 4 x Plug 4 x 1 Filter	4	3650



Bottles

Bottle, Screw Cap

- Made from Polypropylene
- Autoclavable upto 140° C



Available in Different colours



Item Code	Colour Description	Thread Specification	Pack of	Price / Piece
275.205.01	Blue	GL 45	10	95
275.205.01O	Orange	GL 45	10	105
275.205.01Y	Yellow	GL 45	10	105
275.205.01G	Green	GL 45	10	105
275.205.01E	Grey	GL 45	10	105
275.205.01W	White	GL 45	10	105
275.205.01B	Black	GL 45	10	105
275.205.01R	Red	GL 45	10	105
275.205.01AB	Blue	GL 80	10	180

Item Code	Colour Description	Thread Specification	Pack of	Price / Piece
275.205.03	Blue	GL 25	10	50
275.205.03O	Orange	GL 25	10	50
275.205.03Y	Yellow	GL 25	10	50
275.205.03G	Green	GL 25	10	50
275.205.03E	Grey	GL 25	10	50
275.205.03W	White	GL 25	10	50
275.205.03B	Black	GL 25	10	50
275.205.03R	Red	GL 25	10	50

Bottle, Pouring Ring, Blue Colour

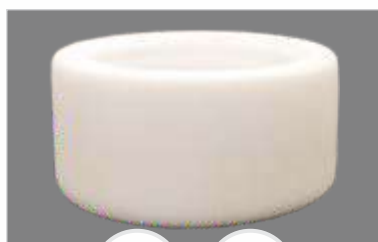
- Made from Polypropylene
- Autoclavable upto 140° C



Item Code	Colour Description	Thread Specification	Pack of	Price / Piece
275.205.02	Blue	GL 45	10	40
275.205.02B	Black	GL 45	10	30
275.205.02E	Grey	GL 45	10	30
275.205.02G	Green	GL 45	10	30
275.205.02O	Orange	GL 45	10	30
275.205.02R	Red	GL 45	10	30
275.205.02W	White	GL 45	10	30
275.205.02Y	Yellow	GL 45	10	30
275.205.02AB	Blue	GL 80	10	75

Teflon Pouring Ring for Bottle, White Colour

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



Item Code	Colour Description	Thread Specification	Pack of	Price / Piece
275.207.01	White	GL 45	10	145

Screw Cap, for Reagent Bottle

- Made from PTFE (Teflon)
- Autoclavable

Item Code	Colour Description	Thread Specification	Pack of	Price / Piece
275.204.01	White	GL 45	10	965

Bottle, Reagent Narrow Mouth, Clear

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

Item Code	Capacity (ml)	O.D. x Height (mm)	N/S	Pack of	Price / Piece
272.276.01	30	36x78	14/23	10	415
272.276.02	60	45x90	14/23	10	440
272.276.02A	100*	54x98	14/23	10	490
272.276.03	125	56x115	19/26	10	435
272.276.04	250	70x142	19/26	10	485
272.276.05	500	86x180	24/29	10	490
272.276.06	1000	101x230	29/32	10	850
272.276.07	2000	136x260	29/32	10	1445

* DIN/ISO



Bottle, Reagent Narrow Mouth, Amber

- Complies with **DIN/ISO 4796-2**
- Made from **ASTM 438** TYPE 1 BORO 3.3 GLASS
- These bottles comes with ground 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

Item Code	Capacity (ml)	O.D. x Height (mm)	N/S	Pack of	Price / Piece
273.276.01	30	36x78	14/23	10	575
273.276.02	60	44x90	14/23	10	620
273.276.02A	100*	54x98	14/23	10	685
273.276.03	125	56x115	19/26	10	665
273.276.04	250	70x142	19/26	10	840
273.276.05	500	86x180	24/29	10	980
273.276.06	1000	101x230	29/32	10	1205
273.276.07	2000	136x260	29/32	10	2280

* DIN/ISO



Bottles



Bottle, Reagent, Narrow mouth

- Made from ASTM E-438, TYPE-1, CLASS-A, BORO 3.3 GLASS
- These bottles come with pressed flat stopper

Item Code	Capacity ml	Stopper No.	Pack of	Price / Piece
272.207.03A	125	19	1	425
272.207.04	250	19	1	475
272.207.05	500	24	1	500
272.207.06	1000	29	1	785
272.207.07	2000	29	1	1475



Bottle, Tooled Neck, Plain

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

Item Code	Capacity ml	Dia (mm)	Height (mm)	Pack of	Price / Piece
282.202.02	250	70	140	10	470
282.202.06	500	86	180	10	510
282.202.07	1000	101	230	10	805
282.202.08	2000	136	285	10	1355
282.202.09	3000	158	295	1	6460
282.202.10	5000	183	330	1	8315
282.202.11	10000	235	430	1	14180
282.202.12	20000	299	530	1	23460

Bottle, Tooled Neck, Amber

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

Item Code	Capacity ml	Dia (mm)	Height (mm)	Pack of	Price / Piece
282.279.04	250	70	140	10	860
282.279.06	500	86	180	10	910
282.279.07	1000	101	230	10	1315
282.279.08	2000	136	285	10	2285
282.279.09	3000	158	295	1	9800
282.279.10	5000	183	330	1	10950
282.279.11	10000	235	430	1	19350
282.279.12	20000	299	530	1	31080



Bottle, Aspirator, with GL 45 Cap with Tubulation

- Complies with **DIN/ISO 4796-3**
- Made From Heat Resistant Boro 3.3 Glass
- These bottles comes with autoclavable PP Screw caps & pouring rings
- These bottles have durable large white colour enamel marking area

Item Code	Capacity ml	Approx. O.D. x Height*(mm)	Thread Specification	Pack of	Price / Piece
280.205.05	250**	70 x 140	GL 45	1	500
280.205.06	500**	86 x 176	GL 45	1	580
280.205.07	1000	101 x 225	GL 45	1	1025
280.205.08	2000	136 x 260	GL 45	1	1635
280.205.10	5000	181 x 330	GL 45	1	9340
280.205.11	10000	235 x 410	GL 45	1	15905
280.205.12	20000	296 x 505	GL 45	1	28840

**Not covered in ISO / DIN standards.

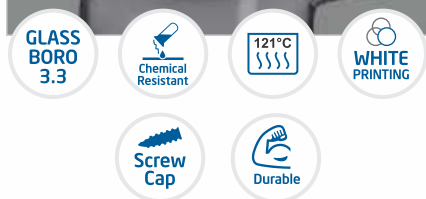
*Height indicated is of Bottle only



Bottles

Bottle, Aspirator, with GL 45 Cap with socket

- Complies with **DIN/ISO 4796-3**
- Made From Heat Resistant
- These bottles comes with autoclavable PP Screw caps & pouring rings
- These bottles have durable large white colour 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	Price / Piece
280.202.07	1000	101 x 225	GL 45	24 / 29	1	1270
280.202.08	2000	136 x 260	GL 45	29 / 32	1	1815
280.202.11	5000	181 x 323	GL 45	29 / 32	1	10560
280.202.12	10000	235 x 405	GL 45	29 / 32	1	14940
280.202.13	20000	296 x 500	GL 45	29 / 32	1	25795

*Height indicated of Bottle only

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	Price / Piece
281.202.07	1000	101 x 225	GL 45	24 / 29	1	3530
281.202.08	2000	136 x 260	GL 45	29 / 32	1	4130
281.202.11	5000	181 X 330	GL 45	29 / 32	1	13895
281.202.12	10000	227 X 410	GL 45	29 / 32	1	19335
281.202.13	20000	288 X 505	GL 45	29 / 32	1	28505

*Height indicated of Bottle only

Bottle, Dropping

- Made From chemical Resistant glass & Heat Resistance 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	Price / Piece
279.202.01	270	30	36x78	10	385
279.202.02	360	60	45x90	10	515
279.202.03	380	120	56x116	10	545
279.202.04	510	250	70x128	10	730



GLASS BORO 3.3

Chemical Resistant

WHITE PRINTING

Bottle, Amber, Dropping

- Made From chemical Resistant amber glass & Heat Resistance 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	Price / Piece
279.229.01	270	30	36x78	10	610
279.229.02	360	60	45x90	10	845
279.229.03	380	120	56x116	10	895
279.229.04	510	250	70x128	10	1175



GLASS BORO 3.3

Chemical Resistant

WHITE PRINTING

Mac-Cartney Bottles

- Complete with Aluminium Cap Manufactured from Soda Glass

Item Code	Capacity ml	Pack of	Price / Piece
283.202.01	15	100	55
283.202.02	30	100	60



Chemical Resistant

Iron Soda Glass

Bottles



Bottle, Gas Washing

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

Item Code	Capacity (ml)	Joint Size	Pack of	Price / Piece
286.202.04	100	29/32	2	1300
286.202.01B*	125	29/32	2	1290
286.202.05	250	29/32	2	1415
286.202.06	500	29/32	2	1730

*Non DIN



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 resistance Boro 3.3 Glass

Item Code	Capacity (ml)	Joint Size	Pack of	Price / Piece
285.202.04	100	29/32	1	785
285.202.01B*	125	29/32	1	785
285.202.05	250	29/32	1	835
285.202.06	500	29/32	1	955

*Non DIN



Complete Gas Washing Bottle with Head

- Complies with DIN 12596, 12463
- Complete Interchangeable joints

Item Code	Capacity (ml)	Joint Size	Pack of	Price / Piece
285.406.01*	125	29/32	1	1485
285.406.02	250	29/32	1	1575
285.406.03	500	29/32	1	1825

*Non standards

Bottle, Head, Sintered wash

- Complies DIN 12596

Item Code	Capacity ml	Joint Size	Pack of	Price / Piece
287.202.06	100	29/32	1	775
287.202.06A*	125	29/32	1	775
287.202.07	250	29/32	1	805
287.202.08	500	29/32	1	915

* Non DIN



Bottle, Weighing

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

Item Code	O.D. x Ht. (mm)	Form	Capacity ml	Pack of	Price / Piece
264.202.01	40x30	Squat Form	15	10	575
264.202.02	50x25	Squat Form	20	10	600
264.202.03	50x35	Squat Form	35	10	600
264.202.04	50x50	Squat Form	50	10	825
264.202.05	60x30	Squat Form	30	10	960
264.202.05A	60x40	Squat Form	40	10	975
264.202.06	20x40	Tall Form	5	10	325
264.202.07	25x50	Tall Form	15	10	345
264.202.08	30x60	Tall Form	25	10	405
264.202.09	40x80	Tall Form	60	10	590

Item Code	I.D. x Ht. (ml)	Neck Size	Form	Capacity ml	Pack of	Price / Piece
264.402.03	50x30	50/12	Squat Form	35	10	750
264.402.05	60x30	60/12	Squat Form	50	10	1115
264.402.07	70x33	71/15	Squat Form	82	10	1725
264.407.01	15x50	14/10	Tall Form	7	10	250
264.407.02	25x40	24/12	Tall Form	12	10	335
264.407.02A	25x50	24/12	Tall Form	16	10	380
264.407.03	30x60	29/12	Tall Form	30	10	475
264.407.05	40x50	40/12	Tall Form	45	10	590
264.407.05A	40x80	40/12	Tall Form	70	10	725
264.407.07	50x60	50/12	Tall Form	85	10	865



Bottles



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Bottle, Wash

- 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	Price / Piece
285.502.02	250	225	24/29	1	935
285.502.03	500	280	24/29	1	1180
285.502.04	1000	315	29/32	1	1450



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Head for Wash Bottles

Item Code	Capacity ml	Size of I/C Stopper	Pack Size	Price / Piece
287.502.02	250	24/29	1	620
287.502.03	500	24/29	1	660
287.502.04	1000	29/32	1	690



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Bottle, Only For Wash Bottle

- 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	Price / Piece
289.202.02	250	135	24/29	1	575
289.202.03	500	175	24/29	1	910
289.202.04	1000	205	29/32	1	1220

Pycnometers to Gay - Lussac, Calibrated at 27°C, Class-A

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

Item Code Class A	Capacity (ml)	Tolerance (± ml)	Pack of	Price / Piece
268.523.01	10	0.3	1	1240
268.523.02	25	0.8	1	1445
268.523.03	50	1	1	1540
268.523.04	100	3	1	1705



Pycnometers to Gay - Lussac, Calibrated at 27°C, with Teflon stopper, Class B

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

Item Code Class B	Capacity (ml)	Tolerance (± ml)	Pack of	Price / Piece
269.502.01	10	0.3	2	575
269.502.02	25	0.8	2	635
269.502.03	50	1	2	685
269.502.04	100	3	2	770



Bottles

BOD Bottles for incubating diluted samples of clean water, waster water, effluent water and polluted water during the 5 day biochemical oxygen demand (BOD) test. These BOD bottles feature a flared mouth to form a water seal to prevent the ingress of air 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 unnumbered version and also in penny head or robotic stopper.



Item Code	Capacity (ml)	Number Sequence	Stopper (Glass Type)	Pack of	Price / Piece
284.456.01	60	Unnumbered	Pennyhead	1	550
284.451.01A	60	1-36	Pennyhead	36	550
284.451.01B	60	37-72	Pennyhead	36	550
284.451.01C	60	73-108	Pennyhead	36	550
284.456.03	125	Unnumbered	Pennyhead	1	685
284.456.02	300	Unnumbered	Pennyhead	1	785
284.456.02R	Bar-Coded, 300	1-24	Pennyhead	24	665
284.456.02A	Bar-Coded, 300	25-48	Pennyhead	24	825
284.456.02B	Bar-Coded, 300	49-72	Pennyhead	24	825
284.456.02C	Bar-Coded, 300	73-96	Pennyhead	24	825
284.456.02D	Bar-Coded, 300	97-120	Pennyhead	24	825
284.456.02E	Bar-Coded, 300	121-144	Pennyhead	24	825
284.456.02F	Bar-Coded, 300	145-168	Pennyhead	24	825
284.456.02G	Bar-Coded, 300	169-192	Pennyhead	24	825
284.456.02H	Bar-Coded, 300	193-216	Pennyhead	24	825
284.456.02I	Bar-Coded, 300	217-240	Pennyhead	24	825
284.456.02J	Bar-Coded, 300	241-264	Pennyhead	24	825
284.456.02K	Bar-Coded, 300	265-288	Pennyhead	24	825
284.456.02L	Bar-Coded, 300	289-312	Pennyhead	24	825
284.456.02M	Bar-Coded, 300	313-336	Pennyhead	24	825
284.456.02N	Bar-Coded, 300	337-360	Pennyhead	24	825
284.456.02O	Bar-Coded, 300	361-384	Pennyhead	24	825
284.456.02P	Bar-Coded, 300	385-408	Pennyhead	24	825
284.456.02Q	Bar-Coded, 300	409-432	Pennyhead	24	825



Item Code	Capacity (ml)	Number Sequence	Stopper (Glass Type)	Pack of	Price / Piece
284.453.01	60	Unnumbered	Robotic	1	435
284.453.01A	60	1-36	Robotic	36	550
284.453.01B	60	37-72	Robotic	36	550
284.453.01C	60	73-108	Robotic	36	550
284.455.02	300	Unnumbered	Robotic	1	665
284.455.02A	Bar-Coded, 300	1-24	Robotic	24	825
284.455.02B	Bar-Coded, 300	25-48	Robotic	24	825
284.455.02C	Bar-Coded, 300	49-72	Robotic	24	825
284.455.02D	Bar-Coded, 300	73-96	Robotic	24	825
284.455.02E	Bar-Coded, 300	97-120	Robotic	24	825
284.455.02F	Bar-Coded, 300	121-144	Robotic	24	825
284.455.02G	Bar-Coded, 300	145-168	Robotic	24	825
284.455.02H	Bar-Coded, 300	169-192	Robotic	24	825
284.455.02I	Bar-Coded, 300	193-216	Robotic	24	825
284.455.02J	Bar-Coded, 300	217-240	Robotic	24	825
284.455.02K	Bar-Coded, 300	241-264	Robotic	24	825
284.455.02L	Bar-Coded, 300	265-288	Robotic	24	825
284.455.02M	Bar-Coded, 300	289-312	Robotic	24	825
284.455.02N	Bar-Coded, 300	313-336	Robotic	24	825
284.455.02O	Bar-Coded, 300	337-360	Robotic	24	825
284.455.02P	Bar-Coded, 300	361-384	Robotic	24	825
284.455.02Q	Bar-Coded, 300	385-408	Robotic	24	825
284.455.02R	Bar-Coded, 300	409-432	Robotic	24	825

Bottle, Culture, (Roux) Off-Set Neck

- These bottles are ideal for growing various type of cultures
- These bottles withstand multiple autoclave & sterilization
- The neck of these bottles is tool finished for greater strength

Item Code	Capacity (ml)	Approx. BxWxH (mm)	Approx. Neck I.D.(mm)	Pack of	Price / Piece
288.202.07	1000	126 x 56 x 265	26	2	2240



Bottle, Brush

Item Code	Type	Material	Pack of	Price /Pack
593.303.01	Bottles Brush	Nylon	50	4650



Bottle, Wash Bottles (New Type)

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



Item Code	Capacity (ml)	Pack of	Price /Pack
110.303.03	125	12	635
110.303.01	250	12	980
110.303.02	500	12	1140



“SAFE - HANDLE”

Safety Jar for Glass Bottles

Glass bottles are clean, dependable containers for liquid but they can present a serious safety hazard when broken. By containing liquid spills and broken glass, the “Safe-Handle” protects people and property from glass shards and exposure to flammable or hazardous liquid

Designed For Safety:

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



6 Easy steps to greater lab safety.



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



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



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



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.



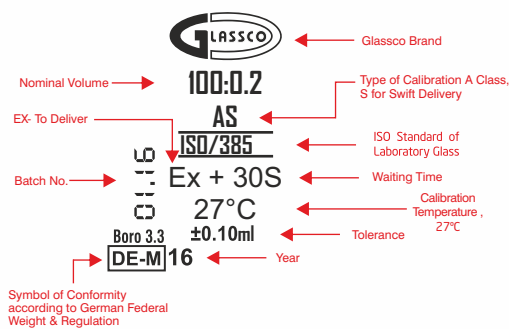
Step 3.
Lower the Safe-Handle top over the neck of the bottle. Line up the indicator arrows to ensure assembly.



Step 6.
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 direction until the lugs are disengaged. Remove the top from the bottom.

Item Code	Description	Pack of	Price /Piece
215.202.01	Safety Jar for European 2.5 Ltr Glass Bottle	1	2705

Burettes



Glassco Burettes are manufactured from **ASTM E-438 TYPE 1 CLASS A BORO 3.3** heat resistant glass which meet **DIN ISO 385 and USP standards**. Each and every piece is calibrated to deliver **(TD, EX) 27° C**.

All 'A' CLASS burettes are manufactured from precision bore tubing for accuracy.

The Burettes are calibrated on computer controlled machines to give the most accurate results and then are rechecked on the quality control centre.

The Burettes made in 'A' class come with individual work certificate.

All 'A' Class burettes are printed in blue colour.

The individual work certificate are packed with each piece, however it can also be downloaded through our website www.glasscolabs.com

The Burettes come with 3 different kind of stopcocks **Glass Stopcock, PTFE Needle Valve Stopcock & PTFE Key Stopcock**.



Burette, with glass stopcock Class A

- Complies with **DIN ISO 385/IS 1997: 2008**
- Comes with individual works certificate in clear glass
- Printed in blue colour

Item Code Class A	Cap. (ml)	Division	Tolerance (±ml)	Pack of	Price /Piece
111.523.01	10	0.05	0.03	1	2515
111.523.02	25	0.1	0.05	1	2545
111.523.03	50	0.1	0.05	1	2890
111.523.04	100	0.2	0.1	1	4140

Burette, with glass stopcock, Class A

- Complies with **DIN ISO 385/IS 1997: 2008**
- **NABL** certified
- Comes with individual works certificate in Clear glass
- Printed in blue colour



Item Code Class A NABL	Cap. (ml)	Division	Tolerance (±ml)	Pack of	Price /Piece
111.505.01	10	0.05	0.03	1	4630
111.505.02	25	0.1	0.05	1	4735
111.505.03	50	0.1	0.05	1	5420
111.505.04	100	0.2	0.1	1	7720

Burette, with glass stopcock, Class B

- Complies with **DIN ISO 385/IS 1997: 2008**
- In clear glass
- Printed in blue colour

Item Code Class B	Cap. (ml)	Division	Tolerance (±ml)	Pack of	Price /Piece
110.522.01	10	0.05	0.05	1	845
110.522.02	25	0.1	0.1	1	825
110.522.03	50	0.1	0.1	1	890
110.522.04	100	0.2	0.20	1	1240

Burette, with Boroflow stopcock, Class A

- Complies with **DIN ISO 385/IS 1997 :2008**
- Comes with Individual Work Certificate in clear Glass
- Printed in blue colour

Item Code Class A	Cap. (ml)	Division	Tolerance (±ml)	Pack of	Price / Piece
113.523.01	10	0.05	0.03	1	2270
113.523.02	25	0.1	0.05	1	2340
113.523.03	50	0.1	0.05	1	2680
113.523.04	100	0.2	0.1	1	3755

Burette, with Boroflow stopcock, Class A

- Complies with **DIN ISO 385**
- **NABL** Certified
- Comes with individual works Certificate
- Printed in blue colour



Item Code Class NABL	Cap. (ml)	Division	Tolerance (±ml)	Pack of	Price / Piece
113.505.01	10	0.05	0.03	1	4475
113.505.02	25	0.1	0.05	1	4650
113.505.03	50	0.1	0.05	1	5285
113.505.04	100	0.2	0.1	1	7305

Burette, with Boroflow stopcock, Class B

- Complies with **DIN ISO 385**
- Printed in blue colour

Item Code Class B	Cap. (ml)	Division	Tolerance (±ml)	Pack of	Price / Piece
112.522.01	10	0.05	0.05	1	740
112.522.02	25	0.1	0.1	1	695
112.522.03	50	0.1	0.1	1	780
112.522.04	100	0.2	0.2	1	1165

Burette, Amber with Boroflow stopcock, Class A

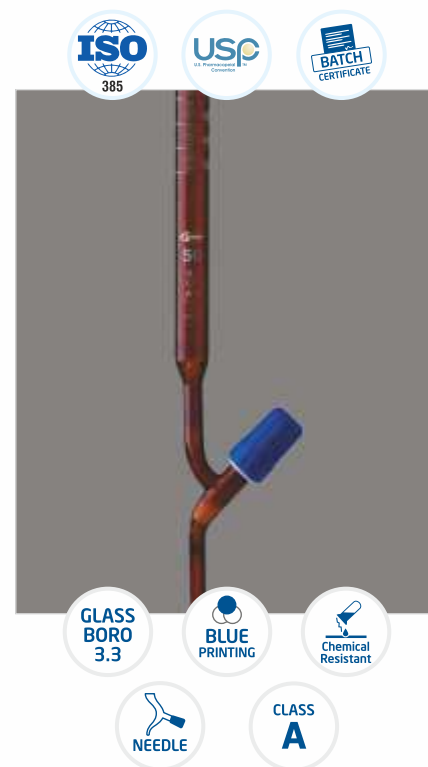
- Complies with **DIN ISO 385/IS 1997 :2008**
- Comes with Individual Work Certificate in Amber Glass

Item Code Class A	Cap. (ml)	Division	Tolerance (±ml)	Pack of	Price / Piece
113.524.02A	25	0.1	0.05	1	3830
113.524.03A	50	0.1	0.05	1	4325

Burette, Amber with Boroflow stopcock, Class B

- Complies with **DIN ISO 385** standards

Item Code Class B	Cap. (ml)	Division	Tolerance (±ml)	Pack of	Price / Piece
112.522.02A	25	0.1	0.1	1	1120
112.522.03A	50	0.1	0.1	1	1230



Burettes



Burette, With PTFE key stopcock, Class A

- Complies with DIN ISO 385/IS 1997 : 2008
- Comes with Individual Work Certificate clear Glass
- Printed in blue colour

Item Code Class A	Cap. (ml)	Division	Tolerance (\pm ml)	Pack of	Price / Piece
115.523.01	10	0.05	0.03	1	2510
115.523.02	25	0.1	0.05	1	2570
115.523.03	50	0.1	0.05	1	2780
115.523.04	100	0.2	0.1	1	3810

Burette, With PTFE key stopcock Class A

- Complies with DIN ISO 385/IS 1997 : 2008
- NABL Certified
- Comes with Individual Work Certificate in clear Glass
- Printed in blue colour



Item Code Class A	Cap. (ml)	Division	Tolerance (\pm ml)	Pack of	Price / Piece
115.505.01	10	0.05	0.03	1	4615
115.505.02	25	0.1	0.05	1	4925
115.505.03	50	0.1	0.05	1	5515
115.505.04	100	0.2	0.1	1	7105

Burette, With PTFE key stopcock Class B

- Complies with DIN ISO 385/IS 1997 : 2008
- Comes with Individual Work Certificate clear Glass
- Printed in blue colour

Item Code Class B	Cap. (ml)	Division	Tolerance (\pm ml)	Pack of	Price / Piece
114.522.01	10	0.05	0.05	1	1040
114.522.02	25	0.1	0.10	1	1045
114.522.03	50	0.1	0.10	1	1085



ASTM-Burettes

Burette, with PTFE Key Stopcock, Class A

- Calibrated at 20°C
- Complies with ASTM E 287 Specifications.
- Individual work certificate

Item Code Class A	Cap. (ml)	Division	Tolerance (\pm ml)	Pack of	Price / Piece
115.451.01	10	0.05	0.02	1	2555
115.451.02	25	0.1	0.03	1	2655
115.451.03	50	0.1	0.05	1	2920
115.451.04	100	0.2	0.1	1	3910

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	Price / Pack
112.303.01	Fisher Clamp - Single	12	1955
112.303.02	Fisher Clamp - Double	6	1385



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	Price / Pack
394.303.01	Single	12	9240
394.303.02	Double	6	4090



Burettes

Burette, Clamp, Mild Steel

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



MS



Item Code	Type	Max. Temp.	Pack of	Price / Pack
318.303.01	PVC Sleeve	80°C	12	4125
318.303.02	Silicon Sleeve	280°C	12	4080

Burette, Clamp, Mild Steel

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



MS



Item Code	Type	Max. Temp.	Pack of	Price / Pack
319.303.01	PVC Sleeve	80°C	12	3765
319.303.02	Silicon Sleeve	280°C	12	3685

Burette, Clamp, Mild Steel

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

Item Code	Type	Max. Temp.	Pack of	Price / Pack
320.303.01	PVC Sleeve	80°C	6	3055
320.303.02	Silicon Sleeve	280°C	6	3030



MS



Burette, Clamp, Mild Steel

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

Item Code	Type	Max. Temp.	Pack of	Price / Pack
321.303.01	PVC Sleeve	80°C	6	2940
321.303.02	Silicon Sleeve	280°C	6	2920



MS



Burettes



Burette, Automatic Zero with Boroflow Stopcock,

- Complies with **DIN ISO 385 standard Class-A**
- Comes with Individual Works Certificate
- With **detachable stopcock** prevents breakage during usage

Item Code Class A	Cap. (ml)	Division	Tolerance (\pm ml)	Bottle Cap. (ml)	Pack of	Price / Piece
120.523.01	10	0.05	0.03	500	1	9385
120.523.02	25	0.1	0.05	2000	1	9060
120.523.03	50	0.1	0.05	2000	1	10055
120.523.04	100	0.2	0.10	2000	1	11435

Burette, Automatic Zero with Boroflow Stopcock,

- Complies with **DIN ISO 385 standard Class-B**

Item Code Class B	Cap. (ml)	Division	Tolerance (\pm ml)	Bottle Cap. (ml)	Pack of	Price / Piece
118.522.01	10	0.05	0.05	500	1	6130
118.522.02	25	0.1	0.1	2000	1	5975
118.522.03	50	0.1	0.1	2000	1	6545
118.522.04	100	0.2	0.2	2000	1	7510



Burette, Automatic Zero, Amber, With Boroflow Stopcock,

- Complies with **DIN ISO 385 standard Class-A**
- Comes with Individual Works Certificate
- With detachable stopcock stopper

Item Code Class A	Cap. (ml)	Division	Tolerance (\pm ml)	Bottle Cap. (ml)	Pack of	Price / Piece
120.523.01A	10	0.05	0.03	500	1	20080
120.523.02A	25	0.1	0.05	2000	1	21150
120.523.03A	50	0.1	0.05	2000	1	23175
120.523.04A	100	0.2	0.10	2000	1	24010

Burette, Automatic Zero, Amber, With Boroflow Stopcock,

- Complies with **DIN ISO 385 standard Class-B.**

Item Code Class B	Cap. (ml)	Division	Tolerance (\pm ml)	Bottle Cap. (ml)	Pack of	Price / Piece
118.522.01A	10	0.05	0.05	500	1	13805
118.522.02A	25	0.1	0.1	2000	1	14085
118.522.03A	50	0.1	0.1	2000	1	14460
118.522.04A	100	0.2	0.2	2000	1	14830

Burette, Automatic, Zero with Glass stopcock

- Complies with **DIN ISO 385 standard Class-A**
- Comes with Individual Works Certificate
- With Detachable stopcock to prevents breakage during usage

Item Code Class A	Cap. (ml)	Division	Tolerance (± ml)	Bottle Cap. (ml)	Pack of	Price / Piece
121.523.01	10	0.05	0.03	500	1	9715
121.523.02	25	0.1	0.05	2000	1	9490
121.523.03	50	0.1	0.05	2000	1	10620
121.523.04	100	0.2	0.1	2000	1	12075

Burette, Automatic Zero with Glass stopcock

- Complies with **DIN ISO 385 standard Class-B**
- With Detachable stopcock to prevents breakage during usage

Item Code Class B	Cap. (ml)	Division	Tolerance (± ml)	Bottle Cap. (ml)	Pack of	Price / Piece
121.522.01	10	0.05	0.05	500	1	6395
121.522.02	25	0.1	0.1	2000	1	6300
121.522.03	50	0.1	0.1	2000	1	6880
121.522.04	100	0.2	0.2	2000	1	7835

Burette, Automatic, Amber, Zero with Glass stopcock

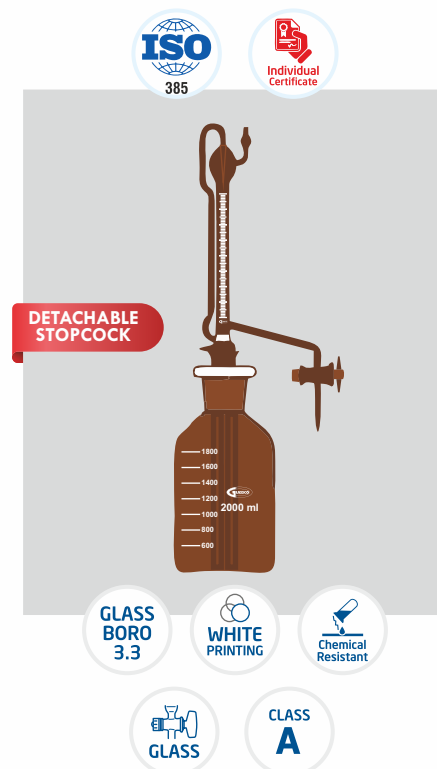
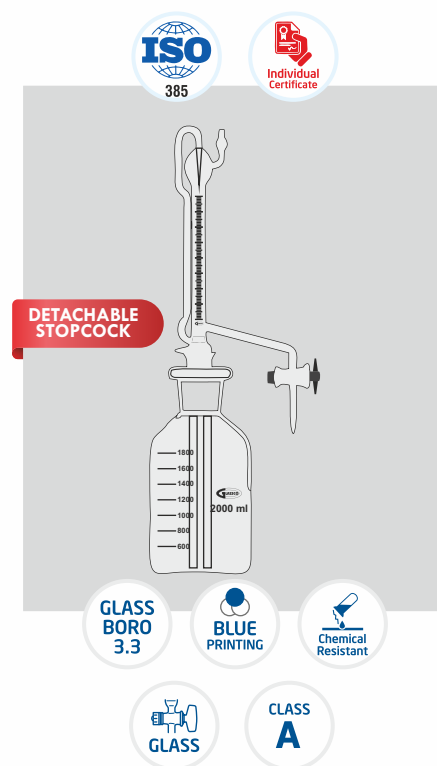
- Complies with **DIN ISO 385 standard Class-A**
- Comes with Individual Works Certificate
- With Detachable stopcock to prevents breakage during usage

Item Code Class A	Cap. (ml)	Division	Tolerance (± ml)	Bottle Cap. (ml)	Pack of	Price / Piece
121.523.01A	10	0.05	0.03	500	1	20155
121.523.02A	25	0.1	0.05	2000	1	21360
121.523.03A	50	0.1	0.05	2000	1	23735
121.523.04A	100	0.2	0.10	2000	1	24285

Burette, Automatic, Amber, Zero with Glass Stopcock

- Complies with **DIN ISO 385 standard Class-B**
- With Detachable stopcock to prevents breakage during usage

Item Code Class B	Cap. (ml)	Division	Tolerance (± ml)	Bottle Cap. (ml)	Pack of	Price / Piece
121.522.01A	10	0.05	0.05	500	1	14065
121.522.02A	25	0.1	0.1	2000	1	14265
121.522.03A	50	0.1	0.1	2000	1	14565
121.522.04A	100	0.2	0.2	2000	1	15260



Burettes



Burette, Automatic, Zero with PTFE stopcock

- Complies with **DIN ISO 385 standard Class-A**
- With Detachable stopcock to prevents breakage during usage

Item Code Class A	Cap. (ml)	Division	Tolerance (± ml)	Bottle Cap. (ml)	Pack of	Price / Piece
122.523.01	10	0.05	0.03	500	1	10340
122.523.02	25	0.1	0.05	2000	1	10025
122.523.03	50	0.1	0.05	2000	1	11125
122.523.04	100	0.2	0.1	2000	1	12825

Burette, Automatic, Zero with PTFE stopcock

- Complies with **DIN ISO 385 standard Class-B**
- With Detachable stopcock to prevents breakage during usage

Item Code Class B	Cap. (ml)	Division	Tolerance (± ml)	Bottle Cap. (ml)	Pack of	Price / Piece
122.523.01B	10	0.05	0.05	500	1	6775
122.523.02B	25	0.1	0.1	2000	1	6625
122.523.03B	50	0.1	0.1	2000	1	7050
122.523.04B	100	0.2	0.2	2000	1	8195



Burette, Automatic, Amber, Zero with PTFE stopcock

- Complies with **DIN ISO 385 standard Class-A**
- With Detachable stopcock to prevents breakage during usage

Item Code Class A	Cap. (ml)	Division	Tolerance (± ml)	Bottle Cap. (ml)	Pack of	Price / Piece
122.523.01A	10	0.05	0.03	500	1	21110
122.523.02A	25	0.1	0.05	2000	1	22535
122.523.03A	50	0.1	0.05	2000	1	24680
122.523.04A	100	0.2	0.1	2000	1	25820

Burette, Automatic, Amber, Zero with PTFE Stopcock,

- Complies with **DIN ISO 385 standard Class-B**
- With Detachable stopcock to prevents breakage during usage

Item Code Class B	Cap. (ml)	Division	Tolerance (± ml)	Bottle Cap. (ml)	Pack of	Price / Piece
122.523.01AB	10	0.05	0.05	500	1	14485
122.523.02AB	25	0.1	0.1	2000	1	13745
122.523.03AB	50	0.1	0.1	2000	1	13965
122.523.04AB	100	0.2	0.2	2000	1	14530

Burette, Chloroform Bellow with Cotton Net :

For use with automatic burettes

Item Code	Pack of	Price / Pack
412.303.01	4	1275



Burette, Atomizer Bulb :

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

Item Code	Pack of	Price / Pack
413.303.01	4	470



Burette, Brush

Item Code	Type	Material	Pack of	Price / Pack
593.303.07	Burette Brush	Nylon	50	7500



Nylon



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	Price / Piece
218.212.03	30	14	355	8	5	450



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	Price / Piece
220.202.01	10	100	14/23	1	960
220.202.02	10	200	14/23	1	960
220.202.03	10	300	14/23	1	960
220.202.04	10	400	14/23	1	1005
220.202.05	20	200	19/26	1	1090
220.202.06	20	300	19/26	1	1090
220.202.07	20	400	19/26	1	1135
220.202.08	20	500	19/26	1	1190
220.202.09	26	400	24/29	1	1200
220.202.10	26	500	24/29	1	1255
220.202.11	30	400	29/32	1	1335
220.202.12	30	500	29/32	1	1385
220.202.13	30	400	34/35	1	1610
220.202.14	30	500	34/35	1	1665
220.202.15	40	400	40/38	1	1720
220.202.16	40	500	40/38	1	1810

Column, Chromatographic 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

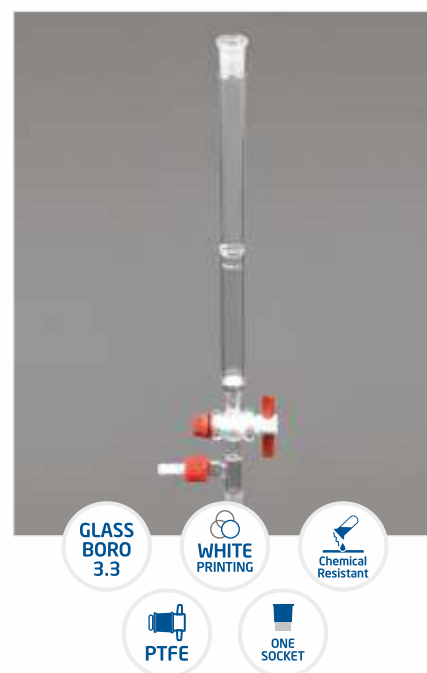
Item Code	Effective Length(mm)	I.D. (mm)	Cap. (ml)	Stopcock Description	N/S	Pack of	Price / Piece
221.212.01	100	10	8	PTFE	14/23	1	1795
221.212.02	200	10	15	PTFE	14/23	1	1795
221.212.03	200	15	35	PTFE	14/23	1	1810
221.212.04	300	10	23	PTFE	14/23	1	1795
221.212.05	400	20	125	PTFE	29/32	1	2195
221.212.07	600	30	430	PTFE	29/32	1	2165



Column, Chromatographic 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)	I.D. (mm)	Capacity (ml)	Socket & Cone (NS)	Pack of	Price / Piece
212.202.02	200	15	35	14/23	1	1995
212.202.04	400	20	120	14/23	1	2075
212.202.04D	400	30	280	29/32	1	2500
212.202.06D	600	30	430	29/32	1	2630



Column, Chromatographic columns with frit

- 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)



Item Code	Effective Length(mm)	I.D. (mm)	Capacity (ml)	Socket & Cone (NS)	Pack of	Price / Piece
213.202.02	200	15	35	14/23	1	1165
213.202.04	400	20	120	14/23	1	1220
213.202.04D	400	30	280	29/32	1	1605
213.202.06D	600	30	430	29/32	1	1795

Column, Chromatography

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



Item Code	Socket	Size (mm) OD x Effective Length	Bore (mm)	Pack of	Price / Piece
221.475.01	24/40	17x305	2	1	1930
221.475.02	24/40	32x457	2	1	2180

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) OD x Effective Length	Bore (mm)	Pack of	Price / Piece
221.477.03	24/40	40x457	2	1	3835



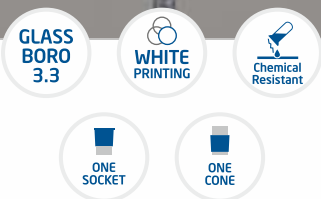
Column, Chromatography with PTFE Stopcock and Fritted Disc

- 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) OD x Effective Length	Bore (mm)	Pack of	Price / Piece
221.204.06	40x457	2	1	2340



Columns



Column, Chromatography with ground 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	Price / Piece
223.202.01	18	200	310	24/29	19/26	1	1090
223.202.02	18	300	415	24/29	19/26	1	1090
223.202.03	18	400	515	24/29	19/26	1	1135

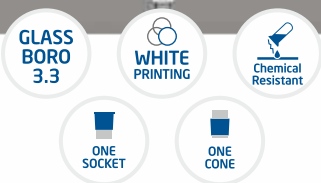
Column, acc. to Vigreux With socket and cone

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

Item Code	Effective Length(mm)	Cone and Socket (NS)	Pack of	Price / Piece
197.204.01	100	10/19	1	475
197.204.02	200	10/19	1	555
197.204.05A	300	14/23	1	740
197.204.05C	300	24/29	1	1015
197.204.05D	300	29/32	1	1165
197.204.03	360	29/32	1	1240
197.204.06	600	24/29	1	1415
197.204.06A	600	29/32	1	1525

ASTM Sizes

Item Code	Effective Length(mm)	Socket and Cone (NS)	Pack of	Price / Piece
197.470.00	120	14/20	1	515
197.470.09	300	24/40	1	1165





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	Price / Piece
181.202.01	14/23	14/23	200	1	415
181.202.02	19/26	19/26	200	1	510
181.202.03	24/29	24/29	250	1	740
181.202.04	19/26	19/26	400	1	860
181.202.05	24/29	24/29	500	1	1050
181.202.06	34/35	34/35	500	1	2095
181.202.07	19/26	19/26	600	1	920
181.202.08	24/29	24/29	750	1	1430
181.202.09	-	19/26	750	1	985
181.202.10	-	24/29	750	1	1010
181.202.11	-	19/26	1000	1	1615
181.202.12	-	24/29	1000	1	1660

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



Condensers



Condenser, Leibig

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

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
182.181.01	14/23	160	14/23	Screw Thread	1	665
182.181.01A	19/26	160	19/26	Screw Thread	1	665
182.181.02	19/26	250	19/26	Screw Thread	1	710
182.181.03*	24/29	250	24/29	Screw Thread	1	710
182.181.03A	29/32	250	29/32	Screw Thread	1	710
182.181.04*	19/26	300	19/26	Screw Thread	1	810
182.181.05*	24/29	300	24/29	Screw Thread	1	810
182.181.06*	29/32	300	29/32	Screw Thread	1	955
182.181.10*	24/29	400	24/29	Screw Thread	1	1050
182.181.11	29/32	400	29/32	Screw Thread	1	1050

* Non DIN

ASTM Sizes

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
182.481.01	14/20	120	14/20	Screw Thread	1	685
182.481.02	19/22	180	19/22	Screw Thread	1	695
182.481.03	24/40	200	24/40	Screw Thread	1	725
182.481.05	24/40	300	24/40	Screw Thread	1	835



Condenser, Leibig

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

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
182.202.01	14/23	160	14/23	Glass	1	605
182.202.01A	19/26	160	19/26	Glass	1	605
182.202.02	19/26	200	19/26	Glass	1	665
182.202.02	19/26	250	19/26	Glass	1	650
182.202.03*	24/29	250	24/29	Glass	1	650
182.202.03A	29/32	250	29/32	Glass	1	650
182.202.04*	19/26	300	19/26	Glass	1	755
182.202.05*	24/29	300	24/29	Glass	1	720
182.202.06*	29/32	300	29/32	Glass	1	895
182.202.10*	24/29	400	24/29	Glass	1	795
182.202.11	29/32	400	29/32	Glass	1	1000

* Non DIN

ASTM Sizes

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
182.402.01	14/20	120	14/20	Glass	1	630
182.402.02	19/22	180	19/22	Glass	1	645
182.402.04	24/40	200	24/40	Glass	1	685
182.402.05	24/40	300	24/40	Glass	1	685

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 & Plastic screw thread 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	Price / Piece
182.407.02	200	345	Glass	1	660
182.407.03	300	445	Glass	1	555
182.407.04	400	545	Glass	1	585
182.407.05	500	645	Glass	1	705



Condenser Coil

- Complies with ASTM E-438, Type-1, 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	Price / Piece
183.181.01	14/23	160	14/23	Screw Thread	1	985
183.181.01A	19/26	160	19/26	Screw Thread	1	985
183.181.02A	14/23	250	14/23	Screw Thread	1	1175
183.181.03	19/26	250	19/26	Screw Thread	1	1175
183.181.04	24/29	250	24/29	Screw Thread	1	1175
183.181.04A	29/32	250	29/32	Screw Thread	1	1175
183.181.05	24/29	300	24/29	Screw Thread	1	1510
183.181.06	29/32	300	29/32	Screw Thread	1	1510
183.181.07	29/32	400	29/32	Screw Thread	1	1535

ASTM Sizes

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
183.481.03	24/40	200	24/40	Screw Thread	1	1205
183.481.05	24/40	300	24/40	Screw Thread	1	1570
183.481.07	24/40	400	24/40	Screw Thread	1	1585



Condensers

Condenser Coil

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



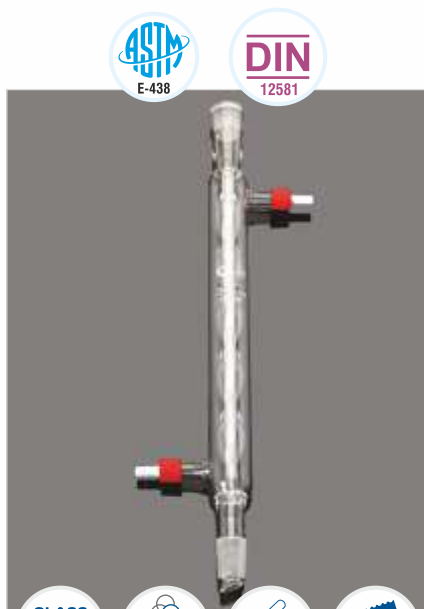
Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
183.202.01	14/23	160	14/23	Glass	1	930
183.202.01A	19/26	160	19/26	Glass	1	930
183.202.02A	14/23	250	14/23	Glass	1	1130
183.202.03	19/26	250	19/26	Glass	1	1130
183.202.04	24/29	250	24/29	Glass	1	1130
183.202.04A	29/32	250	29/32	Glass	1	1130
183.202.05	24/29	300	24/29	Glass	1	1005
183.202.06	29/32	300	29/32	Glass	1	1485
183.202.08	24/29	400	24/29	Glass	1	1460
183.202.07	29/32	400	29/32	Glass	1	1055
183.202.09	29/32	500	29/32	Glass	1	1325

ASTM Sizes

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
183.402.04	24/40	200	24/40	Glass	1	1160
183.402.05	24/40	300	24/40	Glass	1	1170
183.402.07	24/40	400	24/40	Glass	1	1485

Condenser Allihin

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



Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
190.181.05*	14/23	160	14/23	Screw Thread	1	980
190.181.06	19/26	160	19/26	Screw Thread	1	980
190.181.07*	14/23	250	14/23	Screw Thread	1	1055
190.181.08*	19/26	250	19/26	Screw Thread	1	1055
190.181.09*	24/29	250	24/29	Screw Thread	1	1055
190.181.09A	29/32	250	29/32	Screw Thread	1	1145
190.181.10*	24/29	300	24/29	Screw Thread	1	1245
190.181.11*	29/32	300	29/32	Screw Thread	1	1245
190.181.12*	24/29	400	24/29	Screw Thread	1	1420
190.181.13*	29/32	400	29/32	Screw Thread	1	1420

* Non Din

ASTM Sizes

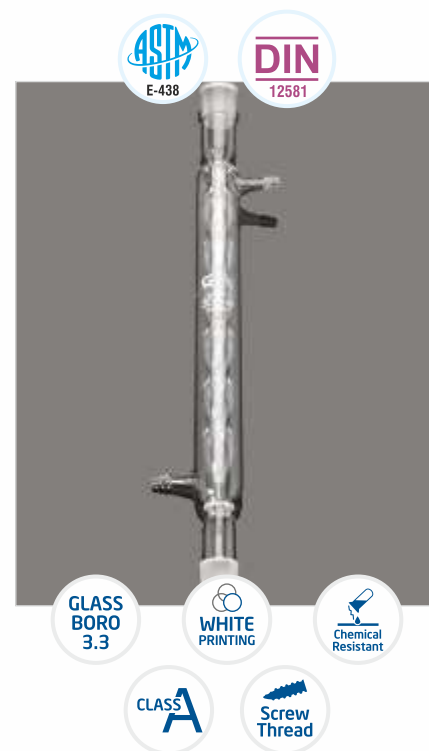
Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
190.482.09	24/40	200	24/40	Screw Thread	1	1155
190.482.11	24/40	300	24/40	Screw Thread	1	1170
190.482.13	24/40	400	24/40	Screw Thread	1	1485

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 and plastic screw thread connector
- Inner bulb section provides increased cooling surface and is ideal for Reflux Applications

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
190.202.05*	14/23	160	14/23	Glass	1	930
190.202.06	19/26	160	19/26	Glass	1	930
190.204.06A*	19/26	200	19/26	Glass	1	845
190.202.07*	14/23	250	14/23	Glass	1	1005
190.202.08*	19/26	250	19/26	Glass	1	1005
190.202.09*	24/29	250	24/29	Glass	1	1005
190.202.09A	29/32	250	29/32	Glass	1	1075
190.202.10*	24/29	300	24/29	Glass	1	845
190.202.11*	29/32	300	29/32	Glass	1	1205
190.202.12*	24/29	400	24/29	Glass	1	1030
190.202.13*	29/32	400	29/32	Glass	1	1385
190.202.14*	29/32	600	29/32	Glass	1	1445

* Non Din



ASTM Sizes

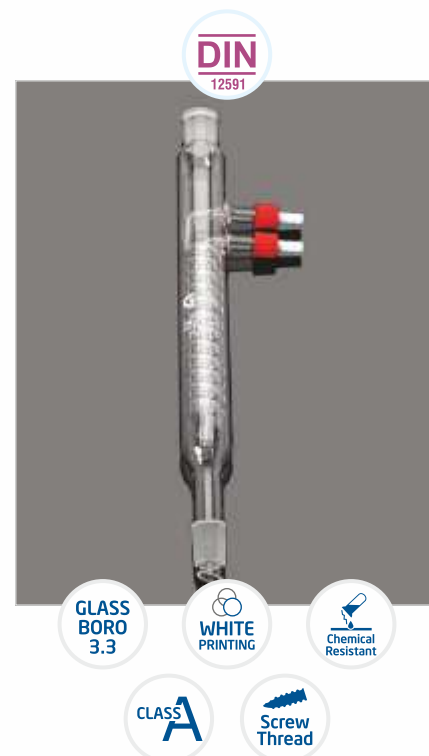
Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
190.402.08	24/40	200	24/40	Glass	1	1050
190.402.10	24/40	300	24/40	Glass	1	1050
190.402.12	24/40	400	24/40	Glass	1	1095

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	Price / Piece
190.181.01A*	14/23	160	14/23	Screw Thread	1	1195
190.181.02A*	19/26	160	19/26	Screw Thread	1	1195
190.181.03A*	19/26	250	19/26	Screw Thread	1	1350
190.181.04A*	24/29	250	24/29	Screw Thread	1	1350
190.181.05A*	29/32	250	29/32	Screw Thread	1	1350
190.181.06A*	24/29	300	24/29	Screw Thread	1	1465
190.181.07A*	29/32	300	29/32	Screw Thread	1	1465
190.181.08A	29/232	400	29/232	Screw Thread	1	1660

* Non Din



Condensers



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	Price / Piece
190.204.01*	14/23	160	14/23	Glass	1	1110
190.204.02*	19/26	160	19/26	Glass	1	1110
190.204.03*	19/26	250	19/26	Glass	1	1270
190.204.04*	24/29	250	24/29	Glass	1	1270
190.204.05	29/32	250	29/32	Glass	1	1270
190.204.06*	24/29	300	24/29	Glass	1	1385
190.204.07*	29/32	300	29/32	Glass	1	1385
190.204.08	29/232	400	29/232	Glass	1	1585

* Non Din



Condenser, Double Surface

- Made From Heat Resistant Low Expansion 3.3 Borosilicate Glass

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
187.202.03	19/26	200	19/26	Glass	1	2700
187.202.04	24/29	200	24/29	Glass	1	3555
187.202.12	19/26	300	19/26	Glass	1	2870
187.202.13	24/29	300	24/29	Glass	1	3885

ASTM Sizes

Item Code	Socket	Effective Length(mm)	Cone	Connector	Pack of	Price / Piece
187.402.01	14/20	110	14/20	Glass	1	2585
187.402.02	19/22	110	19/22	Glass	1	2585
187.402.03A	24/40	200	24/40	Glass	1	3715
187.402.03	19/22	200	19/22	Glass	1	3445

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	Price / Piece
180.202.10	24/29	350	24/29	Glass	1	4195

ASTM Sizes

Item Code	Socket	Overall Height (mm)	Cone	Connector	Pack of	Price / Piece
340.470.01	24/29	330	24/40	Glass	1	4080



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

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	Price / Piece
347.470.01	205 MM	14/20	14/20	1	1480
347.470.04	365 MM	24/40	24/40	1	1830



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Crucibles



Crucible, Porcelain (Euro Design), Squat Form

- Made of Ceramic
- With Lid
- Upto 700°C

Item Code	Capacity (ml)	Dia (mm)	Height (mm)	Pack of	Price / Pack
522.303.13	2	18	12	6	800
522.303.14	8	32	20	6	935
522.303.15	17	41	26	4	740
522.303.16	30	50	31	4	815
522.303.17	50	61	37	4	985
522.303.18	100	76	46	2	740
522.303.19	150	84	52	2	840
522.303.20	250	88	72	2	1295



Crucible, Porcelain (Euro Design)

- Made of Ceramic
- With Lid
- Upto 700°C

Item Code	Capacity (ml)	Dia (mm)	Height (mm)	Type	Pack of	Price / Pack
523.303.11	1.3	15	15	Tall Form	6	790
523.303.12	5	24	20	Tall Form	6	875
523.303.13	10	31	26	Medium Form	4	640
523.303.14	15	35	29	Medium Form	4	710
523.303.15	30	45	36	Medium Form	4	820
523.303.16	45	50	40	Medium Form	2	455
523.303.17	50	53	43	Medium Form	2	535
523.303.18	100	65	54	Medium Form	2	725

Crucible, Quartz

- Made of Quartz Gel & Powder,
- Upto 1000°C

Item Code	Size (ml)	Type	Pack of	Price / Pack
521.303.01	15	Without Lid	4	3745
521.303.02	25	Without Lid	4	3860
521.303.03	50	Without Lid	2	3100
521.303.04	100	Without Lid	2	5400
521.303.05	15	With Lid	4	5215
521.303.06	25	With Lid	4	7440
521.303.07	50	With Lid	2	5930
521.303.08	100	With Lid	2	9130



Crucible, Silica

- With Lid
- Goes upto 700°C

Item Code	Capacity (ml)	Dia (mm)	Height (mm)	Pack of	Price / Pack
518.303.01	15	41	25	6	5240
518.303.02	25	47	28	6	5515
518.303.03	50	57	37	6	9680
518.303.04	80	67	45	4	10610
518.303.05	100	71	50	4	13240
518.303.06	150	82	51	4	15340



Crucibles



SiO₂

Upto
700°C

LOW FORM

Crucible, Silica

- Without Lid
- Goes upto 700°C

Item Code	Capacity (ml)	Dia (mm)	Height (mm)	Pack of	Price / Pack
519.303.01	15	41	25	6	2515
519.303.02	25	47	28	6	2845
519.303.03	50	57	37	6	5270
519.303.04	80	67	45	4	5910
519.303.05	100	71	50	4	7570
519.303.06	150	82	51	4	9230



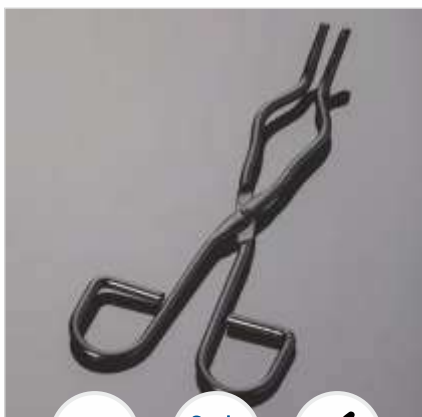
SS

Grade
202

Crucible, Tong

- Made of SS, Grade 202

Item Code	Size (mm)	Pack of	Price / Pack
355.303.01	150	4	790
355.303.02	200	4	1010
355.303.03	250	4	1455
355.303.04	300	4	1840
355.303.05	375	4	2455
355.303.06	450	4	2920
355.303.07	600	4	6210



SS

Grade
202

Black Paint

Crucible, Tong

- Made of mild steel
- Black painted/chrome plated

Item Code	Size (mm)	Type	Pack of	Price / Pack
367.303.01	150	Black Painted	4	670
367.303.02	200	Black Painted	4	770
367.303.03	300	Black Painted	4	1450
367.303.04	150	Chrome Painted	4	690
367.303.05	200	Chrome Painted	4	770
367.303.06	300	Chrome Painted	4	1350

Crucible, Holders

- Available set of 7

Item Code	Type	Pack of	Price / Pack
416.303.01	Set of 7, made of Natural Rubber	1	525
416.303.02	Set of 7, made of Silicon	1	1595



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	Price / Piece
255.G00.01	0	15	10	460
255.G01.01	1	15	10	460
255.G02.01	2	15	10	450
255.G03.01	3	15	10	460
255.G04.01	4	15	10	460
255.G05.01	5	15	10	575
255.G00.02	0	30	10	620
255.G01.02	1	30	10	620
255.G02.02	2	30	10	615
255.G03.02	3	30	10	620
255.G04.02	4	30	10	610
255.G05.04	5	30	10	765
255.G00.03	0	50	10	725
255.G01.03	1	50	10	725
255.G02.03	2	50	10	715
255.G03.03	3	50	10	715
255.G04.03	4	50	10	730
255.G05.03	5	50	10	905



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

LOW FORM



Cylinder, Measuring, Class A

- Complies as per DIN EN ISO 4788
- With hexagonal base
- With individual work certificate

Item Code	Capacity (ml)	Sub Division (ml)	Tolerance (\pm ml)	Pack of	Price / Piece
139.523.00A	5	0.1	0.05	1	550
139.523.01A	10	0.2	0.10	1	625
139.523.02A	25	0.5	0.25	1	735
139.523.03A	50	1.0	0.50	1	890
139.523.04A	100	1.0	0.50	1	1010
139.523.04B*	150	1.0	1.00	1	1310
139.523.05A	250	2.0	1.00	1	1485
139.523.06A	500	5.0	2.50	1	2075
139.523.07A	1000	10.0	5.00	1	2530
139.523.08A	2000	20.0	10.00	1	4790

* Non DIN

Cylinder, Measuring, Class A NABL

- Complies as per DIN EN ISO 4788
- With hexagonal base
- With individual work certificate



Item Code	Capacity (ml)	Sub Division (ml)	Tolerance (\pm ml)	Pack of	Price / Piece
139.505.01A	10	0.2	0.10	1	1455
139.505.02A	25	0.5	0.25	1	1725
139.505.03A	50	1.0	0.50	1	2025
139.505.04A	100	1.0	0.50	1	2310
139.505.05A	250	2.0	1.00	1	3510
139.505.06A	500	5.0	2.50	1	4775
139.505.07A	1000	10.0	5.00	1	5895
139.505.08A	2000	20.0	10.00	1	7175

Cylinder, Measuring, Graduated Class B, Hex Base

- Complies with **DIN EN ISO 4788**
- Printed in Blue colour

Item Code	Capacity (ml)	Sub Division (ml)	Pack of	Price / Piece
138.522.00A	5	0.1	2	295
138.522.01A	10	0.2	2	345
138.522.02A	25	0.5	2	410
138.522.03A	50	1.0	2	450
138.522.04A	100	1.0	2	510
138.522.04B*	150	1.0	2	745
138.522.05A	250	2.0	.2	930
138.522.06A	500	5.0	2	1215
138.522.07A	1000	10.0	1	1835
138.522.08A	2000	20.0	1	3530

* Non DIN



Cylinder, Measuring, Class A, Hexa Base, Serialized

- Complies as per USP Standards
- With individual work certificate
- Printed in Amber colour

Item Code	Capacity (ml)	Sub Division (ml)	Tolerance (± ml)	Pack of	Price / Piece
139.221.00A	5	0.1	0.05	1	630
139.221.01A	10	0.2	0.10	1	730
139.221.02A	25	0.5	0.15	1	830
139.221.03A	50	1.0	0.25	1	1005
139.221.04A	100	1.0	0.50	1	1130
139.221.05A	250	2.0	1.00	1	1610
139.221.06A	500	5.0	1.50	1	2140
139.221.07A	1000	10.0	3.00	1	2615
139.221.08A	2000	20.0	6.00	1	4955



Cylinders



Cylinder, Measuring, Class A

- Complies as per **USP Standards**
- With Detachable PP base
- Protection collar individual works
- Calibrated at 20°C

Item Code	Capacity (ml)	Tolerance (±ml)	Pack of	Price / Piece
137.221.02	10	0.10	1	775
137.221.03	25	0.15	1	830
137.221.04	50	0.25	1	945
137.221.05	100	0.50	1	1115
137.221.06	250	1.00	1	1555
137.221.07	500	1.50	1	2265
137.221.08	1000	3.00	1	2865



Cylinder, Measuring, Class B

- With detachable PP base
- With protection collar
- Printed in Blue colour.

Item Code	Capacity (ml)	Tolerance (±ml)	Pack of	Price / Piece
137.502.02	10	0.200	10	310
137.502.03	25	0.500	10	380
137.502.04	50	1.000	10	465
137.502.05	100	1.000	10	530
137.502.06	250	2.000	10	670
137.502.07	500	5.000	1	825
137.502.08	1000	10.00	1	1375

Cylinder, Mixing, Class A

- Complies as per DIN EN ISO 4788 standards
- With Penny Head & PP stopper
- With hexagonal base
- With individual work certificate.

Item Code	Capacity (ml)	Tolerance (±ml)	Sub Division	Stopper Size	Pack of	Price / Piece
142.576.01	10	0.10	0.2	10/19	1	1025
142.576.02	25	0.25	0.5	14/23	1	1170
142.576.03	50	0.50	1.0	19/26	1	1320
142.576.04	100	0.50	1.0	24/29	1	1580
142.576.05	250	1.00	2.0	29/32	1	2465
142.576.06	500	2.50	5.0	34/35	1	3190
142.576.07	1000	5.00	10.0	45/40	1	3890
142.576.08	2000	10.00	20.0	45/40	1	6145



Cylinder, Mixing, Class A

- Complies as per DIN EN ISO 4788 standards
- NABL Certified
- With Penny Head & PP stopper
- With hexagonal base
- With individual work certificate.



Item Code	Capacity (ml)	Tolerance (±ml)	Sub Division	Stopper Size	Pack of	Price / Piece
142.508.01	10	0.10	0.2	10/19	1	1690
142.508.02	25	0.25	0.5	14/23	1	2110
142.508.03	50	0.50	1.0	19/26	1	2350
142.508.04	100	0.50	1.0	24/29	1	2545
142.508.05	250	1.00	2.0	29/32	1	3420
142.508.06	500	2.50	5.0	34/35	1	4235
142.508.07	1000	5.00	10.0	45/40	1	6245
142.508.08	2000	10.00	20.0	45/40	1	8330



Cylinders



Cylinder, Mixing, Class B

- Complies as per DIN EN ISO 4788 standards
- With hexagonal base Penny Head & PP stopper

Item Code	Capacity (ml)	Tolerance (± ml)	Sub Division	Stopper Size	Pack of	Price / Piece
142.509.01	10	0.20	0.2	10/19	1	525
142.509.02	25	0.50	0.5	14/23	1	595
142.509.03	50	1.00	1.0	19/26	1	665
142.509.04	100	1.00	1.0	24/29	1	820
142.509.05	250	2.00	2.0	29/32	1	1365
142.509.06	500	5.00	5.0	34/35	1	1905
142.509.07	1000	10.00	10.0	45/40	1	2755
142.509.08	2000	20.00	20.0	45/40	1	4750

Cylinder, Tapped Density Cylinder as per USP

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

Item Code	Capacity (ml)	Pack of	Price / Piece
139.520.01A	100 & 250	1 Each	3155



Cylinder, Tapped Density Cylinder as per USP 616

Item Code	Capacity (ml)	Pack of	Price / Piece
139.521.04A	100	2	1645

Cylinder, Tapped Density Cylinder as per USP 616

Item Code	Capacity (ml)	Pack of	Price / Piece
139.521.05A	250	2	1895

Cylinder, Nessler

- For colour comparison CLASS B Graduated

Item Code	Capacity (ml)	Sub Division	Pack of	Price / Piece
143.502.01B	50	25 & 50	10	220
143.502.02B	100	50 & 100	10	325



Cylinder, Rain Measure, Metric Scale, Graduated, With Round Base

- Complies with IS 4849
- Manufactures with chemically resistance 3.3 borosilicate glass
- Graduation in white enamel
- The cylinders are graduated to indicate rainfall in mm when used with appropriate rain collector

Item Code	Size mm	Used for Collector Area cm ²	Graduation Interval mm	Tolerance ± mm	Pack of	Price / Piece
139.500.01	20	200	0.2	0.05	5	1430
139.500.02	20	100	0.2	0.10	10	1665



Riders/Bumpers for cylinders

Item Code	Bumper for Cylinders (ml)	Pack of	Price / Piece
136.202.01	5	100	55
136.202.02	10	100	55
136.202.03	25	100	55
136.202.04	50	100	55
136.202.05	100	100	65
136.202.06	250	50	85
136.202.07	500	50	95
136.202.08	1000	25	105
136.202.09	2000	10	115



Cylinder, Measuring, Hexagonal

- Made from Polypropylene
- These are now available with hexagonal base also
- The hexagonal base provides excellent stability to the cylinder where as the tapered spout works really while pouring any reagent



Item Code	Capacity (ml)	Least Count (ml)	Pack of	Price /Pack
177.303.01	10	0.2	24	940
177.303.02	25	0.5	12	715
177.303.03	50	1	12	785
177.303.04	100	1	12	860
177.303.05	250	2	6	875
177.303.06	500	5	4	890
177.303.07	1000	10	2	845

Cylinder, Brush



Nylon

Item Code	Type	Material	Pack of	Price /Pack
593.303.05	Cylinder Brush	Nylon	50	5950

Desiccator, With Lid, Plain

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

Item Code	I.D (mm)	Pack of	Price /Piece
249.202.01	150	1	4305
249.202.02*	210	1	7235
249.202.03	250	1	10115
249.202.04	300	1	20410

* Non DIN



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	Price /Piece
250.202.01	150	1	7955
250.202.02*	210	1	12215
250.202.03	250	1	19635
250.202.04	300	1	26205

* Non DIN



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 colour and have marking area to use with ordinary pencil.



Dish, Crystallizing, without Spout

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

Item Code	Diameter x Height (mm)	Pack of	Price /Piece
246.202.01	40x 25	10	165
246.202.02	50x30	10	175
246.202.03	60x35	10	205
246.202.04	70x40	10	285
246.202.05	80x45	10	310
246.202.06	95x55	10	575
246.202.07	115x65	10	705
246.202.08	140x75	10	1030
246.202.09	190x90	10	1690



Dish, Crystallizing, with Spout

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

Item Code	O.D x Height (mm)	Pack of	Price /Piece
246.202.01S	40x 25	10	175
246.202.02S	50x30	10	195
246.202.03S	60x35	10	230
246.202.04S	70x40	10	305
246.202.05S	80x45	10	325
246.202.06S	95x55	10	525
246.202.07S	115x65	10	760
246.202.08S	140x75	10	935
246.202.09S	190x90	10	1525

Dish, Evaporating

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

Item Code	Approx Capacity (ml)	Dia (mm)	Height (mm)	Pack of	Price /Piece
247.202.00	15	50	25	10	335
247.202.00B	45	60	30	10	450
247.202.01	90	80	45	10	510
247.202.02	170	95	55	10	545
247.202.02C*	290	105	55	10	705
247.202.02A	320	115	65	10	670
247.202.03D	600	140	80	10	1210
247.202.03A*	1500	150	80	10	1345
247.202.04*	2500	200	100	10	2435

* Non DIN



Dish, Evaporating, Euro Design

- Made of Porcelain
- Goes upto 700°C

Item Code	Capacity (ml)	OD x Height (mm)	Pack of	Price /Pack
528.303.07	35	60 x 24	6	905
528.303.08	70	75 x 30	6	985
528.303.09	80	80 x 30	6	1075
528.303.10	120	94 x 42	6	1105
528.303.11	150	100 x 42	6	1195
528.303.12	250	115 x 45	4	845
528.303.13	385	145 x 48	4	1930
528.303.14	525	162 x 51	2	1430
528.303.15	765	185 x 54	2	2945



Dishes

Dish, Petri, Manufactured from BORO 3.3 Glass

- Withstand repeated Autoclaving



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Item Code	O.D. x Height (mm)	Pack of	Price /Piece
248.202.01	50 x 17	10	230
248.202.02	80 x 17	10	295
248.202.03	100 x 17	10	345
248.202.04	150 x 20	10	855
248.202.05	200 x 20	10	1845

Dish, Petri, SG Line (Made from Boro 9.1 Glass)

Item Code	O.D. x Height (mm)	Pack of	Price /Piece
248.203.03	90 x 15	20	124
248.203.04	100 x 15	20	124

Dish, Petri (Disposable)

- These transparent, ready to use, disposable Petri Dishes
- Made of optically clear, non-toxic, Polystyrene



121°C
SSSS

Unbreakable

Item Code	Size (mm)	Pack of	Price /Pack
159.303.01	90	36	555

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	Price /Pack
160.303.01	90	2	3915
160.303.02	60	2	3645



Dish, Pestle & Mortar, Euro Design

- Made of Porcelain
- Goes upto 700°C

Item Code	I.D. x Height (mm)	Pack of	Price /Pack
529.303.08	60 x 44	6	1355
529.303.09	75 x 48	4	1065
529.303.10	85 x 55	4	1245
529.303.11	100 x 70	4	1730
529.303.12	117 x 75	4	2285
529.303.13	125 x 88	2	1315
529.303.15	150 x 100	1	830
529.303.16	175 x 115	1	1690
529.303.17	200 x 140	1	1765





Distilling Apparatus, Ammonia, With Graham condenser

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- Interchangeable Joints
- With Splash Head 24/29, 19/26
- With Kjeldahl flask 500ml 24/29
- With Coil condenser 200mm 19/26

Item Code	Capacity (ml)	Pack of	Price /Piece
340.202.03	500	1	4250



Distilling Apparatus, With Graham Condenser

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

Item Code	Cap. (ml)	Coil Condenser (mm)	Interchangeable Joint	Pack of	Price / Piece
341.202.03	500	200	19/26	1	4205

Distilling Apparatus, with Friedrichs Condenser

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

Item Code	Capacity (ml)	Interchangeable Joint	Pack of	Price /Piece
342.202.03	2000	24/29	1	5380



Distilling Apparatus, Compact with Friedrichs Condenser

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

Item Code	Capacity (ml)	Interchangeable Joint	Pack of	Price /Piece
343.202.04	1000	34/35	1	5090



Distillation



GLASS
BORO
3.3



Alcohol Distillation Unit

- Ideal for Alcohol Distillation

Item Code	Capacity (ml)	Pack of	Price /Piece
347.202.01	1000	1	12230

RM Value Apparatus

- To be Used in Dairy Industries for the Analysis of Oil & Waxes

Item Code	Capacity (ml)	Pack of	Price /Piece
348.202.01	300	1	2600



GLASS
BORO
3.3

WHITE
PRINTING



Essential Oil Determination Apparatus (Clevenger Apparatus)

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- For Oil Heavier Than Water
- Round bottom Flask 1000ml-24/29
- Liebig condenser 300mm-24/29, without socket

Item Code	Capacity (ml)	Pack of	Price /Piece
226.202.01	1000	1	9765

Essential Oil Determination Apparatus (Clevenger Apparatus)

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- For Oil Lighter Than Water
- Round bottom flask 1000ml-24/29
- Liebig condenser 300mm-24/29, without sockets
- Dean Stark 10 ml

Item Code	Capacity (ml)	Pack of	Price /Piece
227.202.01	1000	1	9765



Distilling Apparatus, Dean and Stark

- Moisture Test
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass
- Round bottom Flask 1000ml-24/29
- Liebig condenser 300mm-19/26
- Dean Stark 10 ml

Item Code	Capacity (ml)	Pack of	Price /Piece
227.202.01A	10	1 Set	3505



Distillation

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	Price /Piece
351.202.00	2	1	50160
351.202.02	10	1	54670



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. 209 & 210**

Short Path Distillation Head

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

Item Code	Pack of	Price /Piece
345.402.01	1	18135



Kjeldhal Distillation Unit

- 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

Item Code	Keck Joint	Screw Thread	Pack of	Price /Piece
1194.000.05	19/26 & 24/29	GL-14	1	7380





Moisture Determination Unit

- 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	Price /Piece
465.000.01	19/26 & 24/29	1	5735



Inhaler Testing Kit

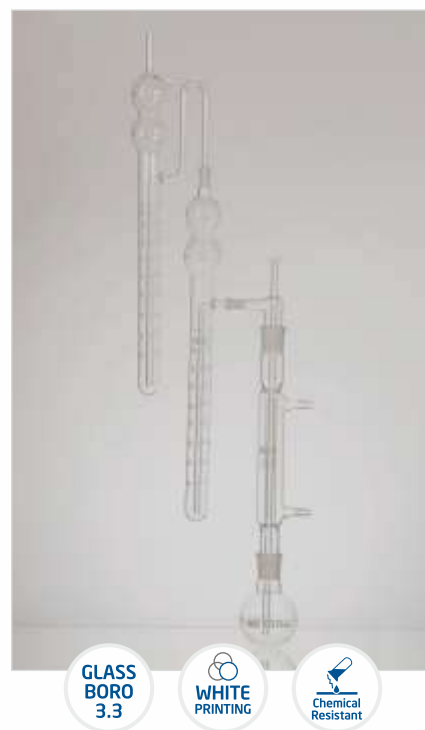
- Gas Wash Bottle 500ml, Socket 29/32
- PP Screw Cap GL-28 & Keck clamp 14/23, 24/29, 29/32
- With 50ml Round Bottom Flask with cone 24/29 & socket 29/32
- Conical Flask 250ml, with socket 24/29
- Round Bottom angular Flask 100ml

Item Code	Pack of	Price /Piece
345.525.03	1	54720

Mancozeb Assembly Set

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

Item Code	Pack of	Price /Piece
228.202.01A	1	22560



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Fractional Distillation Equipment

- 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

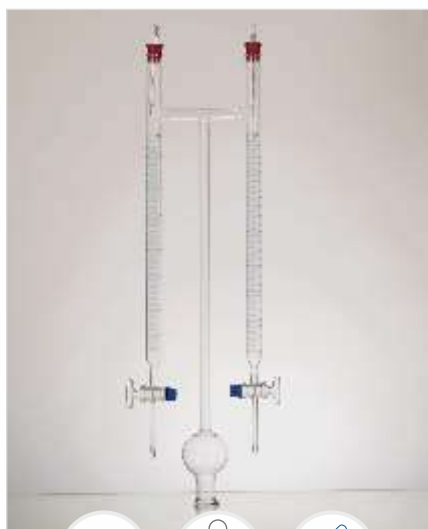
Item Code	Keck Joint	Pack of	Price /Piece
328.202.02	29/32	1	21300



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Hoffman Voltmeter

Item Code	Pack of	Price /Piece
325.202.01	1	9000



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Simple Distillation Equipment Set

- 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	Price /Piece
328.202.01A	1	9000

Extractor Apparatus

- Complete with condenser & flasks

Item Code	Extractor cap. (ml)	Extractor Socket	Extractor Cone	Flask Cap.	Condenser Type	Connector	Pack of	Price / Piece
210.502.03	60	34/35	24/29	150	Allihin	Glass	1	1975
210.502.04B	100	40/38	24/29	250	Allihin	Glass	1	2340
210.502.04	100	45/40	29/32	250	Allihin	Glass	1	2150
210.502.06A	200	50/42	24/29	500	Allihin	Glass	1	4035
210.502.06	250	45/40	29/32	500	Allihin	Glass	1	3720
210.502.08	500	60/46	29/32	1000	Allihin	Glass	1	12960
210.502.09	1000	71/51	29/32	2000	Allihin	Glass	1	20858
210.202.12	100	45/40	29/32	250	Dimroth	Screw Thread	1	3456
210.202.13	150	45/40	29/32	250	Dimroth	Screw Thread	1	3845
210.202.14	250	45/40	29/32	500	Dimroth	Screw Thread	1	4110
210.202.15	500	60/46	29/32	1000	Dimroth	Screw Thread	1	8345
210.202.16	1000	71/51	29/32	2000	Dimroth	Screw Thread	1	13635

PS : For ordering of instruments used with glass see 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	Price / Piece
1101.DNEU.02	100	150	280x210x520	1/1	16390
1101.DNEU.03	250	150	280x210x520	1/1	16610
1101.DNEU.04	500	200	280x210x520	1/1	16830



1101.EU

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	Price / Piece
1600.DNEU.01*	100	170	1/1	22220
1600.DNEU.02*	250	170	1/1	22550
1600.DNEU.03*	500	220	1/1	24090



1601.EU

*Also Available with 3 Position & 6 Position Heating Mantle

Please refer to page no 221-222

Extractor

Item Code	Capacity (ml)	Socket	Cone	Pack of	Price / Piece
211.202.03*	60	34/35	24/29	1	965
211.202.04B*	100	40/38	24/29	1	1390
211.202.04	100	45/40	29/32	1	1470
211.202.06A*	200	50/42	24/29	1	1745
211.202.06	250	45/40	29/32	1	1660
211.202.08	500	60/46	29/32	1	3720
211.202.09	1000	71/51	29/32	1	4720

* Non DIN



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant



DIN 12602

GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

Extraction Apparatus

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



GLASS
BORO
3.3

WHITE
PRINTING

Chemical
Resistant

Item Code	Cone	Effective Length (mm)	Extractor (ml)	Connector	Pack of	Price / Piece
191.202.01	45/40	300	100	Glass	1	1105
191.202.01A	45/40	400	250	Glass	1	1135
191.202.02	60/46	400	500	Glass	1	1945
191.202.03	71/51	400	1000	Glass	1	2305

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



GLASS
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3.3

WHITE
PRINTING

Chemical
Resistant

Screw
Thread

Item Code	Cone	Effective Length (mm)	Extractor (ml)	Connector	Pack of	Price / Piece
191.181.01	45/40	300	100	Screw Thread	1	1225
191.181.01A	45/40	400	250	Screw Thread	1	1225
191.181.02	60/46	400	500	Screw Thread	1	1960
191.181.03	71/51	400	1000	Screw Thread	1	2305

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

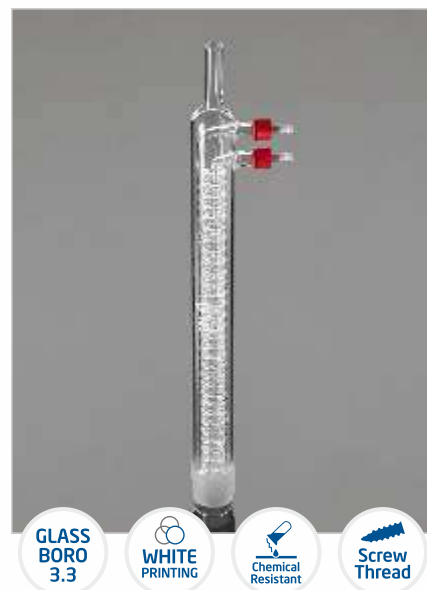
Item Code	Cone	Effective Length (mm)	Extractor (ml)	Connector	Pack of	Price / Piece
192.202.01	45/40	300	100	Glass	1	1695
192.202.01A	45/40	400	250	Glass	1	1695
192.202.02	60/46	400	500	Glass	1	2050
192.202.03	71/51	400	1000	Glass	1	2555



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	Price / Piece
192.181.01	45/40	300	100	Screw Thread	1	1715
192.181.01A	45/40	400	250	Screw Thread	1	1715
192.181.02	60/46	400	500	Screw Thread	1	2055
192.181.03	71/51	400	1000	Screw Thread	1	2550



Glassco Brand sintered glassware is used for 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.

Sintered disc is manufactured by crushing Borosilicate glass, powdering, cleaning, separating into various mesh sizes and then fusing together in the form of a disc. The sintered disc is graded into 5 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 suitably controlling the grain size, firing time, temperature, and the thickness of the disc. 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, the 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 grade will be uniform. This ensures reproducible analytical results.

The discs have 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 annealed properly 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 mercury 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 are manufactured and thus, have excellent resistance to chemical attack.

Operating Pressure

The sintered discs and the glassco are incorporated; they are mainly designed for the application of vacuum or for the passage of gases at a relatively low pressure. In all cases, the differential pressure must not exceed 100 kN/m² (15 psi).

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 excessive temperature changes nor to 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 150°C, although customary practice is to dry at 110°C. Sintered ware may safely be heated in a furnace to 500°C without ill effect, provided that the cycle of heating and cooling is gradual, strains caused by excessive temperature of 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 of steam may set up sufficient pressure within the filter, to crack it.

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 use of heat-insulating material such as asbestos to avoid premature near filter seal. Apparatus should remain in the oven or sterilizer during cooling to avoid too fast 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 risk of contamination in subsequent use.

Many precipitates can be removed from the filter by backflushing with water. However, great care must be taken with large diameters and fine filter, as 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 effective.

Filters clogged by dust and dirt during gas filtration can be restored by treatment with a warm detergent solution followed by blowing clean air from the clean side of the filter. Dirt particles are brought to the surface by the foam and removed by rinsing with water.

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

Clean the porous glass part 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	Grade 5 Sintered disc
261.202.01	PTFE-faced funnel and base
262.202.01	Stainless steel screen filter support
Filter Diameter, mm	47
Filtration Area, cm ²	9.6
Funnel Capacity, mL	300; accessory 1 L 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

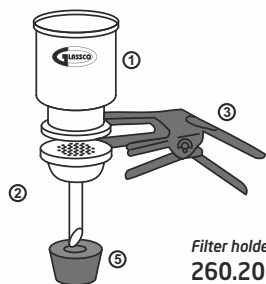
Use 258.202.01 for

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



Glass Filter Holders

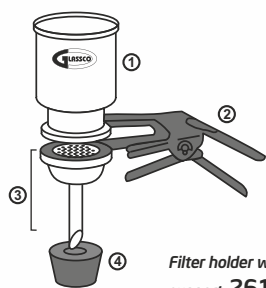
For 47 mm Disc Filters



Replacement Parts:

1. Funnel 300 ml
2. Base 47 mm Frit
3. Clamp 47 mm
5. Stopper 8 No.

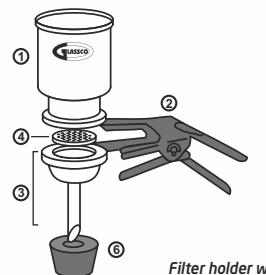
Filter holder with glass filter support, **260.202.01**



Replacement Parts:

1. Funnel 300 ml Teflon Coated
2. Clamp 47 mm
3. Base 47 mm Frit Teflon Coated
4. Stopper 8 No.

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



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

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



VACUUM FILTERING FLASK

Ordering Information:

Cat No.	Description	Price /Piece
260.202.01	Glass filter holder assembly with funnel, fritted base, stopper, clamp, 47 mm	10245

Replacement Parts:

258.245.01	Glass funnel, 300 ml, borosilicate	4765
260.245.02	Base for 47 mm glass/filter holder	4730
258.245.02	Spring clamp, 47 mm, aluminum	3945
260.245.05	No. 8 perforated stopper, silicone	430

Cat No.	Description	Price /Piece
261.202.01	Glass filter holder assembly, PTFE-coated, with PTFE coated funnel and PTFE coated base, stopper no. 8 clamp 47 mm, Frit	13995

Replacement Parts: PTFE-faced Glass Filter Holder

261.245.01	Funnel, PTFE-faced, 300 ml	4005
258.245.02	Spring clamp, 47 mm, aluminum	3945
261.245.03	Glass base, PTFE-faced, 47 mm	6715
260.245.05	No. 8 perforated stopper, silicone	430

Cat No.	Description	Price /Piece
262.202.01	Glass filter holder with stainless steel screen, 47 mm	10025

Replacement Parts: Stainless Screen Glass Filter Holder

258.245.01	Glass funnel, 300 ml, borosilicate	4765
258.245.02	Spring clamp, 47 mm, aluminum	3945
262.245.03	Glass base, 47 mm	5655
262.245.04	Support screen, 47 mm, stainless steel	1005
262.245.05	Gasket, PTFE	120
260.245.05	No. 8 perforated stopper, silicone	430

Optional Accessories

074.202.04	Vacuum filtering flask, 1 Ltr	1090
074.202.05	Vacuum filtering flask, 2 Ltr	2175
260.245.08	Vacuum filtering flask, 4 Ltr	5345

VACUUM FILTERING FLASK HAS TO BE ORDER SEPARATELY

All-Glass Filter Holder

For 47 mm Disc Filters

Specifications:

Materials
258.202.01

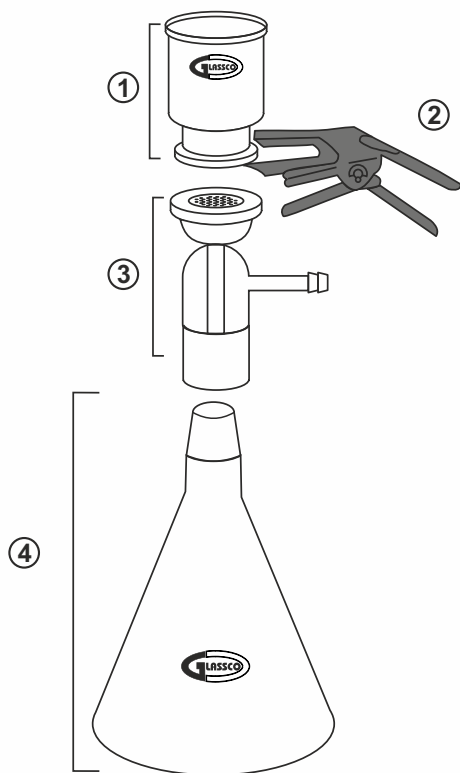
Borosilicate glass funnel, base and tubulated cap; anodized aluminum spring clamp; fritted glass filter support

Filter Diameter, mm 47

Filtration Area, cm² 9.6

Funnel Capacity, ml Funnel: 300 ml; flask: 1 Lt

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



Ordering Information:

Cat No.	Description	Price /Piece
258.202.01	All-Glass Filter Holder Assembly with funnel, fritted-base & cap, clamp 47 mm, ground joint flask 1 Ltr.	18925

Cat No.	Description	Price /Piece
258.284.01	All-Glass Filter Holder Assembly with funnel, fritted-base & cap, clamp 47 mm, ground joint flask 2 Ltr.	24085

Replacement Parts

Cat No.	Description	Price /Piece
258.245.01	Glass funnel, 300 ml, Borosilicate	4765
258.245.02	Spring clamp, 47 mm, aluminum	3945
258.245.03	Glass Base & Cap, 47 mm	6475
258.245.04	Flask, 1000ml for Filter Holder	5320
258.245.04A	Flask, 2000ml for Filter Holder	11045

Optional Accessories:

Cat No.	Description	Price /Piece
263.245.06	Bottles Vacuum 2L	17225
263.245.07	Bottles Vacuum 5L	34625



263.245.07



263.245.06

Replacement Parts:

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

Glass Microanalysis Filter Holders

For 25 mm Disc Filters

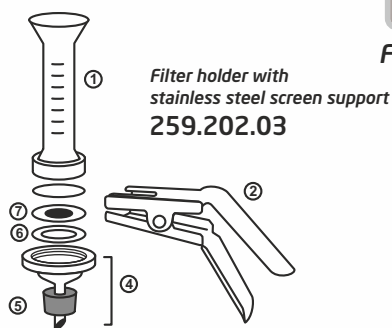
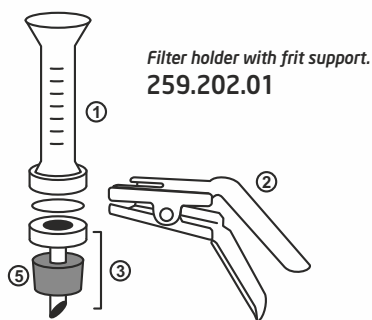
Applications :

- 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 ²	2.5
Funnel Capacity, ml	15
Outlet Fitting flask	No. 5 perforated silicone stopper mounts in standard 125 ml filtering flask
Dimensions	
Height, cm	15.2
Diameter, cm	2.5



Ordering Information:

Cat No.	Description	Price /Piece
259.202.01	Microanalysis Filter Holder, 25 mm, fritted glass support with Flask	8980

Replacement Parts

259.245.01	Funnel, 15 ml, borosilicate glass	2215
259.245.02	Fritted Glass Base with stopper, 25 mm	4905
259.245.03	Spring Clamp, 25 mm, aluminum	2720
259.245.06	No. 5 perforated stopper, silicone	345

Cat No.	Description	Price /Piece
259.202.03	Microanalysis Filter Holder, 25 mm, stainless steel support with Flask	8280

Replacement Parts

259.245.01	Funnel, 15 ml, borosilicate glass	2215
259.245.03	Spring Clamp, 25 mm, aluminum	2725
259.245.05	Base stopper & stainless steel screen	2665
259.245.06	No. 5 perforated stopper, silicone	345
259.245.07	Gaskets, Teflon	120
259.245.08	Support Screen, 25 mm, stainless steel	890

Optional Accessories

259.245.04	Vacuum filtering flask, 125 ml	3585
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VACUUM FILTERING FLASK HAS TO BE ORDER SEPARATELY

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	Price /Piece
263.202.01	Glass Filter Holder with stainless steel screen, 90 mm	31745

Replacement Parts

Cat. No.	Description	Price /Piece
263.245.01	Funnel, 1L, 90 mm, ground glass seal	14985
263.245.02	Vacuum Base and Cap, 90 mm	11745
263.245.03	Stainless Steel Screen, PTFE coated, 90 mm	6335
263.245.04	Gasket, PTFE 90 mm	195
263.245.05	Spring Clamp, 90 mm anodized aluminum	5410

Optional Accessories

Cat. No.	Description	Price /Piece
258.245.04	Ground Joint Flask, 1 L	5320
263.245.06	Bottle Vacuum 2 L	17225
263.245.07	Bottle Vacuum 5 L	34625
258.245.09	Ground Joint Flask 5 L	10025



258.245.04



263.245.07

Vacuum Pump

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	Price /Piece
970.DNEU.01	230	50	31500

Technical Specification :

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

Vacuum Filtration Manifold



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

Item Code	Volt	Hz	Price /Piece
252.202.01	230	50	52800

Vacuum Filter Holders and Filtration Accessories for use in :

- Use 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 ²

Also available in :

**6 Station Vacuum
Filtration Manifold**

Flasks



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

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	Price /Piece
231.202.01	25	42	22	75	10	110
231.202.02	50	51	22	90	10	110
231.202.03	100	64	22	105	10	115
231.202.03A*	150	74	28	118	10	140
231.202.04	250	85	34	145	10	175
231.202.05	500	105	34	180	10	250
231.202.06	1000	131	42	220	10	425
231.202.07	2000	166	50	280	6	740
231.202.08	3000	187	50	310	1	2125
231.202.09	5000	220	50	365	1	3285

*Non DIN



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

Flask, Amber, 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)	Tube dia (mm)	Height (mm)	Pack of	Price /Piece
231.519.03	100	64	22	105	10	220
231.519.03A*	150	74	28	118	10	260
231.519.04	250	85	34	145	10	350
231.519.05	500	105	34	180	10	555
231.519.06	1000	131	42	220	10	940

*Non DIN



GLASS BORO 3.3

WHITE PRINTING

Chemical Resistant

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	Price / Piece
231.402.01	25	5	10-25	0	12	115
231.402.02	50	10	20-50	1	12	115
231.402.03A	125	25	50-125	5	12	135
231.402.04	250	25	50-225	6	12	165
231.402.04A	300	25	100-300	6	12	180
231.402.05	500	50	100-500	7	6	240
231.402.06	1000	50	250-1000	9	6	395
231.402.07	2000	100	600-2000	10	4	675
231.402.08A	4000	250	1000-4000	10	1	1890
231.402.09	6000	500	1500-6000	10	1	3000

Flask, Heavy, Conical (Erlenmeyer) Narrow Mouth

- 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	Price /Piece
231.237.01	25	42	22	75	10	160
231.237.02	50	51	22	90	10	170
231.237.03	100	64	22	105	10	205
231.237.03A*	150	74	28	118	10	220
231.237.05	250	85	34	145	10	290
231.237.07	500	105	34	180	10	440
231.237.08	1000	131	42	220	10	880
231.237.09	2000	166	50	280	6	1270
231.237.10	3000	187	50	310	1	2120
231.237.12	5000	220	50	365	1	3275

* Non DIN



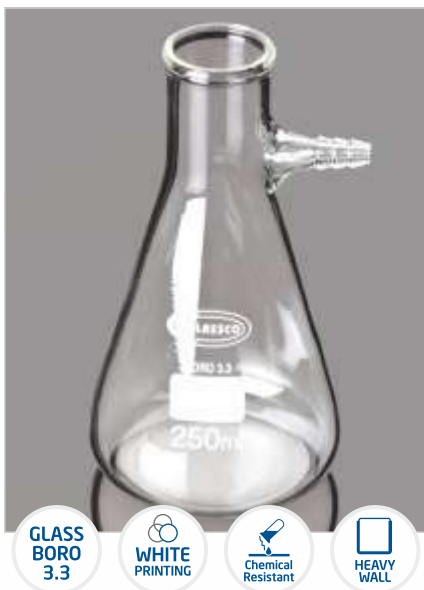
Flask, Conical (Erlenmeyer) Wide Mouth

- 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)	Body dia (mm)	Tube dia (mm)	Height (mm)	Pack of	Price /Piece
232.202.01*	25	42	31	70	10	110
232.202.02	50	51	34	85	10	115
232.202.03	100	64	34	105	10	135
232.202.05	250	85	50	140	10	185
232.202.07	500	105	50	175	10	290
232.202.08	1000	131	50	220	10	505
232.202.09*	2000	166	72	276	6	805

* 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	Price /Piece
074.202.00	50	2	270
074.202.01	100	2	400
074.202.02	250	2	590
074.202.03	500	2	705
074.202.04	1000	2	1090
074.202.05	2000	1	2175
074.202.08	5000	1	7925



Flask, Buchner, plain side arm and ground socket

- 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	Price / Piece
074.205.01B	100	19/26	107	70	2	445
074.205.01C	100	24/29	107	70	2	445
074.205.02	250	24/29	158	85	2	625
074.205.02A	250	29/32	158	85	2	625
074.205.03	500	24/29	188	105	2	715
074.205.03A	500	29/32	188	105	2	715
074.205.04	1000	24/29	238	138	2	2095
074.205.04A	1000	29/32	238	138	2	2095

Flask, Conical, With Joint

- Complies with ISO 4797
- Ideal for mixing liquids

Item Code	Capacity (ml)	Socket Size	Overall Height	Overall Dia (mm)	Pack of	Price /Piece
071.202.06	25	14/23	70	42	10	210
071.202.07	25	19/26	70	42	10	235
071.202.08	50	14/23	85	51	10	215
071.202.09	50	19/26	85	51	10	215
071.202.10*	50	24/29	85	51	10	215
071.202.10A*	50	29/32	85	51	10	265
071.202.11	100	14/23	100	64	10	245
071.202.12	100	19/26	100	64	10	245
071.202.13	100	24/29	100	64	10	245
071.202.14	100	29/32	100	64	10	310
071.202.15*	150	19/26	118	72	10	275
071.202.16*	150	24/29	118	72	10	275
071.202.17*	150	29/32	118	72	10	275
071.202.17A*	200	29/32	131	79	10	275
071.202.18	250	19/26	140	85	10	275
071.202.19	250	24/29	140	85	10	275
071.202.20	250	29/32	140	85	10	340
071.202.21A*	300	29/32	156	87	10	340
071.202.22	500	19/26	175	105	10	390
071.202.22A	500	24/29	175	105	10	390
071.202.23	500	29/32	175	105	10	390
071.202.25	1000	24/29	220	131	10	725
071.202.26	1000	29/32	220	131	10	725
071.202.27	1000	34/35	220	131	10	780
071.202.28	2000	29/32	270	166	6	1055
071.202.29	2000	34/35	270	166	6	1055
071.202.30	3000	45/40	310	187	1	2580
071.202.31	5000	45/40	365	220	1	2580

* Non Din

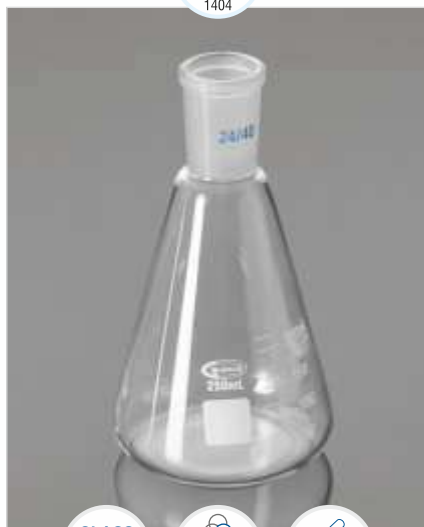


Flask, Iodine

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

Item Code	Capacity (ml)	Joint Size	Pack of	Price / Piece
072.202.01	250	24/29	2	385
072.202.02	250	29/32	2	394
072.202.03	500	24/29	2	480
072.202.04	500	29/32	2	460





GLASS BORO 3.3



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	Price / Piece
071.470.04*	10	14/20	2	220
071.470.06*	25	14/20	2	220
071.470.09*	50	14/20	2	235
071.202.50	50	19/38	2	235
071.470.10A*	50	24/40	2	245
071.470.51A*	125	19/22	2	265
071.202.51	125	24/40	2	265
071.202.52	250	24/40	2	285
071.202.52A*	300	24/40	2	315
071.202.53	500	24/40	2	405
071.202.54	1000	24/40	1	775
071.202.55	2000	24/40	1	1105

* Non ASTM Standard



GLASS BORO 3.3



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	Price / Piece
076.276.01	25	14/23	42	70	2	255
076.276.02	50	19/26	51	85	2	305
076.276.03	100	24/29	64	100	2	350
076.276.03A	100	29/32	64	100	2	350
076.276.04B	250	29/32	85	140	2	390
076.276.05	500	24/29	105	175	2	545
076.276.05B	500	29/32	105	175	2	545
076.276.06	1000	29/32	131	220	2	820
076.276.07	2000	29/32	166	270	1	1100

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	Price / Piece
075.202.01	50	GL 25	51	2	305
075.202.02	100	GL 25	64	2	325
075.202.03	150	GL 25	72	2	375
075.207.04	250	GL 45	85	2	430
075.207.05	500	GL 45	105	2	550
075.207.06	1000	GL 45	131	2	1050
075.207.07	2000	GL 45	166	2	1505
075.207.10	5000	GL 45	220	2	7065



Flask, Erlenmeyer, Conical, Narrow Mouth

- Compliance with ISO 4797
- Made From Heat Resistant
- 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
- These flasks can be closed with a glass stopper
- Coloured in Amber to protect light-sensitive material

Item Code	Capacity (ml)	Interchangeable Joint	Pack of	Price / Piece
076.502.00	25	14/23	2	410
076.502.01	50	19/26	2	420
076.502.02	100	24/29	2	515
076.502.03	250	24/29	2	640
076.502.04	500	24/29	2	1050





Flask, Culture, Baffled, Heavy Wall, with Membrane Cap

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Ideal for Use of in preparation of culture
- 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	Price / Piece
075.212.04	250	85	145	45	2	2480
075.212.05	500	105	180	45	2	2760
075.212.06	1000	131	220	45	2	3900
075.212.07	2000	166	280	45	1	4860



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 (mm)	Pack of	Price /Piece
235.207.07	3000*	245 x 280	1	3900
235.207.08	4000	246 x 310	1	4335

*3000 ml not covered in standards

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	Price / Piece
073.202.03*	100	65	215	7	100	2	355
073.205.01	125	68	215	7	100	2	355
073.202.04	250	85	226	9	130	2	575
073.202.05*	500	105	240	9	130	2	685

* 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

Item Code	Capacity (ml)	Dia. (mm)	Height (mm)	Side Dia. (mm)	Arm Length	Pack of	Price / Piece
073.206.01	125	68	215	8	100	2	555



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	Price /Piece
069.502.01	50	29/32	95	2	1295
069.502.02	100	24/29	110	2	1910
069.502.03	100	29/32	110	2	2030
069.502.04	250	24/29	135	2	2845
069.502.05	250	29/32	135	2	3020
069.502.06	500	24/29	160	2	3290
069.502.07	500	29/32	160	2	3425
069.502.08	1000	24/29	190	2	5745
069.502.09	1000	29/32	190	2	5950
069.502.10	2000	29/32	235	1	7750

Flask, Conical

- Made of Polypropylene
- Are Rigid, Translucent & Autoclavable
- Screw cap keeps the contents of flask contamination Free and leakproof



Item Code	Capacity (ml)	Pack of	Price /Pack
111.303.01	100	12	945
111.303.02	250	12	1140
111.303.03	500	12	1870

Threads should be disengaged before autoclaving.



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	Price /Piece
235.202.01	50	51	26	90	10	135
235.202.02	100	64	26	105	10	145
235.204.02*	150	74	28	115	10	165
235.202.03	250	85	34	138	10	175
235.204.03*	300	93	34	143	10	255
235.202.04	500	105	34	163	10	290
235.202.05	1000	131	42	190	10	445
235.202.06	2000	166	50	230	6	850
235.202.07*	3000	185	50	250	1	2425
235.202.08*	5000	233	50	290	1	3525
235.202.09	10000	280	65	360	1	8295
235.202.10*	20000	350	75	495	1	13810

* Non DIN



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	Price /Piece
236.202.01	50	51	34	90	10	135
236.202.02	100	64	34	105	10	150
236.202.03	250	85	50	138	10	165
236.202.04	500	105	50	163	10	280
236.202.05	1000	131	50	190	10	385
236.202.06	2000	166	76	230	6	795



Flask, Boiling, Flat Bottom, with Joint

- Complies with DIN / ISO 4797 and USP standard



Item Code	Capacity (ml)	Socket Size	Approx. Overall Height (mm)	Dia (mm)	Pack of	Price / Piece
058.202.00*	50	14/23	85	51	10	225
058.202.01	50	19/26	85	51	10	225
058.202.02*	50	24/29	85	51	10	225
058.202.02A	50	29/32	85	51	10	225
058.202.03B*	100	14/23	103	64	10	225
058.202.03	100	19/26	103	64	10	225
058.202.04*	100	24/29	103	64	10	225
058.202.05	100	29/32	103	64	10	225
058.202.07*	150	19/26	115	74	10	270
058.202.08*	150	24/29	115	74	10	270
058.202.09*	150	29/32	115	74	10	270
058.202.11A*	250	14/23	130	85	10	270
058.202.11	250	19/26	130	85	10	270
058.202.12*	250	24/29	130	85	10	270
058.202.13	250	29/32	130	85	10	270
058.202.14*	250	34/35	130	85	10	270
058.202.15*	500	19/26	160	105	10	415
058.202.16*	500	24/29	160	105	10	415
058.202.17	500	29/32	160	105	10	415
058.202.18*	500	34/35	160	105	10	415
058.202.19A*	1000	19/26	187	131	10	415
058.202.19*	1000	24/29	187	131	10	555
058.202.20	1000	29/32	187	131	10	555
058.202.21*	1000	34/35	187	131	10	555
058.202.22*	2000	24/29	230	166	6	1000
058.202.23	2000	29/32	230	166	6	1000
058.202.24*	2000	34/35	230	166	6	1000
058.202.25*	3000	29/32	250	185	1	2705
058.202.25A*	3000	34/35	250	185	1	2705
058.202.25B*	3000	45/40	250	185	1	2825
058.202.26B*	5000	29/32	290	223	1	4305
058.202.26A*	5000	34/35	290	223	1	4305
058.202.26*	5000	45/40	290	223	1	4615

* 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



Item Code	Capacity (ml)	Socket Size	Approx. Overall Height (mm)	Dia (mm)	Pack of	Price / Piece
058.202.56	50	24/40	95	51	2	235
058.202.58	100	24/40	110	64	2	235
058.202.58A	125	24/40	110	69	2	240
058.202.58C	200	24/40	123	75	2	295
058.202.59	250	24/40	130	85	2	295
058.202.59A	300	24/40	140	88	2	295
058.202.60	500	24/40	160	105	2	425
058.470.23	1000	29/42	178	131	1	565
058.202.61	1000	24/40	205	131	1	565
058.202.62	2000	24/40	178	166	1	1060

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	Price /Piece
233.202.01	50	51	26	95	10	130
233.202.02	100	64	26	110	10	145
233.203.02*	150	74	28	118	10	165
233.202.03	250	85	34	143	10	165
233.202.04	500	105	34	168	10	285
233.202.05	1000	131	42	200	10	390
233.202.06	2000	166	50	240	6	865
233.202.07*	3000	185	50	260	1	2345
233.202.08*	5000	223	50	305	1	3515
233.202.09	10000	279	65	380	1	7340
233.202.10*	20000	350	75	510	1	13755

* Non DIN



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	Price /Piece
234.202.01	50	51	34	95	10	145
234.202.02	100	64	34	110	10	170
234.202.03	250	85	50	143	10	190
234.202.04	500	105	50	168	10	305
234.202.05	1000	131	50	200	10	415
234.202.07	2000	166	76	240	6	930





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	Price / Piece
057.202.05	25	14/23	85	41	10	225
057.202.06*	25	19/26	85	41	10	225
057.202.07*	25	24/29	85	41	10	225
057.202.08	50	14/23	90	51	10	225
057.202.09	50	19/26	90	51	10	225
057.202.10	50	24/29	90	51	10	225
057.202.10A	50	29/32	90	51	10	225
057.202.11	100	14/23	105	64	10	225
057.202.12	100	19/26	105	64	10	225
057.202.13	100	24/29	105	64	10	225
057.202.14	100	29/32	105	64	10	225
057.202.16*	150	19/26	137	75	10	290
057.202.17*	150	24/29	137	75	10	290
057.202.18*	150	29/32	137	75	10	290
057.202.20*	250	14/23	140	85	10	290
057.202.21	250	19/26	140	85	10	290
057.202.22	250	24/29	140	85	10	290
057.202.23	250	29/32	140	85	10	290
057.202.24*	250	34/35	140	85	10	290
057.202.25*	500	19/26	163	105	10	405
057.202.26	500	24/29	163	105	10	405
057.202.27	500	29/32	163	105	10	405
057.202.28*	500	34/35	163	105	10	405
057.202.29*	1000	19/26	200	131	10	550
057.202.30	1000	24/29	200	131	10	550
057.202.31	1000	29/32	200	131	10	550
057.202.32*	1000	34/35	200	131	10	550
057.202.33	2000	24/29	240	165	6	1065
057.202.34	2000	29/32	240	165	6	1065
057.202.35*	2000	34/35	240	165	6	1065
057.202.36A*	3000	24/29	260	185	1	3000
057.202.36*	3000	29/32	260	185	1	3000
057.202.37*	3000	45/40	260	185	1	3000
057.202.40A*	5000	24/29	305	223	1	4545
057.202.40*	5000	29/32	305	223	1	4545
057.202.40B*	5000	34/35	305	223	1	4545
057.202.41*	5000	45/40	305	223	1	4545
057.202.44*	10000	29/32	380	279	1	9410
057.202.45A*	10000	34/35	380	279	1	9155
057.202.45	10000	45/40	380	279	1	9155
057.202.45B*	10000	55/44	380	279	1	9155
057.202.47B*	20000	55/44	435	345	1	16040

* Non DIN

Flask, Round Bottom, Single Neck with Joint

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- These Flasks comes 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	Price / Piece
057.202.57	50	24/40	100	51	2	220
057.202.58	100	24/40	118	64	2	235
057.202.58A	200	24/40	128	75	2	290
057.202.59	250	24/40	140	85	2	290
057.202.59A	300	24/40	148	88	2	305
057.202.60	500	24/40	158	105	2	410
057.202.61	1000	24/40	185	130	1	550
057.202.62	2000	24/40	215	165	1	1050
057.470.55B	25	24/40	90	41	2	220
057.470.09	50	19/22	80	51	2	220
057.470.11	100	14/20	100	64	2	225
057.470.12	100	19/22	100	64	2	225
057.470.20	250	14/20	120	85	2	290
057.470.21	250	19/22	120	85	2	290
057.470.25	500	19/22	140	105	2	410
057.470.25A	500	14/20	140	105	2	410
057.470.53	10	14/20	59	31	2	220
057.470.53A	10	19/22	59	31	2	220
057.470.55	25	14/20	75	41	2	220
057.470.55A	25	19/22	75	41	2	220
057.470.52	5	14/20	46	25	2	220



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	Price / Piece
059.202.01*	50	24/29	14/23	92±2	1	310
059.202.02*	50	29/32	14/23	92±2	1	310
059.202.03*	100	24/29	14/23	107	1	335
059.202.04*	100	24/29	19/26	107	1	335
059.202.05*	100	29/32	14/23	107	1	335
059.202.06*	250	24/29	14/23	142	1	445
059.202.07*	250	24/29	19/26	142	1	445
059.202.08	250	29/32	14/23	142	1	445
059.202.09*	500	24/29	14/23	165±3	1	640
059.202.10*	500	24/29	19/26	165±3	1	640
059.202.11	500	29/32	14/23	165±3	1	640
059.202.12*	1000	24/29	14/23	203±	1	795
059.202.13*	1000	24/29	19/26	203±	1	795
059.202.14	1000	29/32	14/23	203±	1	795
059.202.15A*	2000	24/29	19/26	243	1	1425
059.202.15*	2000	34/35	19/26	243	1	1425
059.202.20*	3000	34/35	19/26	260±3	1	3800
059.202.20A*	3000	34/35	24/29	260±3	1	3700
059.202.24*	5000	34/35	19/26	305±4	1	5545
059.202.24A*	5000	34/35	24/29	305±4	1	5545
059.202.28*	10000	34/35	24/29	380±5	1	9975
059.202.29*	10000	55/44	24/29	380±5	1	9975
059.202.30*	20000	55/44	24/29	435±5	1	16780

PS : These flasks can also be provided in other joint sizes

* Non DIN



Flask, Round Bottom, 2 Necks Angular

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Round bottom flask with ASTM joint sizes
- Angular



Item Code	Capacity (ml)	Socket Size	Side Socket	Pack of	Price / Piece
059.470.00	50	14/20	14/20	1	315
059.470.00A	25	14/20	14/20	1	315
059.470.03	100	14/20	14/20	1	330
059.470.05A	100	24/40	24/40	1	330
059.470.08	250	24/40	24/40	1	425
059.470.10	500	24/40	24/40	1	605
059.470.15	1000	24/40	24/40	1	760

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



Item Code	Capacity (ml)	Socket Size	Side Socket	Approx. Overall Height (mm)	Pack of	Price / Piece
059.212.00	50	24/29	14/23	90	1	330
059.212.00A	50	29/32	14/23	90	1	330
059.212.01*	100	24/29	14/23	105	1	330
059.212.01A*	100	24/29	19/26	105	1	330
059.212.01B*	100	29/32	14/23	105	1	330
059.212.02*	250	24/29	14/23	140	1	440
059.212.02A*	250	24/29	19/26	140	1	440
059.212.02B	250	29/32	14/23	140	1	440
059.212.03*	500	24/29	14/23	163	1	640
059.212.03A*	500	24/29	19/26	163	1	640
059.212.03B	500	29.32	14/23	163	1	640
059.212.04*	1000	24/29	14/23	200	1	785
059.212.04A*	1000	24/29	19/26	200	1	799
059.212.04B	1000	29/32	14/23	200	1	795
059.212.05*	2000	24/29	19/26	240	1	1410
059.212.05A*	2000	34/35	19/26	240	1	1410
059.212.06*	3000	34/35	19/26	260	1	3795
059.212.06A*	3000	34/35	24/29	260	1	3795
059.212.07*	5000	34/35	19/26	305	1	5595
059.212.07A*	5000	34/35	24/29	305	1	5595
059.212.08*	10000	34/35	24/29	380	1	10065
059.212.08A*	10000	55/44	24/29	380	1	10065
059.212.09*	20000	55/44	24/29	435	1	16775

* 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	Price / Piece
060.202.01*	100	19/26	14/23	105	1	465
060.202.02*	100	24/29	14/23	105	1	465
060.202.03*	100	24/29	19/26	105	1	465
060.202.02A*	100	14/23	14/23	105	1	465
060.202.03A*	100	29/32	14/23	105	1	465
060.202.04*	250	19/26	19/26	140	1	595
060.202.04A*	250	19/26	14/23	140	1	595
060.202.05*	250	24/29	14/23	140	1	595
060.202.06*	250	24/29	19/26	140	1	595
060.202.07	250	29/32	14/23	140	1	595
060.202.08	250	29/32	19/26	140	1	595
060.202.08A*	250	29/32	29/32	140	1	595
060.202.09*	500	24/29	14/23	163	1	895
060.202.10*	500	24/29	19/26	163	1	895
060.202.11	500	29/32	14/23	163	1	895
060.202.12	500	29/32	19/26	163	1	895
060.202.12A*	500	29/32	29/32	163	1	895
060.202.13*	1000	24/29	14/23	200	1	1105
060.202.14*	1000	24/29	19/26	200	1	1105
060.202.15	1000	29/32	14/23	200	1	1105
060.202.16	1000	29/32	19/26	200	1	1105
060.202.17*	1000	29/32	29/32	200	1	1104
060.202.18*	2000	24/29	19/26	240	1	1985
060.202.19*	2000	29/32	24/29	240	1	1985
060.202.20*	2000	29/32	29/32	240	1	1985
060.202.26*	3000	34/35	19/26	260	1	4835
060.202.26A*	3000	34/35	24/29	260	1	4835
060.202.29B*	5000	34/35	19/26	305	1	6665
060.202.29*	5000	34/35	24/29	305	1	6665
060.202.32*	10000	34/35	24/29	380	1	13195
060.202.33*	10000	45/40	24/29	380	1	13195
060.202.34*	20000	55/44	24/29	435	1	19665

* Non DIN



ASTM Sizes

Item Code	Capacity (ml)	Socket Size	Side Socket	Pack of	Price /Piece
060.470.00	25	14/20	14/20	1	365
060.470.00A	50	14/20	14/20	1	375
060.470.01	100	14/20	14/20	1	440
060.470.01A	100	19/22	19/22	1	440
060.470.03	100	24/40	19/22	1	440
060.470.03A	100	24/40	24/40	1	440
060.470.04	250	14/20	14/20	1	565
060.470.04A	250	19/22	19/22	1	565
060.470.08A	250	24/40	24/40	1	565
060.470.09	500	24/40	24/40	1	825
060.470.10	500	19/22	19/22	1	825
060.470.19	1000	24/40	24/40	1	1020

Flask, Round Bottom, 3 Neck Parallel

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass
- Available Three Neck Parallel



Item Code	Capacity (ml)	Centre Size	Side Socket	Approx. Overall Height (mm)	Pack of	Price / Piece
061.202.00A*	100	19/26	14/23	105	1	475
061.202.00*	100	14/23	14/23	105	1	455
061.202.00B*	100	24/29	14/23	105	1	475
061.202.00C*	100	24/29	19/26	105	1	475
061.202.01*	250	24/29	19/26	140	1	595
061.202.01A*	250	19/26	19/26	140	1	595
061.202.02*	250	29/32	14/23	140	1	595
061.202.02A*	250	29/32	29/32	140	1	595
061.202.03*	500	24/29	19/26	163	1	895
061.202.03A*	500	19/26	19/26	163	1	895
061.202.04*	500	29/32	14/23	163	1	895
061.202.05	500	29/32	19/26	163	1	895
061.202.05A	500	29/32	29/32	163	1	895
061.202.06*	1000	24/29	19/26	200	1	1095
061.202.07*	1000	29/32	14/23	200	1	1095
061.202.08*	1000	29/32	19/26	200	1	1095
061.202.09*	1000	29/32	24/29	200	1	1095
061.202.10	1000	29/32	29/32	200	1	1095
061.202.11*	2000	24/29	19/26	240	1	1995
061.202.12*	2000	29/32	19/26	240	1	1995
061.202.13	2000	29/32	29/32	240	1	1995
061.202.14*	2000	34/35	19/26	240	1	1995
061.202.15*	2000	34/35	24/29	240	1	1995
061.202.17*	3000	34/35	24/29	260	1	4870
061.202.18*	3000	34/35	19/26	260	1	4870
061.202.19A*	5000	34/35	19/26	305	1	6720
061.202.19*	5000	34/35	24/29	305	1	6720
061.202.26*	10000	34/35	24/29	380	1	13305
061.202.26A*	10000	45/40	24/29	380	1	13305
061.202.27*	20000	55/44	24/29	435	1	19820

PS : All 2 Neck and 3 Neck Flasks can be provided in ASTM joint sizes on request

* Non DIN

ASTM Sizes

Item Code	Capacity (ml)	Socket Size	Side Socket	Pack of	Price /Piece
061.470.00	100	14/20	14/20	1	445
061.470.00A	100	24/40	24/40	1	445
061.402.06	250	24/40	24/40	1	565
061.402.09	500	24/40	24/40	1	830
061.470.05A	500	29/42	29/42	1	830
061.402.12	1000	24/40	24/40	1	1030
061.470.10	1000	29/42	29/42	1	1030
061.402.15	2000	24/40	24/40	1	1845

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 3.3 Borosilicate Glass.



Item Code	Capacity (ml)	Interchangeable		Pack of	Price / Piece
		Centre Neck	Side Neck		
060.240.00*	50	24/29	24/29	1	670
060.240.01*	100	19/26	14/23	1	750
060.240.02*	100	24/29	14/23	1	750
060.240.02A*	100	14/23	14/23	1	750
060.240.03*	100	24/29	19/26	1	750
060.240.03A*	100	29/32	14/23	1	750
060.240.04*	250	19/26	19/26	1	925
060.240.04A*	250	19/26	14/23	1	925
060.240.05*	250	24/29	14/23	1	925
060.240.06*	250	24/29	19/26	1	925
060.240.07*	250	29/32	14/23	1	925
060.240.08	250	29/32	19/26	1	925
060.240.08A*	250	29/32	29/32	1	925
060.240.09*	500	24/29	14/23	1	1305
060.240.10*	500	24/29	19/26	1	1305
060.240.10A*	500	24/29	24/29	1	1305
060.240.11*	500	29/32	14/23	1	1305
060.240.12	500	29/32	19/26	1	1305
060.240.12A	500	29/32	29/32	1	1305
060.240.12B*	500	34/35	24/29	1	1305
060.240.13*	1000	24/29	14/23	1	1570
060.240.14*	1000	24/29	19/26	1	1625
060.240.14A*	1000	24/29	24/29	1	1625
060.240.15*	1000	29/32	14/23	1	1625
060.240.16*	1000	29/32	19/26	1	1625
060.240.17	1000	29/32	29/32	1	1625
060.240.17A*	1000	34/35	24/29	1	1625
060.240.18*	2000	24/29	19/26	1	2700
060.240.18A*	2000	24/29	14/23	1	2700
060.240.19*	2000	29/32	24/29	1	2700
060.240.20	2000	29/32	29/32	1	2700
060.240.20A*	2000	34/35	19/26	1	2700
060.240.20B*	2000	34/35	24/29	1	2700
060.240.26*	3000	34/35	19/26	1	6115
060.240.26A*	3000	34/35	24/29	1	6115
060.240.29*	5000	34/35	24/29	1	8410
060.240.29B*	5000	34/35	19/26	1	8410
060.240.32*	10000	34/35	24/29	1	15005
060.240.33*	10000	45/40	24/29	1	15005
060.240.33A*	10000	55/44	24/29	1	15005
060.240.34*	20000	55/44	24/29	1	22140

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



Item Code	Capacity (ml)	Interchangeable		Pack of	Price / Piece
		Centre Neck	Side Neck		
061.240.00*	50	24/29	24/29	1	655
061.240.00B*	100	24/29	14/23	1	735
061.240.00BA*	100	24/29	19/26	1	735
061.240.01*	250	24/29	19/26	1	895
061.240.01A*	250	19/26	19/26	1	895
061.240.01B*	250	24/29	14/23	1	895
061.240.02*	250	29/32	14/23	1	895
061.240.02A*	250	29/32	29/32	1	895
061.240.03*	500	24/29	19/26	1	1275
061.240.03A*	500	19/26	19/26	1	1275
061.240.03B*	500	24/29	24/29	1	1275
061.240.03C*	500	24/29	14/23	1	1275
061.240.04*	500	29/32	14/23	1	1275
061.240.05	500	29/32	19/26	1	1275
061.240.05A	500	29/32	29/32	1	1275
061.240.05B*	500	34/35	24/29	1	1275
061.240.06*	1000	24/29	19/26	1	1555
061.240.06A*	1000	24/29	14/23	1	1555
061.240.06B*	1000	24/29	24/29	1	1555
061.240.07*	1000	29/32	14/23	1	1555
061.240.08*	1000	29/32	19/26	1	1555
061.240.09*	1000	29/32	24/29	1	1555
061.240.10	1000	29/32	29/32	1	1555
061.240.10A*	1000	34/35	24/29	1	1555
061.240.10B*	1000	45/40	29/32	1	1555
061.240.11*	2000	24/29	19/26	1	2635
061.240.11A*	2000	24/29	14/23	1	2635
061.240.12*	2000	29/32	19/26	1	2635
061.240.13	2000	29/32	29/32	1	2635
061.240.14*	2000	34/35	19/26	1	2635
061.240.15*	2000	34/35	24/29	1	2635
061.240.15B*	2000	45/40	29/32	1	2635
061.240.16B*	3000	29/32	29/32	1	6090
061.240.17*	3000	34/35	19/26	1	6090
061.240.18*	3000	34/35	24/29	1	6090
061.240.18B*	3000	45/40	29/32	1	6090
061.240.19A*	5000	34/35	19/26	1	8410
061.240.19*	5000	34/35	24/29	1	8410
061.240.26*	10000	34/35	24/29	1	14730
061.240.26A*	10000	45/40	24/29	1	14730
061.240.26B*	10000	55/44	24/29	1	14730
061.240.27*	20000	55/44	24/29	1	21960

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	Price / Piece
078.202.01	1000	170	1	2080
078.202.02	2000	205	1	2875
078.202.04	5000	260	1	6255
078.202.05	10000	335	1	13195
078.202.06	20000	400	1	22710



Lids, For Flasks Reaction

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

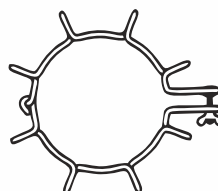
Item Code	Centre	Parellel	Interchangeable Joint Size			Pack of	Price / Piece
			Side 5°	Side 10°	Side 15°		
079.202.01	19/26	19/26	24/29	19/26	-	1	4945
079.202.02	19/26	14/23	14/23	14/23	29/32	1	4945
079.202.03	29/32	14/23	14/23	14/23	29/32	1	4945



Flask, Stainless steel clips for reaction Flask

- With wing nuts holding 100mm flat flangs.

Item Code	Dia (mm)	Price / Piece
080.202.01	100	2275





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

Item Code	Capacity (ml)	Socket Size	Approx. Dia (mm)	Approx. Overall Height (mm)	Pack of	Price / Piece
062.202.06*	25	14/23	42	90	10	235
062.202.07	50	14/23	51	100	10	255
062.202.09	100	14/23	64	130	10	325

* 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°

Item Code	Capacity (ml)	Centre Size	Side Socket	Approx. Overall Height (mm)	Pack of	Price / Piece
063.202.01	50	14/23	14/23	100	1	565
063.202.02	100	14/23	14/23	130	1	600

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	Price / Piece
062.470.06	25	14/20	1	240
062.470.07	50	14/20	1	265
062.470.07A	50	24/40	1	265
062.470.09	100	14/20	1	345
062.470.11	100	24/40	1	345
062.470.12	200	14/20	1	430



Flask Reaction, With Glass Stopcock

With 2mm glass stopcock

Item Code	Capacity (ml)	Socket Size	Pack of	Price / Piece
059.468.01	50	14/20	1	495
059.468.07	250	24/40	1	595





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	Price / Piece
070.202.01	50	19/26	200	2	505
070.202.02	100	19/26	200	2	570
070.202.03	100	24/29	200	2	755
070.202.04	300	24/29	295	2	815
070.202.05	500	24/29	300	2	1015
070.202.06	800	24/29	340	2	1115



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	Price / Piece
077.202.01	100	60	200	2	250
077.202.02*	300	85	295	2	415
077.202.03	500	101	300	2	805
077.202.04*	800	117	340	2	960

* Non DIN

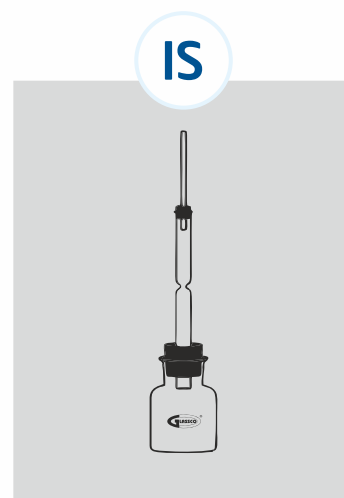
Arsenic Determination Apparatus as per USP

Item Code	Pack of	Price /Piece
345.202.01	1	4125



Arsenic Determination Apparatus as per IS

Item Code	Pack of	Price /Piece
345.207.01	1	4125



Tilt Measure

- Ideal for dispensing fixed volume of liquid
- Easy to use
- Tilt the unit backward to fill
- Tilt the unit forward to dispense
- Accuracy $\pm 5\%$ can be achieved
- Manufactured from chemically resistance 3.3 borosilicate tubing

Item Code	Capacity (ml)	Flask Capacity (ml)	N/S	Pack of	Price /Piece
071.252.13	5	100	24/29	5	980
071.252.19A	10	250	24/29	5	1045
071.252.19B	20	250	24/29	10	1185
071.252.19C	25	250	24/29	10	1275
071.252.19D	50	250	24/29	10	1485

* Available in 29/32 Joint size also



Flask, Brush

- Made of Nylon Bristles



Nylon

Item Code	Type	Material	Pack of	Price / Pack
593.303.04	Flask Brush	Nylon	50	6550

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



Si
240°C

Glass
Yarn

SS

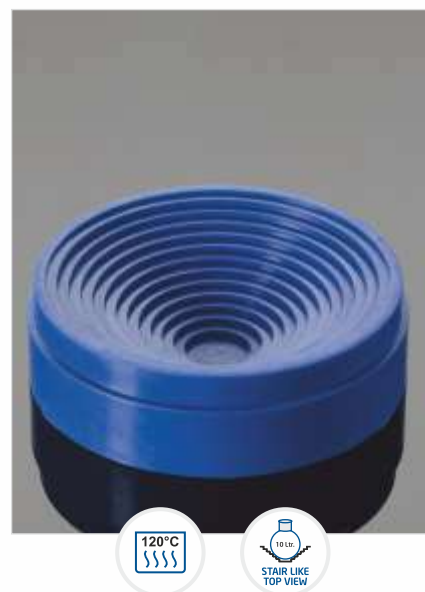
EU

Item Code	Length (mm)	Type	Max. Temp	Pack of	Price /Pack
396.303.05	250	Glass Fibre	500°C	4	1950
396.303.06	300	Glass Fibre	500°C	4	2055
396.303.07	250	Silicone	280°C	4	1500
396.303.08	300	Silicone	280°C	4	1650

Flask, Stand

- Gives stair like top view
- Every step provides excellent support to the round bottom flask
- Can hold round bot tom Flasks up to 10 Ltr. capacity
- Autoclavable

Item Code	Item	Material	Pack of	Price /Pack
115.303.01	Flask Stand	Polypropylene	6	1385
417.303.01	Flask Stand	Silicone	2	3880



Flask, Hand Grip

- Made of silicon
- Available with stand slip free mechanism
- Can withstand temp. upto 280°C

Item Code	Pack of	Price /Pack
418.303.01	1	1480





1st in Asia
Comes with Blue Meniscus

HIGHER

- Visibility
- Accuracy
- Confidence

1st in the World
QR-Coded Volumetric Flask

- Scan
- Certificate
- Calibration

INSTANT

1st Glassware Product
Integrated with **CaliberLIMS**

CHECK

- Authenticity
- Usage
- Alerts



In Collaboration with
CaliberLIMS

QR-LabGlassTM PATENT PENDING

Download ↓



Quick Scan
QR Code Reader



NEOREADER






QR Code
Reader

QR-LabGlass™



SCAN VOLUMETRIC FLASK

Please download your app  or  or 
and scan your Volumetric Flask with your smartphone



SELECT CERTIFICATE INDIVIDUAL/BATCH CONFORMITY OR USER MANUAL

Website will open with choice of batch or individual
certificate and please type Serial No. from Flask



PRINT OR SAVE YOUR CERTIFICATE

Your certificate is now ready to be saved or printed at
the time of your audit, before audit or after audit.

Available at
your Fingertips !

Volumetric Flasks



QR-CODED : SCAN YOUR CALIBRATED GLASS.

“iGlass ...

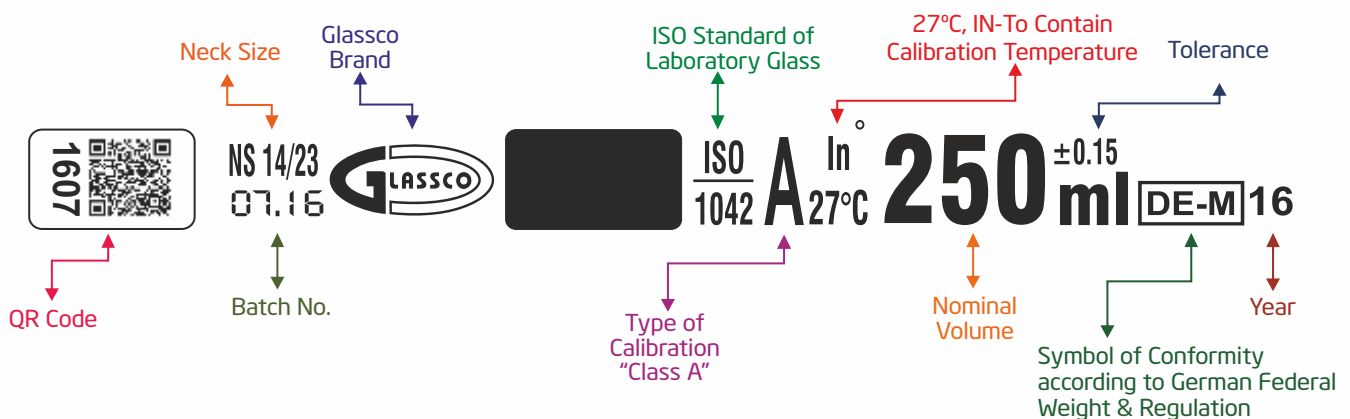
Intelligent & Instant at Your Finger Tips”

Glassco understand the different requirement of our Esteemed customer. Therefore **Glassco** has wide range of volumetric flask in **USP, ASTM, NABL** & for the first time in the world have come out **QR coded Volumetric flasks** which are designed to meet our valuable customer requirement, while ensuring optimum quality. **Glassco** volumetric flasks are specially design to withstand demands of various laboratories world class.

- **Glassco Volumetric Flasks** Class A are made from **ASTM E 438 TYPE 1 Class A** heat resistant **BORO 3.3 Glass**
- Meet **DIN/ISO 1042 & USP (ASTM E-288 standard)**
- The calibration is done on automatic computer controlled machine and are calibrated to contain (TC, In) according to the ISO USP or ASTM tolerance standards.
- Supplied with individual calibrated certificate/Conformity certificate/user manual can also be downloaded from the site after scanning the QR code from the volumetric flask
- **Glassco Volumetric Flasks** are supplied with both PE stoppers and glass stoppers
- All **Class ‘A’** ISO Compliance flasks are printed in Blue colour.
- The meniscus mark is diamond grinded for longer persistence and better accuracy
- Calibrated at 20°C & 27°C as per customer requirement
- Meniscus mark for QR coded flasks.

Overview of the Printing Coloured :

QR-CODED:
SCAN YOUR
CALIBRATED GLASS.
USP | DIN | ASTM | ISO



Flask, Volumetric, Class A, QR Coded with Penny Head glass & PE Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes specially printed QR code
- Each flask comes with Individual Work Certificate and Serial Number



Item Code	Cap. (ml)	N/S	Tolerance (±ml)	Pack of	Price /Piece
QRL.130.576.01	5*	10/19	0.040	1	970
QRL.130.576.02	10*	10/19	0.040	1	840
QRL.130.576.03	20*	10/19	0.040	1	840
QRL.130.576.04	25	10/19	0.040	1	775
QRL.130.576.05	50	12/21	0.060	1	735
QRL.130.576.06	100	14/23	0.100	1	715
QRL.130.576.07	200	14/23	0.150	1	1010
QRL.130.577.07	200*	14/23	0.150	1	1115
QRL.130.576.08	250	14/23	0.150	1	1010
QRL.130.576.09	500	19/26	0.250	1	1325
QRL.130.576.10	1000	24/29	0.400	1	1940
QRL.130.576.11	2000	29/32	0.600	1	3155
QRL.130.576.14	5000	34/35	1.200	1	13500



*5ml to 20ml Supplied with trapezoidal shape for better stability

*200ml also Supplied with trapezoidal shape for better stability



Flask, Volumetric, Amber, Class A, QR Coded with Penny Head glass & PE Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes specially printed QR code
- Each flask comes with Individual Work Certificate and Serial Number.
- Amber colour flask for light sensitive solution



Item Code	Cap. (ml)	N/S	Tolerance (±ml)	Pack of	Price /Piece
QRL.130.576.01A	5*	10/19	0.040	1	1155
QRL.130.576.02A	10*	10/19	0.040	1	1005
QRL.130.576.03A	20*	10/19	0.040	1	1005
QRL.130.576.04A	25	10/19	0.040	1	935
QRL.130.576.05A	50	12/21	0.060	1	885
QRL.130.576.06A	100	14/23	0.100	1	870
QRL.130.576.07A	200	14/23	0.150	1	1210
QRL.130.577.07A	200*	14/23	0.150	1	1330
QRL.130.576.08A	250	14/23	0.150	1	1190
QRL.130.576.09A	500	19/26	0.250	1	1595
QRL.130.576.10A	1000	24/29	0.400	1	2325
QRL.130.576.11A	2000	29/32	0.600	1	3775



*5ml to 20ml Supplied with trapezoidal shape for better stability

*200ml also Supplied with trapezoidal shape for better stability

Volumetric Flasks



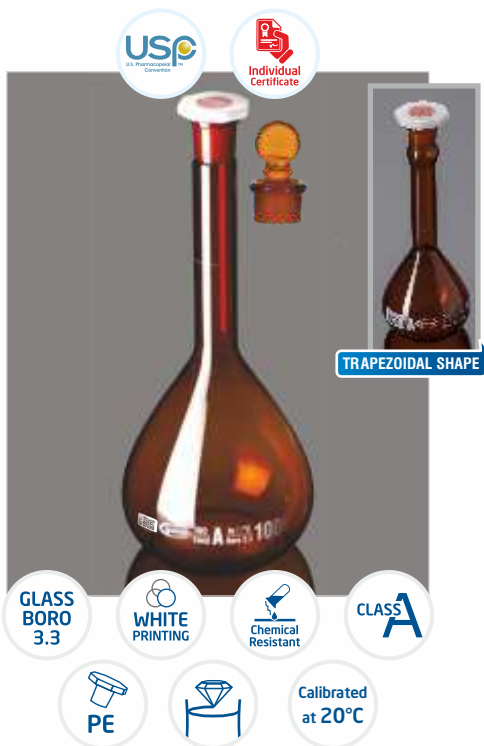
Flask, Volumetric, Clear, Class A, USP, QR Coded with Penny Head glass & PE Stopper, Calibrated at 20°C

- Compliance with **USP** Standards
- Each flask comes specially printed QR code
- Each flask comes with Individual Work Certificate and Serial Number.



New Item Code	Cap. ml	N/S	Tolerance (±ml)	Pack of	Price / Piece
QRL.130.520.01	5*	10/19	0.020	1	1085
QRL.130.520.02	10*	10/19	0.020	1	945
QRL.130.520.03	20*	10/19	0.030	1	945
QRL.130.520.04	25	10/19	0.030	1	870
QRL.130.520.05	50	12/21	0.050	1	825
QRL.130.520.06	100	14/23	0.080	1	815
QRL.130.520.07	200	14/23	0.100	1	1135
QRL.130.520.08	250	14/23	0.120	1	1140
QRL.130.520.09	500	19/26	0.150	1	1500
QRL.130.520.10	1000	24/29	0.300	1	2180
QRL.130.520.11	2000	29/32	0.500	1	3545

*5ml to 20ml Supplied with trapezoidal shape for better stability



Flask, Volumetric, Amber, Class A, USP, QR Coded with Penny Head Glass & Plastic Stopper, Calibrated at 20°C

- With Individual work Certificate and Serial Number
- Amber colour flask for light sensitive solution



New Item Code	Cap. ml	N/S	Tolerance (±ml)	Pack of	Price / Piece
QRL.130.520.01A	5*	10/19	0.020	1	1295
QRL.130.520.02A	10*	10/19	0.020	1	1135
QRL.130.520.03A	20*	10/19	0.030	1	1135
QRL.130.520.04A	25	10/19	0.030	1	1045
QRL.130.520.05A	50	12/21	0.050	1	1005
QRL.130.520.06A	100	14/23	0.080	1	980
QRL.130.520.07A	200	14/23	0.100	1	1385
QRL.130.520.08A	250	14/23	0.120	1	1390
QRL.130.520.09A	500	19/26	0.150	1	1830
QRL.130.520.10A	1000	24/29	0.300	1	2670
QRL.130.520.11A	2000	29/32	0.500	1	4305

*5ml to 20ml Supplied with trapezoidal shape for better stability

Volumetric Flasks

Flask, Volumetric, Clear Wide Mouth, Class A, USP, QR Coded with Penny Head glass & PE Stopper, Calibrated at 20°C

- Compliance with **USP** Standards
- Each flask comes specially printed QR code
- Each flask comes with Individual Work Certificate and Serial Number.



New Item Code	Cap. ml	N/S	Tolerance (±ml)	Pack of	Price / Piece
QRL.130.600.00	5*	12/21	0.06	1	1035
QRL.130.600.01	5*	14/23	0.06	1	1035
QRL.130.600.02B	10*	12/21	0.06	1	890
QRL.130.600.02	10	14/23	0.06	1	890
QRL.130.600.03B	20	12/21	0.06	1	925
QRL.130.600.03	20	14/23	0.06	1	925
QRL.130.600.04B	25	12/21	0.06	1	985
QRL.130.600.04	25	14/23	0.06	1	985
QRL.130.600.05	50	14/23	0.08	1	965
QRL.130.600.06	100	19/26	0.10	1	1010
QRL.130.600.07	200	19/26	0.12	1	1190
QRL.130.600.08	250	19/26	0.12	1	1285
QRL.130.600.09	500	19/26	0.15	1	1600
QRL.130.600.09W	500	24/29	0.30	1	1600
QRL.130.600.10	1000	24/29	0.30	1	2320
QRL.130.600.10W	1000	29/32	0.40	1	2320
QRL.130.600.11	2000	29/32	0.50	1	3545

*5ml to 20ml Supplied with trapezoidal shape for better stability



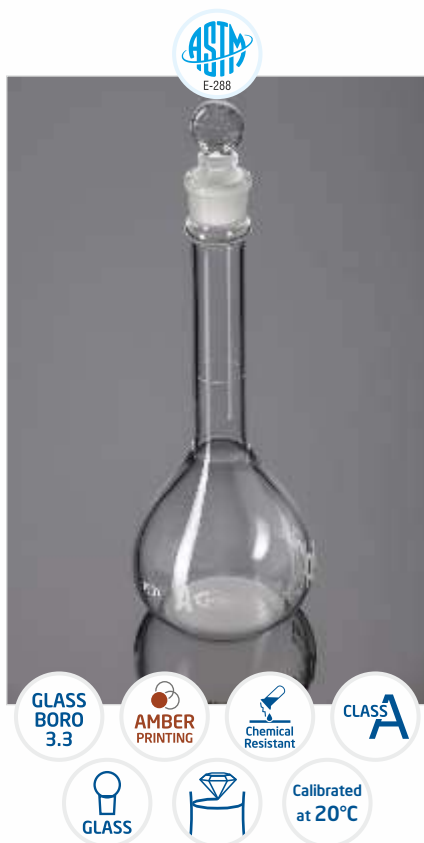
Flask, Volumetric, Amber Wide Mouth, Class A, USP, QR Coded with Penny Head Glass & Plastic Stopper, Calibrated at 20°C

- With Individual work Certificate and Serial Number
- Amber colour flask for light sensitive solution

New Item Code	Cap. ml	N/S	Tolerance (±ml)	Pack of	Price / Piece
QRL.130.600.01A	5*	12/21	0.06	1	1255
QRL.130.600.01AB	5*	14/23	0.06	1	1255
QRL.130.600.02AB	10*	12/21	0.06	1	1085
QRL.130.600.02A	10	14/23	0.06	1	1085
QRL.130.600.03AB	20	12/21	0.06	1	1085
QRL.130.600.03A	20	14/23	0.06	1	1085
QRL.130.600.04AB	25	12/21	0.06	1	1175
QRL.130.600.04A	25	14/23	0.06	1	1175
QRL.130.600.05A	50	14/23	0.08	1	1155
QRL.130.600.06A	100	19/26	0.10	1	1215
QRL.130.600.07A	200	19/26	0.12	1	1435
QRL.130.600.08A	250	19/26	0.12	1	1555
QRL.130.600.09A	500	19/26	0.15	1	1830
QRL.130.600.10A	1000	24/29	0.30	1	2670
QRL.130.600.11A	2000	29/32	0.50	1	4305



Volumetric Flasks



Flask, Volumetric, CLASS A, Narrow Mouth, QR Coded, Serialized, Calibrated at 20°C

- These flasks are made as per ASTM E 288 Class A Type 1 Boro 3.3 Glass
- Serialized specification.
- The flasks have Amber graduated line and are calibrated TC (To Contain).
- These comes in Amber colour enamel printing.

Item Code	Cap. (ml)	Stopper Size	Tolerance (±ml)	Stopper Type	Type	Pack of	Price / Piece
QRL.134.536.01	5	9	0.02	Penny Head	Narrow	1	1115
QRL.134.536.02	10	9	0.02	Penny Head	Narrow	1	965
QRL.134.536.03*	20	9	0.03	Penny Head	Narrow	1	975
QRL.134.536.04	25	9	0.03	Penny Head	Narrow	1	890
QRL.134.536.05	50	9	0.05	Penny Head	Narrow	1	850
QRL.134.536.06	100	13	0.08	Penny Head	Narrow	1	835
QRL.134.536.07	200	16	0.1	Penny Head	Narrow	1	1165
QRL.134.536.08	250	16	0.12	Penny Head	Narrow	1	1170

Flask, Volumetric, CLASS A, Wide Mouth, QR Coded, Serialized, Calibrated at 20°C

- These flasks are made as per ASTM E 288 Class A Type 1 Boro 3.3 Glass
- Serialized specification.
- The flasks have Amber graduated line and are calibrated TC (To Contain).
- These comes in Amber colour enamel printing.

Item Code	Cap. (ml)	Stopper Size	Tolerance (±ml)	Stopper Type	Type	Pack of	Price / Piece
QRL.131.536.01	5	13	0.02	Penny Head	Wide	1	1035
QRL.131.536.02	10	13	0.02	Penny Head	Wide	1	890
QRL.131.536.03*	20	13	0.03	Penny Head	Wide	1	925
QRL.131.536.04	25	13	0.03	Penny Head	Wide	1	985
QRL.131.536.05	50	13	0.05	Penny Head	Wide	1	965
QRL.131.536.06	100	16	0.08	Penny Head	Wide	1	1010
QRL.131.536.07	200	19	0.12	Penny Head	Wide	1	1190
QRL.131.536.08	250	19	0.2	Penny Head	Wide	1	1285
QRL.131.536.09	500	19	0.2	Penny Head	Wide	1	1600
QRL.131.536.10	1000	22	0.3	Penny Head	Wide	1	2320
QRL.131.536.11	2000	27	0.5	Penny Head	Wide	1	3395

* Non ASTM

*5ml to 20ml Supplied with trapezoidal shape for better stability



Flask, Volumetric, Amber, Narrow Mouth, CLASS A, QR Coded, Serialized, Calibrated at 20°C

- These flasks are made as per ASTM E 288 Class A Type 1 Boro 3.3 Glass
- Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain).
- These comes in white colour enamel printing.

Item Code	Cap. (ml)	Stopper Size	Tolerance (±ml)	Stopper Type	Type	Pack of	Price / Piece
QRL.134.536.01A	5	9	0.02	Penny Head	Narrow	1	1295
QRL.134.536.02A	10	9	0.02	Penny Head	Narrow	1	1135
QRL.134.536.03A*	20	9	0.03	Penny Head	Narrow	1	1135
QRL.134.536.04A	25	9	0.03	Penny Head	Narrow	1	1045
QRL.134.536.05A	50	9	0.05	Penny Head	Narrow	1	1005
QRL.134.536.06A	100	13	0.08	Penny Head	Narrow	1	980
QRL.134.536.07A	200	16	0.1	Penny Head	Narrow	1	1385
QRL.134.536.08A	250	16	0.12	Penny Head	Narrow	1	1390



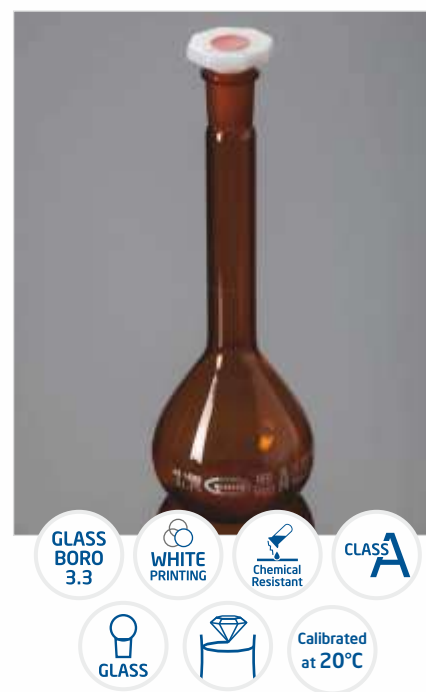
Flask, Volumetric, Amber, Wide Mouth, CLASS A, QR Coded, Serialized, Calibrated at 20°C

- These flasks are made as per ASTM E 288 Class A Type 1 Boro 3.3 Glass
- Serialized specification
- The flasks have diamond graduated line and are calibrated TC (To Contain).
- These comes in white colour enamel printing.

Item Code	Cap. (ml)	Stopper Size	Tolerance (±ml)	Stopper Type	Type	Pack of	Price / Piece
QRL.131.536.01A	5	13	0.02	Penny Head	Wide	1	1255
QRL.131.536.02A	10	13	0.02	Penny Head	Wide	1	1085
QRL.131.536.03A*	20	13	0.03	Penny Head	Wide	1	1085
QRL.131.536.04A	25	13	0.03	Penny Head	Wide	1	1175
QRL.131.536.05A	50	13	0.05	Penny Head	Wide	1	1155
QRL.131.536.06A	100	16	0.08	Penny Head	Wide	1	1215
QRL.131.536.07A	200	19	0.1	Penny Head	Wide	1	1435
QRL.131.536.08A	250	19	0.12	Penny Head	Wide	1	1555
QRL.131.536.09A	500	19	0.2	Penny Head	Wide	1	1830
QRL.131.536.10A	1000	22	0.3	Penny Head	Wide	1	2670
QRL.131.536.11A	2000	27	0.5	Penny Head	Wide	1	4305

* Non ASTM

*5ml to 20ml Supplied with trapezoidal shape for better stability



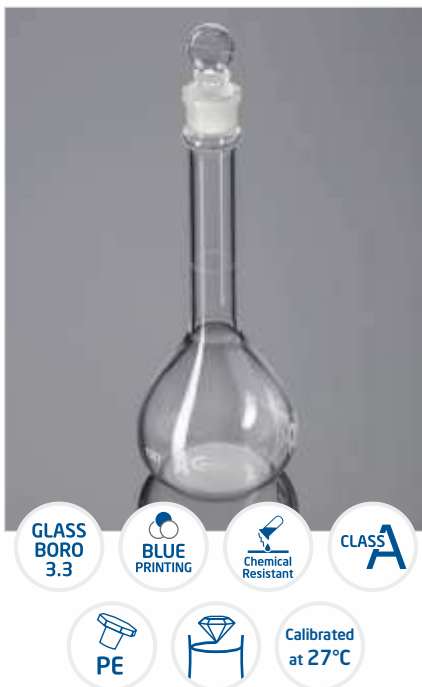
Volumetric Flasks



Flask, Volumetric, Narrow Mouth, Class A with Penny Head glass & PE Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes with Individual Work Certificate and Serial Number.

Item Code	Cap. (ml)	N/S	Tolerance (±ml)	Pack of	Price / Piece
130.576.00*	1*	10/19	0.025	1	1095
130.576.00B*	2*	10/19	0.025	1	1095
130.576.01	5**	10/19	0.04	1	985
130.576.02	10**	10/19	0.04	1	855
130.576.03	20**	10/19	0.04	1	855
130.576.04	25	10/19	0.04	1	790
130.576.05	50	12/21	0.06	1	745
130.576.06	100	14/23	0.1	1	725
130.577.07	200*	14/23	0.15	1	1095
130.576.07	200	14/23	0.15	1	1025
130.576.08	250	14/23	0.15	1	1025
130.576.09	500	19/26	0.25	1	1345
130.576.10	1000	24/29	0.4	1	1975
130.576.11	2000	29/32	0.6	1	3205
130.576.14	5000	34/35	1.2	1	13715



Flask, Volumetric, Wide Mouth, Class A with Penny Head glass & PE Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes with Individual Work Certificate and Serial Number.

Item Code	Cap. (ml)	N/S	Tolerance (±ml)	Pack of	Price / Piece
130.576.01WM	5	12/21	0.04	1	980
130.576.02WM	10	12/21	0.04	1	855
130.576.03WM	20	12/21	0.06	1	865
130.576.04WM	25	12/21	0.06	1	940
130.576.04W*	25	14/23	0.06	1	940
130.576.05W	50	14/23	0.1	1	900
130.576.06W*	100	19/26	0.1	1	945
130.576.07W*	200	19/26	0.2	1	1245
130.576.08WM*	250	19/26	0.2	1	1330
130.576.09WM*	500	24/29	0.4	1	1490
130.576.10WM	1000	29/32	0.6	1	2055

**1ml & 2ml sizes are of test tube shape | **5ml to 20ml Supplied with trapezoidal shape for better stability

**200ml also Supplied with trapezoidal shape for better stability

* Non DIN/ISO

Flask, Volumetric, Amber Narrow Mouth Class A with Penny Head glass & PE Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes with Individual Work Certificate and Serial Number
- Specially Designed wide mouth for testing bigger diameter tablet

Item Code	Cap. (ml)	N/S	Tolerance (± ml)	Pack of	Price /Piece
130.576.01A	5*	10/19	0.04	1	1175
130.576.02A	10*	10/19	0.04	1	1020
130.576.03A	20*	10/19	0.04	1	1020
130.576.04A	25	12/21	0.06	1	945
130.576.05A	50	12/21	0.06	1	895
130.576.06A	100	14/23	0.1	1	885
130.576.07A	200	14/23	0.15	1	1230
130.576.08A	250	14/23	0.15	1	1210
130.576.09A	500	19/26	0.25	1	1620
130.576.10A	1000	24/29	0.4	1	2365
130.576.11A	2000	29/32	0.6	1	3840

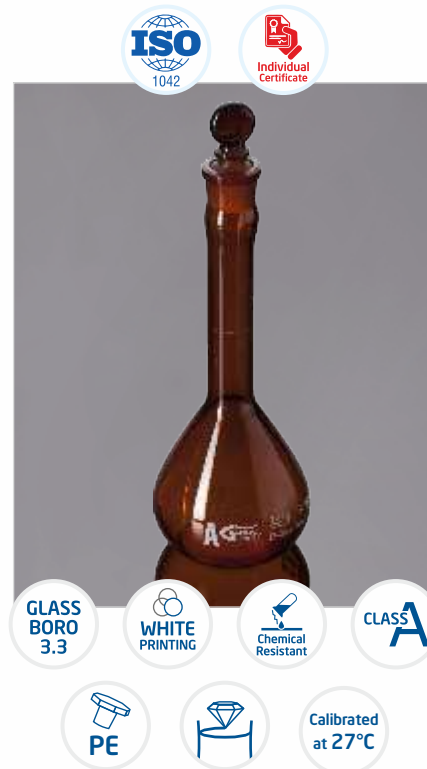


Flask, Volumetric, Amber Wide, Mouth Class A with Penny Head glass & PE Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes with Individual Work Certificate and Serial Number
- Specially Designed wide mouth for testing bigger diameter tablet

Item Code	Cap. (ml)	N/S	Tolerance (± ml)	Pack of	Price /Piece
130.576.01WMA	5*	12/21	0.04	1	1155
130.576.02WMA	10*	12/21	0.04	1	1010
130.576.03WMA	20*	12/21	0.06	1	1025
130.576.03MWA*	20	14/23	0.06	1	1095
130.576.04BWMA	25	12/21	0.06	1	1125
130.576.04MWA*	25	14/23	0.06	1	1125
130.576.05MWA	50	14/23	0.1	1	1070
130.576.06AW	100	19/26	0.1	1	1170
130.576.07MWA*	200	19/26	0.2	1	1495
130.576.08WMA*	250	19/26	0.2	1	2265
130.576.09WMA*	500	24/29	0.4	1	2325
130.576.10WMA	1000	29/32	0.6	1	2435

*5ml to 20ml Supplied with trapezoidal shape for better stability



Volumetric Flasks



Flask, Volumetric, Clear, Class A, with Penny Head Glass Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes with Individual Work Certificate
- Each flask made from clear tubing

Item Code	Cap. (ml)	N/S	Tolerance (± ml)	Pack of	Price /Piece
130.524.00*	1*	10/15	0.025	1	1095
130.524.00B*	2*	10/15	0.025	1	1095
130.524.01*	5**	10/15	0.025	1	985
130.524.02*	10**	10/15	0.025	1	855
130.524.03	20**	10/15	0.04	1	855
130.524.04	25	10/15	0.04	1	790
130.524.05*	50	10/15	0.06	1	745
130.524.06	100	14/15	0.10	1	730
130.524.07	200	14/15	0.15	1	1030
130.524.08	250	14/15	0.15	1	1030
130.524.09	500	19/20	0.25	1	1350
130.524.10*	1000	19/20	0.40	1	1985
130.524.11*	2000	24/25	0.60	1	3205
130.524.14	5000	34/35	1.20	1	13720

*1ml & 2ml sizes are of test tube shape

**5ml to 20ml Supplied with trapezoidal shape for better stability

* Non DIN/ISO

These are available till the stocks last

Flask, Volumetric, Amber, Class A, with Penny Head Glass Stopper, Calibrated at 27°C

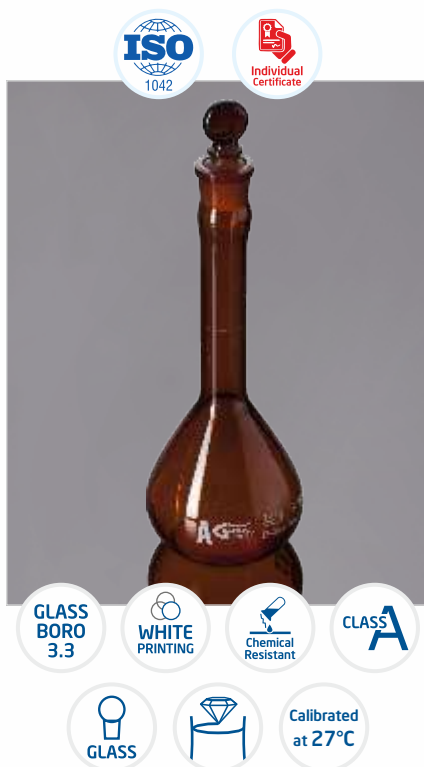
- Compliance with **DIN ISO 1042** Standards
- Each flask comes with Individual Work Certificate
- Made from DIN ISO 3585 : 1998
- Heat Resistant Boro 3.3 Glass, Amber Colour

Item Code	Cap. (ml)	N/S	Tolerance (± ml)	Pack of	Price /Piece
130.524.01A*	5*	10/15	0.025	1	1175
130.524.02A*	10*	10/15	0.025	1	1020
130.524.03A	20*	10/15	0.04	1	1020
130.524.04A	25	10/15	0.04	1	950
130.524.05A*	50	10/15	0.06	1	900
130.524.06A	100	14/15	0.10	1	885
130.524.07A	200	14/15	0.15	1	1215
130.524.08A	250	14/15	0.15	1	1215
130.524.09A	500	19/20	0.25	1	1625
130.524.10A*	1000	19/20	0.40	1	2365
130.524.11A*	2000	24/25	0.60	1	3840

**5ml to 20ml Supplied with trapezoidal shape for better stability

* Non DIN/ISO

These are available till the stocks last



Flask, Volumetric, Class A, NABL with Penny Head Glass & Plastic Stopper Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes with Individual Work Certificate and Serial Number

Item Code	Cap. (ml)	N/S	Tolerance (± ml)	Pack of	Price /Piece
130.508.01*	5*	10/19	0.040	1	2180
130.508.02*	10*	10/19	0.040	1	1885
130.508.03	20*	10/19	0.040	1	1885
130.508.04	25	10/19	0.040	1	1755
130.508.05	50	12/21	0.060	1	1755
130.508.06	100	14/23	0.100	1	1810
130.508.07	200	14/23	0.150	1	2300
130.508.08	250	14/23	0.150	1	2335
130.508.09	500	19/26	0.250	1	3110
130.508.10	1000	24/29	0.400	1	4470
130.508.11	2000	29/32	0.600	1	7230

*5ml to 20ml Supplied with trapezoidal shape for better stability
* Non DIN/ISO



Flask, Volumetric, Amber, Class A, NABL with Penny Head Glass & PP Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Each flask comes with Individual Work Certificate and Serial Number

Item Code	Cap. (ml)	N/S	Tolerance (± ml)	Pack of	Price /Piece
130.508.01A*	5*	10/19	0.040	1	2365
130.508.02A*	10*	10/19	0.040	1	2065
130.508.03A	20*	10/19	0.040	1	2065
130.508.04A	25	10/19	0.040	1	1870
130.508.05A	50	12/21	0.060	1	2005
130.508.06A	100	14/23	0.100	1	2075
130.508.07A	200	14/23	0.150	1	2470
130.508.08A	250	14/23	0.150	1	2750
130.508.09A	500	19/26	0.250	1	3430
130.508.10A	1000	24/29	0.400	1	5065
130.508.11A	2000	29/32	0.600	1	7960

*5ml to 20ml Supplied with trapezoidal shape for better stability
* Non DIN/ISO



Volumetric Flasks



Flask, Volumetric, Class A NABL, USP, with Penny Head Glass & PE Stopper Calibrated at 20°C

- Compliance with **USP** Standards
- Each flask comes with Individual Work Certificate and Serial Number

Item Code	Cap. ml	N/S	Tolerance (±ml)	Pack of	Price / Piece
130.407.01	5*	10/19	0.020	1	2180
130.407.02	10*	10/19	0.020	1	1885
130.407.02A	20*	10/19	0.030	1	1885
130.407.03	25	10/19	0.030	1	1755
130.407.04	50	12/21	0.050	1	1755
130.407.05	100	14/23	0.080	1	1810
130.407.06	200	14/23	0.100	1	2300
130.407.07	250	14/23	0.120	1	2335
130.407.08	500	19/26	0.150	1	3110
130.407.09	1000	24/29	0.300	1	4470
130.407.10	2000	29/32	0.500	1	7230

*5ml to 20ml Supplied with trapezoidal shape for better stability



Flask, Volumetric, Clear, Wide Mouth, Class A, USP With Interchangeable Solid Glass Stopper, Calibrated at 20°C, Boro 3.3 Glass TYPE 1

- Calibrated as per **USP** tolerance
- Each flask comes with Individual Work Certificate and Serial Number
- Specially Designed wide mouth for testing bigger diameter tablet

Item Code	Cap.(ml)	N/S	Tolerance (±ml)	Type	Pack of	Price /Piece
130.600.00	5	12/21	0.06	Clear	1	1050
130.600.01	5*	14/23	0.06	Clear	1	1050
130.600.02	10*	14/23	0.06	Clear	1	905
130.600.02B	10	12/21	0.06	Clear	1	905
130.600.03	20**	14/23	0.06	Clear	1	940
130.600.03B	20	12/21	0.06	Clear	1	940
130.600.04	25	14/23	0.06	Clear	1	1000
130.600.04B	25	12/21	0.06	Clear	1	1000
130.600.05	50	14/23	0.08	Clear	1	980
130.600.06	100	19/26	0.10	Clear	1	1025
130.600.07	200	19/26	0.12	Clear	1	1210
130.600.08	250	19/26	0.12	Clear	1	1305
130.600.09	500	24/29	0.30	Clear	1	1625
130.600.10	1000	29/32	0.40	Clear	1	2355

** Not covered in the standards

*5ml to 20ml Supplied with trapezoidal shape for better stability



Flask, Volumetric, Class A, USP Standards with Penny Head Glass & Plastic Stopper, Calibrated at 20°C

- Compliance with **USP** Standards
- Each flask comes with Individual Work Certificate and Serial Number

New Item Code	Cap. ml	N/S	Tolerance (±ml)	Type	Pack of	Price / Piece
130.521.01	5*	10/19	0.020	Clear	1	1105
130.521.02	10*	10/19	0.020	Clear	1	955
130.521.03	20*	10/19	0.030	Clear	1	965
130.521.04	25	10/19	0.030	Clear	1	885
130.521.05	50	12/21	0.050	Clear	1	840
130.521.06	100	14/23	0.080	Clear	1	825
130.521.07	200	14/23	0.100	Clear	1	1155
130.521.08	250	14/23	0.120	Clear	1	1160
130.521.09	500	19/26	0.150	Clear	1	1525
130.521.10	1000	24/29	0.300	Clear	1	2215
130.521.11	2000	29/32	0.500	Clear	1	3605

*5ml to 20ml Supplied with trapezoidal shape for better stability



Volumetric Flasks



Flask, Volumetric, Amber, Class A, USP Standards with Penny Head Glass & PE Stopper, Calibrated at 20°C

- Compliance with **USP** Standards
- Each flask comes with Individual Work Certificate and Serial Number
- Each flask made from Amber colour tubing

New Item Code	Cap. ml	N/S	Tolerance (± ml)	Type	Pack of	Price / Piece
130.521.01A	5*	10/19	0.020	Amber	1	1315
130.521.02A	10*	10/19	0.020	Amber	1	1155
130.521.03A	20*	10/19	0.030	Amber	1	1155
130.521.04A	25	10/19	0.030	Amber	1	1060
130.521.05A	50	12/21	0.050	Amber	1	1020
130.521.06A	100	14/23	0.080	Amber	1	995
130.521.07A	200	14/23	0.100	Amber	1	1410
130.521.08A	250	14/23	0.120	Amber	1	1415
130.521.09A	500	19/26	0.150	Amber	1	1860
130.521.10A	1000	24/29	0.300	Amber	1	2715
130.521.11A	2000	29/32	0.500	Amber	1	4375

*5ml to 20ml Supplied with trapezoidal shape for better stability



Flask, Volumetric, Amber, Wide Mouth, Class A, USP With Interchangeable Solid Glass Stopper, Calibrated at 20°C, Boro 3.3 Glass TYPE 1

- Calibrated as per **USP** tolerance
- Each flask comes with Individual Work Certificate and Serial Number
- Specially Designed wide mouth for testing bigger diameter tablet

Item Code	Cap.(ml)	N/S	Tolerance (± ml)	Type	Pack of	Price /Piece
130.600.01A	5*	14/23	0.06	Amber	1	1275
130.600.01AB	5*	12/21	0.06	Amber	1	1275
130.600.02A	10*	14/23	0.06	Amber	1	1105
130.600.02AB	10*	12/21	0.06	Amber	1	1105
130.600.03A	20**	14/23	0.06	Amber	1	1105
130.600.03AB	20*	12/21	0.06	Amber	1	1105
130.600.04A	25	14/23	0.06	Amber	1	1195
130.600.04AB	25	12/21	0.06	Amber	1	1195
130.600.05A	50	14/23	0.08	Amber	1	1175
130.600.06A	100	19/26	0.10	Amber	1	1235
130.600.07A	200	19/26	0.12	Amber	1	1455
130.600.08A	250	19/26	0.12	Amber	1	1575

** Not covered in the standards

*5ml to 20ml Supplied with trapezoidal shape for better stability

Volumetric Flasks

Flask, Volumetric, CLASS A, Narrow Mouth, Serialized, Calibrated at 20°C

- These flasks are made as per ASTM E 288 Class A Type 1 Boro 3.3 Glass
- The flasks have diamond graduated line and are calibrated TC (To Contain).
- These comes in Amber colour enamel printing.

Item Code	Cap. (ml)	Stopper Size	Tolerance (± ml)	Stopper Type	Neck Type	Pack of	Price / Piece
134.536.00*	1	8	0.01	Penny Head	Narrow	1	1135
134.536.00B*	2	8	0.015	Penny Head	Narrow	1	1145
134.536.01	5	9	0.02	Penny Head	Narrow	1	1105
134.536.02	10	9	0.02	Penny Head	Narrow	1	955
134.536.03*	20	9	0.03	Penny Head	Narrow	1	965
134.536.04	25	9	0.03	Penny Head	Narrow	1	885
134.536.05	50	9	0.05	Penny Head	Narrow	1	840
134.536.06	100	13	0.08	Penny Head	Narrow	1	825
134.536.07	200	16	0.1	Penny Head	Narrow	1	1155
134.536.08	250	16	0.12	Penny Head	Narrow	1	1160



Flask, Volumetric, CLASS A, Wide Mouth, Serialized, Calibrated at 20°C

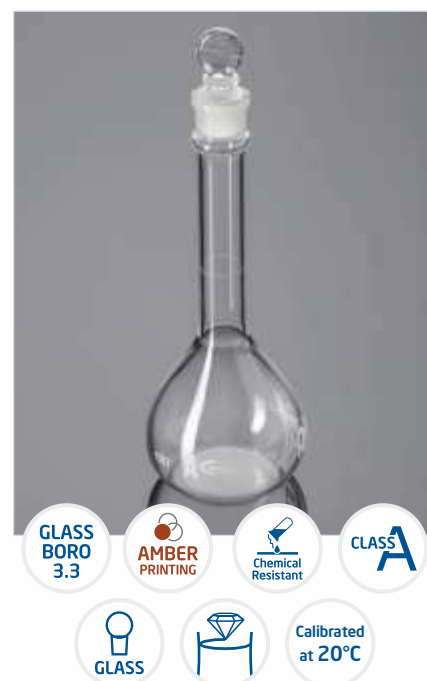
- These flasks are made as per ASTM E 288 Class A Type 1 Boro 3.3 Glass
- The flasks have diamond graduated line and are calibrated TC (To Contain).
- These comes in Amber colour enamel printing.

Item Code	Cap. (ml)	Stopper Size	Tolerance (± ml)	Stopper Type	Neck Type	Pack of	Price / Piece
131.536.01	5	13	0.02	Penny Head	Wide	1	1050
131.536.02	10	13	0.02	Penny Head	Wide	1	905
131.536.03*	20	13	0.03	Penny Head	Wide	1	940
131.536.04	25	13	0.03	Penny Head	Wide	1	1000
131.536.05	50	13	0.05	Penny Head	Wide	1	980
131.536.06	100	16	0.08	Penny Head	Wide	1	1025
131.536.07	200	19	0.1	Penny Head	Wide	1	1210
131.536.08	250	19	0.12	Penny Head	Wide	1	1305
131.536.09	500	19	0.2	Penny Head	Wide	1	1525
131.536.10	1000	22	0.3	Penny Head	Wide	1	2215
131.536.11	2000	27	0.5	Penny Head	Wide	1	3605

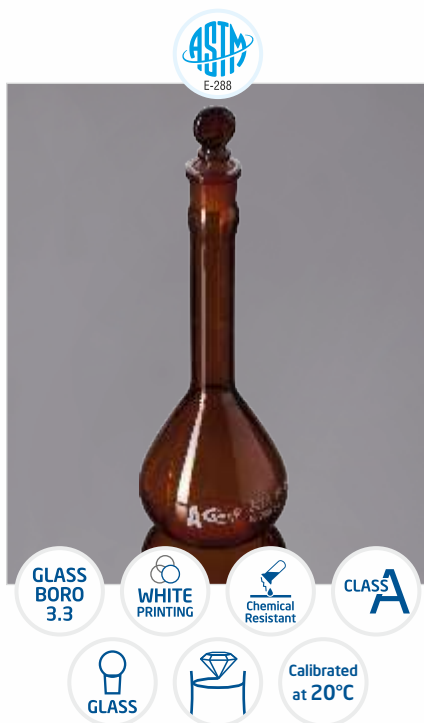
*Non ASTM & Not covered under Standards
 **1 ml Sizes are of test tube shape

159

Serialized



Volumetric Flasks



Flask, Volumetric, Amber, Narrow Mouth, CLASS A, Serialized, Calibrated at 20°C

- These flasks are made as per ASTM E 288 Class A Type 1 Boro 3.3 Glass
- The flasks have diamond graduated line and are calibrated TC (To Contain).
- These comes in white colour enamel printing.

Item Code	Cap. (ml)	Stopper Size	Tolerance (±ml)	Stopper Type	Neck Type	Pack of	Price / Piece
134.236.00A*	1**	8	0.01	Penny Head	Narrow	1	1385
134.236.00BA*	2	8	0.015	Penny Head	Narrow	1	1385
134.536.01A	5	9	0.02	Penny Head	Narrow	1	1315
134.536.02A	10	9	0.02	Penny Head	Narrow	1	1155
134.536.03A*	20	9	0.03	Penny Head	Narrow	1	1155
134.536.04A	25	9	0.03	Penny Head	Narrow	1	1060
134.536.05A	50	9	0.05	Penny Head	Narrow	1	1020
134.536.06A	100	13	0.08	Penny Head	Narrow	1	995
134.536.07A	200	16	0.1	Penny Head	Narrow	1	1410
134.536.08A	250	16	0.12	Penny Head	Narrow	1	1415

Flask, Volumetric, Amber, Wide Mouth, CLASS A, Serialized, Calibrated at 20°C

- These flasks are made as per ASTM E 288 Class A Type 1 Boro 3.3 Glass
- The flasks have diamond graduated line and are calibrated TC (To Contain).
- These comes in white colour enamel printing.

Item Code	Cap. (ml)	Stopper Size	Tolerance (±ml)	Stopper Type	Neck Type	Pack of	Price / Piece
131.536.01A	5	13	0.02	Penny Head	Wide	1	1280
131.536.02A	10	13	0.02	Penny Head	Wide	1	1105
131.536.03A*	20	13	0.03	Penny Head	Wide	1	1105
131.536.04A	25	13	0.03	Penny Head	Wide	1	1200
131.536.05A	50	13	0.05	Penny Head	Wide	1	1175
131.536.06A	100	16	0.08	Penny Head	Wide	1	1235
131.536.07A	200	19	0.2	Penny Head	Wide	1	1460
131.536.08A	250	19	0.12	Penny Head	Wide	1	1580
131.536.09A	500	19	0.2	Penny Head	Narrow	1	1860
131.536.10A	1000	22	0.3	Penny Head	Narrow	1	2715
131.536.11A	2000	27	0.5	Penny Head	Narrow	1	4375

*Non ASTM & Not covered under Standards

**1 ml Sizes are of test tube shape



Flask, Volumetric, Clear Glass, with Amber mark, Class A with Penny Head glass & PE Stopper, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Amber colour triangle inscriptions at neck for the flask
- Each flask comes with Individual Work Certificate and Serial Number

Item Code	Cap. (ml)	N/S	Tolerance (±ml)	Pack of	Price /Piece
130.581.00A	1**	10/19	0.025	1	925
130.581.00BA	2**	10/19	0.025	1	925
130.581.01A	5*	10/19	0.040	1	825
130.581.02A	10*	10/19	0.040	1	715
130.581.03A	20*	10/19	0.040	1	715
130.581.04A	25	10/19	0.040	1	655
130.581.05A	50	12/21	0.060	1	605
130.581.06A	100	14/23	0.100	1	615
130.581.07A	200	14/23	0.150	1	815
130.581.08A	250	14/23	0.150	1	870
130.581.09A	500	19/26	0.250	1	1075
130.581.10A	1000	24/29	0.400	1	1660
130.581.11A	2000	29/32	0.600	1	2705

**1ml & 2ml sizes are of test tube shape

*5ml to 20ml Supplied with trapezoidal shape for better stability

These are available till the stocks last



Flask, Volumetric, White Mark, Amber, Class A, with Penny Head glass & PE Stopper

- Compliance with **DIN ISO 1042** Standards
- White colour triangle inscriptions at neck for the flask
- Each flask comes with Individual Work Certificate and Serial Number

Item Code	Cap. (ml)	N/S	Tolerance (±ml)	Pack of	Price /Piece
130.580.01A	5*	10/19	0.040	1	1010
130.580.02A	10*	10/19	0.040	1	865
130.580.03A	20*	10/19	0.040	1	870
130.580.04A	25	10/19	0.040	1	795
130.580.05A	50	12/21	0.060	1	720
130.580.06A	100	14/23	0.100	1	745
130.580.07A	200	14/23	0.150	1	1040
130.580.08A	250	14/23	0.150	1	1040
130.580.09A	500	19/26	0.250	1	1285
130.580.10A	1000	24/29	0.400	1	1995
130.580.11A	2000	29/32	0.600	1	3230

**1ml & 2ml sizes are of test tube shape

*5ml to 20ml Supplied with trapezoidal shape for better stability

These are available till the stocks last



Volumetric Flasks



Flask, Volumetric, Clear Glass, Class B, Calibrated at 27°C

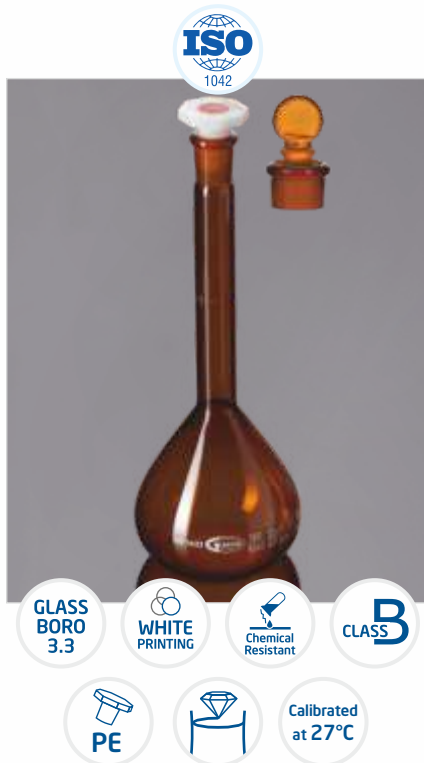
- Compliance with **DIN ISO 1042** Standards
- Comes with Penny Head glass & PE Stopper

Item Code	Cap. (ml)	N/S	Tolerance (±ml)	Pack of	Price /Piece
128.576.00*	1*	10/19	0.05	2	360
128.576.00B*	2*	10/19	0.05	2	325
128.576.01	5**	10/19	0.080	2	300
128.576.02	10**	10/19	0.080	2	280
128.576.03	20**	10/19	0.080	2	280
128.576.04	25	10/19	0.080	2	275
128.576.05	50	12/21	0.120	2	300
128.576.06	100	14/23	0.200	2	325
128.576.07	200	14/23	0.300	2	390
128.576.08	250	14/23	0.300	2	405
128.576.09	500	19/26	0.500	2	565
128.576.10	1000	24/29	0.800	2	925
128.576.11	2000	29/32	1.200	1	1925
128.576.12	5000	34/35	2.400	1	6905

*1ml & 2ml sizes are of test tube shape

**5ml to 20ml Supplied with trapezoidal shape for better stability

*Non DIN/ISO



Flask, Volumetric, Amber, Class B, Calibrated at 27°C

- Compliance with **DIN ISO 1042** Standards
- Comes with Penny Head glass & PE Stopper

Item Code	Cap. (ml)	N/S	Tolerance (±ml)	Pack of	Price /Piece
130.522.00A*	1*	10/19	0.05	2	440
130.522.00BA*	2*	10/19	0.05	2	440
130.522.01A	5**	10/19	0.08	2	460
130.522.02A	10**	10/19	0.08	2	435
130.522.03A	20**	10/19	0.08	2	435
130.522.04A	25	10/19	0.08	2	435
130.522.05A	50	12/21	0.120	2	460
130.522.06A	100	14/23	0.200	2	520
130.522.07A	200	14/23	0.300	2	550
130.522.08A	250	14/23	0.300	2	555
130.522.09A	500	19/26	0.500	2	840
130.522.10A	1000	24/29	0.800	2	1375
130.522.11A	2000	29/32	1.200	1	2810

*1ml & 2ml sizes are of test tube shape

**5ml to 20ml Supplied with trapezoidal shape for better stability

*Non DIN/ISO

Volumetric Flask for Sugar Estimation

- As per BS 675
- Two mark flask designed for the analysis of sugar solutions
- The two graduation marks provide a dilution of 1 in 10

Item Code	Cap. (ml)	Pack of	Price /Piece
133.502.03	100/110	2	435



Flask, Volumetric (PP)

- These flask are autoclavable, strong, unbreakable
- These flask have good contact clarity.
- These autoclavable flasks are provided with screw caps to prevent leakage

Item Code	Cap. (ml)	Pack of	Price /Pack
158.303.01	25	6	585
158.303.02	50	6	725
158.303.03	100	6	875
158.303.04	250	2	360
158.303.05	500	2	475
158.303.06	1000	2	670

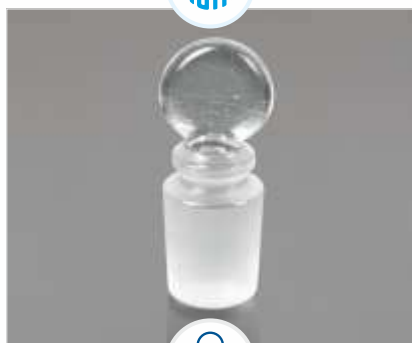


Volumetric Flasks



Bumper Guard for Volumetric Flask

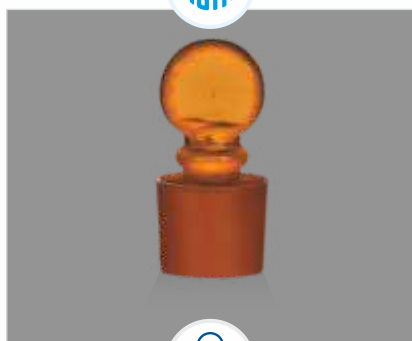
Item Code	Cap. (ml)	Colour	N/S	Pack of	Price /Piece
127.202.01	5-25	Yellow	10/19	100	50
127.202.02	50-100	Green	12/21	100	70
127.202.03	200-250	Blue	14/23	100	125
127.202.04	500	Orange	19/26	100	180
127.202.05	1000	Red	24/29	50	235



Stopper, Solid Penny Head

- For ASTM Standard Flasks
- The Flasks with ASTM E-288 can also be provided with Penny Head Stoppers

Item Code	Description	Type	Pack of	Price /Piece
012.269.02	Stopper No 13	Clear	100	135
012.269.02A	Stopper No 16	Clear	100	255
012.269.03	Stopper No 19	Clear	100	315
012.269.04	Stopper No 22	Clear	100	335
012.269.05	Stopper No 27	Clear	100	345



Stopper, Amber, Solid Penny Head

- For ASTM Standard Flasks
- The Flasks with ASTM E-288 can also be provided with Penny Head Stoppers

Item Code	Description	Type	Pack of	Price /Piece
012.278.02	Stopper No 13	Amber	100	175
012.278.02A	Stopper No 16	Amber	100	320
012.278.03	Stopper No 19	Amber	100	395
012.278.04	Stopper No 22	Amber	100	415
012.278.05	Stopper No 27	Amber	100	430

Stopper, Solid Penny Head

- Used on different kind of jointed products like bottles, stoppered cylinder and jointed flasks.
- The stopper provides a good grip
- Comes in **DIN Standard** joint sizes and **ASTM standard**

Item Code	N/S	Type	Pack of	Price /Piece
012.512.01	10/19	Clear	50	115
012.512.01A	12/21	Clear	50	115
012.512.02	14/23	Clear	50	115
012.512.03	19/26	Clear	50	135
012.512.04	24/29	Clear	50	265
012.512.05*	29/32	Clear	50	320
012.512.06*	34/35	Clear	50	340



Stopper, Amber, Solid Penny Head

- Used on different kind of jointed products like bottles, stoppered cylinder and jointed flasks.
- The stopper provides a good grip
- Comes in **DIN Standard** joint sizes and **ASTM standard**

Item Code	N/S	Type	Pack of	Price /Piece
012.513.01A	10/19	Amber	50	135
012.513.02A	12/21	Amber	50	180
012.513.03A	14/23	Amber	50	180
012.513.04A	19/26	Amber	50	205
012.513.05A	24/29	Amber	50	320
012.513.06A	29/32	Amber	50	375
012.513.07A	34/35	Amber	50	410



Stopper, Flower-Power™, 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	Colour	Price /Piece
011.232.01	10/19	100	Green	60
011.232.02	12/21	100	Purple	65
011.232.03	14/23	100	Yellow	70
011.232.04	19/26	100	Blue	80
011.232.05	24/29	100	Green	100
011.232.06	29/32	100	Red	130
011.232.07*	34/35	100	Orange	145

* Non DIN

Available in Different colours



Funnels



Funnel

- Made from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS
- Compliance with DIN ISO 4798 & USP standards

Item Code	Diameter (mm)	Pack of	Price /Piece
238.502.01*	25	10	105
238.502.02	35	10	135
238.502.03*	38	10	145
238.502.04*	40	10	145
238.502.05*	50	10	145
238.502.06	55	10	165
238.502.07*	65	10	180
238.502.08*	70	10	180
238.502.09	75	10	175
238.502.10*	80	10	205
238.502.11	100	10	225
238.502.12	125	10	480
238.502.13	150	10	545

* Non DIN



Funnel, Long stem

- With 60° bowl angle for precise fitting of filter paper
- Manufactured from chemical and heat resistant borosilicate glass
- Stem length approximately 150mm

Item Code	Top External dia (mmn)	Stem O.D. (mm)	To suit filter paper dia (mm)	Pack of	Price / Piece
238.215.08	70	8	70-90	6	195
238.215.10	80	8	90-150	6	235
238.215.11A	105	8	150-185	6	270

Funnel, Powder

- Made from ASTM E-438, TYPE-1, BORO 3.3 GLASS
- Available with cone

Item Code	N/S Size	Approx Funnel Dia. (mm)	Pack of	Price /Piece
238.202.01P	14/23	45	10	265
238.202.02P	14/23	70	10	345
238.202.03P	29/32	70	10	385
238.202.04P	29/32	80	10	460
238.202.05P	14/23	100	10	485
238.202.06P	29/32	100	10	525



Funnel, Powder

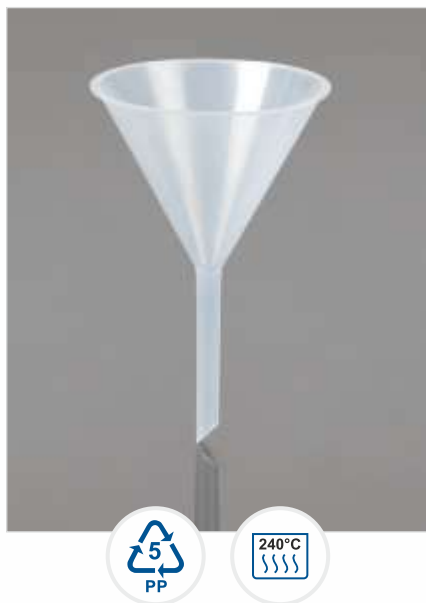
- Made from ASTM E-438, TYPE-1, CLASS-A, BORO 3.3 GLASS
- Comes with fire polished rim and stem

Item Code	Top Diameter (mm)	Stem O.D Max. mm	Pack of	Price /Piece
238.404.06P	60	20	6	265
238.404.08P	80	25	6	295
238.404.10P	100	25	6	360
238.404.12P	125	30	2	455
238.404.15P	150	31	2	485



Funnel, Analytical

- Made of Polypropylene



Item Code	Size (mm)	Pack of	Price /Pack
207.303.01	50mm, Inside 50, Stem Length 50, PP	72	1105
207.303.02	62mm, Inside 62, Stem Length 67, PP	36	675
207.303.03	75mm, Inside 75, Stem Length 77, PP	36	675
207.303.04	100mm, Inside 100, Stem Length 95, PP	36	1705
207.303.05	35mm, Inside 35, Stem Length 37, PP	80	985

Funnel, Long Stem, Smooth Walls

- Made of Polypropylene
- 60°C 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	Price /Pack
122.303.04	100	93	84	36	880
122.303.05	150	148	55	12	1055

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	Price / Pack
210.303.01	70	65	22	36	675
210.303.02	85	78	30	36	955
210.303.03	107	100	33	36	2215
210.303.04	153	145	30	12	1390



Funnel, Industrial

- Made of Polypropylene
- Used for convenient filling of carboy's, drums & barrels

Item Code	Dia (mm)	Pack of	Price /Pack
211.303.01	200	12	4060
211.303.02	250	6	3245



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	Price /Piece
256.G00.01	35	30	0	2	685
256.G01.01	35	30	1	2	640
256.G02.01	35	30	2	2	640
256.G03.01	35	30	3	2	640
256.G04.01	35	30	4	2	640
256.G05.01	35	30	5	2	775
256.G00.02	80	40	0	2	1270
256.G01.02	80	40	1	2	1225
256.G02.02	80	40	2	2	1225
256.G03.02	80	40	3	2	1225
256.G04.02	80	40	4	2	1225
256.G05.02	80	40	5	2	1435
256.G00.03	200	65	0	2	2150
256.G01.03	200	65	1	2	1915
256.G02.03	200	65	2	2	1915
256.G03.03	200	65	3	2	1915
256.G04.03	200	65	4	2	1915
256.G05.03	200	65	5	2	2245
256.G00.04	500	90	0	2	5715
256.G01.04	500	90	1	2	4440
256.G02.04	500	90	2	2	4515
256.G03.04	500	90	3	2	4515
256.G04.04	500	90	4	2	4515
256.G05.04	500	90	5	2	5965
256.G00.05	1000	120	0	1	10685
256.G01.05	1000	120	1	1	8725
256.G02.05	1000	120	2	1	8725
256.G03.05	1000	120	3	1	8725
256.G04.05	1000	120	4	1	8725
256.G05.05	1000	120	5	1	11155

Funnel, Buchner

- Made of Polypropylene
- Light weight
- Easy to clean & autoclavable
- Top portion snap fit ted 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	Price /Pack
123.303.01	70	12	3305
123.303.02	110	6	2085
123.303.03	90	6	1900



Funnel, Buchner, Euro Design

- Made of Porcelain
- Temperature upto 700°C

Item Code	Dia OD x H (mm)	Pack of	Price / Pack
527.303.10	20 x 64	10	1815
527.303.11	51 x 89	10	2840
527.303.12	67 x 110	6	2145
527.303.13	84 x 143	4	2070
527.303.14	105 x 160	2	1170
527.303.15	125 x 195	2	1355
527.303.16	142 x 202	1	1075



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



Funnel, Separating, Squibb (Globe) 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	Price / Piece
147.202.02	50	19/26	2.5	Solid Glass	1	1210
147.202.02A*	60	14/23	2.5	Solid Glass	1	1215
147.202.03	100	19/26	2.5	Solid Glass	1	1315
147.202.03A*	125	19/26	2.5	Solid Glass	1	1315
147.202.04	250	29/32	4	Solid Glass	1	1450
147.202.05	500	29/32	4	Solid Glass	1	1955
147.202.06	1000	29/32	6	Solid Glass	1	2509
147.202.07	2000	29/32	6	Solid Glass	1	4575

* Non DIN



Funnel, Separating, Squibb (Globe) 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	Price / Piece
147.209.02	50	19/26	2.5	Solid Glass	1	1265
147.209.03	100	19/26	2.5	Solid Glass	1	1375
147.209.04	250	29/32	4	Solid Glass	1	1450
147.209.05	500	29/32	4	Solid Glass	1	1980
147.209.06	1000	29/32	6	Solid Glass	1	2610
147.209.07	2000	29/32	6	Solid Glass	1	4675

Funnel, Separating, Squibb (Globe) 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	Price / Piece
148.202.02	50	19/26	Needle Valve	1	1160
148.202.02A*	60	14/23	Needle Valve	1	1130
148.202.03	100	19/26	Needle Valve	1	1265
148.202.03A*	125	19/26	Needle Valve	1	1210
148.202.04	250	29/32	Needle Valve	1	1350
148.202.05	500	29/32	Needle Valve	1	1820
148.202.06	1000	29/32	Needle Valve	1	2310
148.202.07	2000	29/32	Needle Valve	1	4000

*Non DIN



Funnel, Separating, Squibb (Globe) 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	Price / Piece
148.209.02	50	19/26	Needle Valve	1	1210
148.209.03	100	19/26	Needle Valve	1	1350
148.209.04	250	29/32	Needle Valve	1	1320
148.209.05	500	29/32	Needle Valve	1	1950
148.209.06	1000	29/32	Needle Valve	1	2450
148.209.07	2000	29/32	Needle Valve	1	4335





Funnel, Separating, Squibb (Globe) shape, With PTFE 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	Price / Piece
149.202.02	50	19/26	PTFE	1	1470
149.202.02A*	60	14/23	PTFE	1	1470
149.202.03	100	19/26	PTFE	1	1540
149.202.03A*	125	19/26	PTFE	1	1565
149.202.04	250	29/32	PTFE	1	1750
149.202.05	500	29/32	PTFE	1	2280
149.202.06	1000	29/32	PTFE	1	2610
149.202.07	2000	29/32	PTFE	1	4855

* Non DIN



Funnel, Separating, Squibb (Globe) shape, With PTFE Stopcock

- Compliance with ISO 4800 Standards
- With Graduation
- With PE Stopper
- Bore 0-3 mm

Item Code	Capacity (ml)	N/S	Stopcock Type	Pack of	Price / Piece
149.209.02	50	19/26	PTFE	1	1635
149.209.03	100	19/26	PTFE	1	1675
149.209.04	250	29/32	PTFE	1	1800
149.209.05	500	29/32	PTFE	1	2020
149.209.06	1000	29/32	PTFE	1	2815
149.209.07	2000	29/32	PTFE	1	4950

Funnel, Separating, Pear (ISO Shape), With Glass Stopcock

- With PE Stopper
- Complies with ISO 4800 Standards

Item Code	Capacity (ml)	N/S	Stopcock Type	Pack of	Price /Piece
150.202.02	50	19/26	Solid Glass	1	1125
150.202.03	100	19/26	Solid Glass	1	1275
150.204.03A*	125	19/26	Solid Glass	1	1395
150.202.04	250	29/32	Solid Glass	1	1630
150.202.05	500	29/32	Solid Glass	1	2040
150.202.06	1000	29/32	Solid Glass	1	2440
150.202.07	2000	29/32	Solid Glass	1	4125

* Non DIN

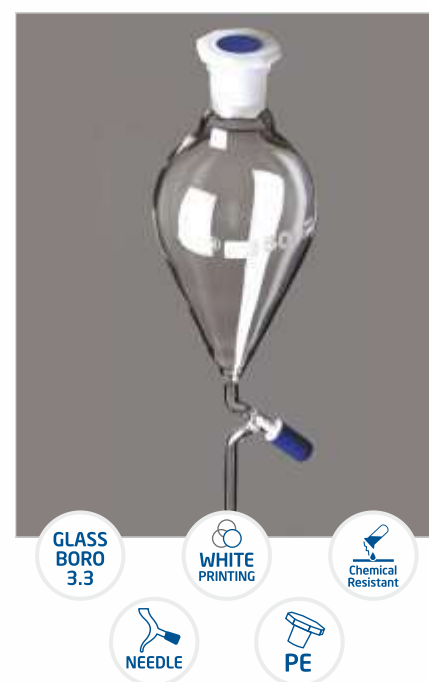


Funnel, Separating, Pear (ISO Shape), With Needle Valve Stopcock

- With PE Stopper
- Complies with ISO 4800 Standards
- Bore 0-3 mm

Item Code	Capacity (ml)	N/S	Stopcock Type	Pack of	Price / Piece
151.202.02	50	19/26	Needle Valve	1	960
151.202.03	100	19/26	Needle Valve	1	960
151.202.03A*	125	19/26	Needle Valve	1	980
151.202.04	250	29/32	Needle Valve	1	1120
151.202.05	500	29/32	Needle Valve	1	1370
151.202.06	1000	29/32	Needle Valve	1	2030
151.202.07	2000	29/32	Needle Valve	1	3400

* Non DIN



Funnels



Funnel, Separating, Pear (ISO Shape), With PTFE Stopcock

- With PE Stopper
- Complies with ISO 4800 Standards

Item Code	Capacity (ml)	N/S	Bore (mm)	Stopcock Type	Pack of	Price /Piece
152.202.02	50	19/26	2.5	PTFE	1	1395
152.202.03	100	19/26	2.5	PTFE	1	1405
152.202.03A*	125	19/26	2.5	PTFE	1	1425
152.202.04	250	29/32	4	PTFE	1	1570
152.202.05	500	29/32	4	PTFE	1	1785
152.202.06	1000	29/32	6	PTFE	1	2520
152.202.07	2000	29/32	6	PTFE	1	3800

* 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

Item Code	Capacity (ml)	N/S	Bore (mm)	Stopcock Type	Pack of	Price / Piece
154.203.02	50	14/23	2.5	Solid Glass	1	895
154.204.02*	50	29/32	2.5	Solid Glass	1	880
154.203.03	100	14/23	2.5	Solid Glass	1	1050
154.204.03*	100	29/32	2.5	Solid Glass	1	1050
154.202.04	250	29/32	4	Solid Glass	1	1210
154.202.05	500	29/32	4	Solid Glass	1	1630
154.202.06	1000	29/32	6	Solid Glass	1	2600

* 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

Item Code	Capacity (ml)	N/S	Stopcock Type	Pack of	Price / Piece
156.203.02	50	14/23	Needle Valve	1	765
156.204.02	50	29/32	Needle Valve	1	835
156.203.03	100	14/23	Needle Valve	1	845
156.204.03	100	29/32	Needle Valve	1	915
156.202.04	250	29/32	Needle Valve	1	1000
156.202.05	500	29/32	Needle Valve	1	1720
156.202.06	1000	29/32	Needle Valve	1	2355



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	Price / Piece
158.203.02	50	14/23	2.5	PTFE	1	1365
158.204.02*	50	29/32	2.5	PTFE	1	1470
158.203.03	100	14/23	2.5	PTFE	1	1465
158.204.03*	100	29/32	2.5	PTFE	1	1545
158.202.04	250	29/32	4	PTFE	1	1530
158.202.05	500	29/32	4	PTFE	1	1915
158.202.06	1000	29/32	6	PTFE	1	3255

* Non DIN

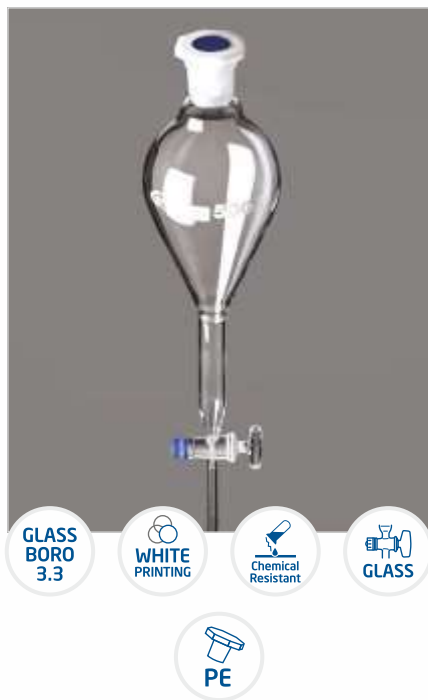


Funnels

Funnel, Dropping, Gilson, With Glass Stopcock

- With PE Stopper

Item Code	Capacity (ml)	N/S	Bore (mm)	Stopcock Type	Pack of	Price / Piece
159.202.01	50	19/26	2.5	Solid Glass	1	895
159.202.02	100	19/26	2.5	Solid Glass	1	945
159.202.03	250	29/32	4	Solid Glass	1	1120
159.202.04	500	29/32	4	Solid Glass	1	1255
159.202.05	1000	29/32	6	Solid Glass	1	1795
159.202.06	2000	29/32	6	Solid Glass	1	2460



Funnel, Dropping, Gilson, With PTFE Stopcock

- Available with PE Stopper

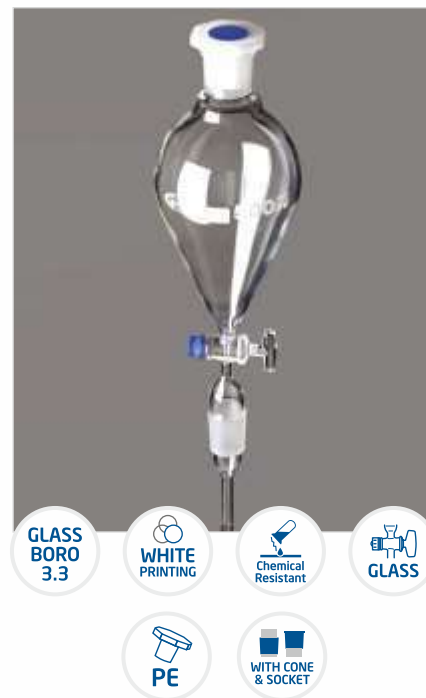
Item Code	Capacity (ml)	N/S	Bore (mm)	Stopcock Type	Pack of	Price / Piece
160.202.01	50	19/26	2.5	PTFE	1	1345
160.202.02	100	19/26	2.5	PTFE	1	1390
160.202.03	250	29/32	4	PTFE	1	1435
160.202.04	500	29/32	4	PTFE	1	1655
160.202.05	1000	29/32	6	PTFE	1	2425
160.202.06	2000	29/32	6	PTFE	1	3320



Funnel, Separating, Pear (ISO) shape, With Glass Stopcock

- Available with PE Stopper
- With cone & stem

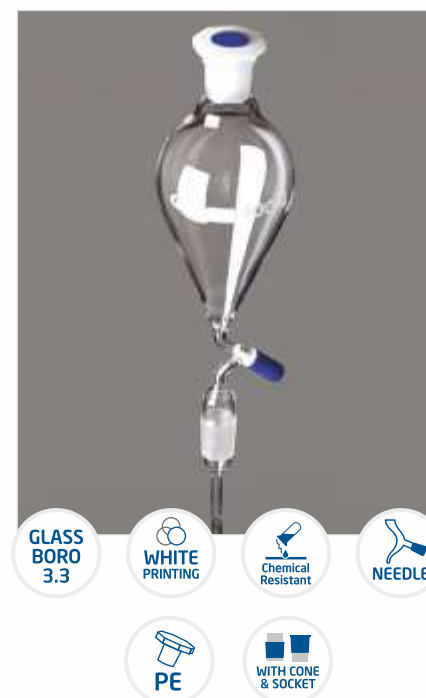
Item Code	Capacity (ml)	Socket & Cone N/S	Bore (mm)	Stopcock Type	Pack of	Price / Piece
162.202.03	50	19/26	2.5	Solid Glass	1	815
162.202.05	100	19/26	2.5	Solid Glass	1	910
162.204.06	250	29/32	4	Solid Glass	1	1125
162.204.08	500	29/32	4	Solid Glass	1	1410
162.204.11	1000	29/32	6	Solid Glass	1	2000



Funnel, Separating, Pear (ISO) 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	Price / Piece
163.202.03	50	19/26	Needle Valve	1	665
163.202.05	100	19/26	Needle Valve	1	785
163.204.06	250	29/32	Needle Valve	1	990
163.204.08	500	29/32	Needle Valve	1	1350
163.204.11	1000	29/32	Needle Valve	1	1960



Funnels

Funnel, Separating, Pear (ISO) shape, With PTFE Stopcock

- With PE Stopper
- With Cone & Stem



Item Code	Capacity (ml)	Socket & Cone N/S	Bore (mm)	Stopcock Type	Pack of	Price / Piece
164.202.03	50	19/26	2.5	PTFE	1	1505
164.202.05	100	19/26	2.5	PTFE	1	1625
164.204.06	250	29/32	4	PTFE	1	1775
164.204.08	500	29/32	4	PTFE	1	2150
164.204.11	1000	29/32	6	PTFE	1	2995

Funnel, Separating, Pear (ISO) Shape, With Glass Stopcock

- with stem inside cone



Item Code	Capacity (ml)	Socket & Cone N/S	Bore (mm)	Stopcock Type	Pack of	Price / Piece
162.210.03	50	19/26	2.5	Solid Glass	1	975
162.210.05	100	19/26	2.5	Solid Glass	1	1030
162.210.06	250	29/32	4	Solid Glass	1	1240
162.210.08	500	29/32	4	Solid Glass	1	1555
162.210.10	1000	29/32	6	Solid Glass	1	2145

Funnel, Separating, Pear (ISO) Shape, With PTFE Stopcock

- with stem inside cone

Item Code	Capacity (ml)	Socket & Cone N/S	Bore (mm)	Stopcock Type	Pack of	Price / Piece
164.210.03	50	19/26	2.5	PTFE	1	1630
164.210.05	100	19/26	2.5	PTFE	1	1755
164.210.06	250	29/32	4	PTFE	1	1895
164.210.08	500	29/32	4	PTFE	1	2290
164.210.10	1000	29/32	6	PTFE	1	3195

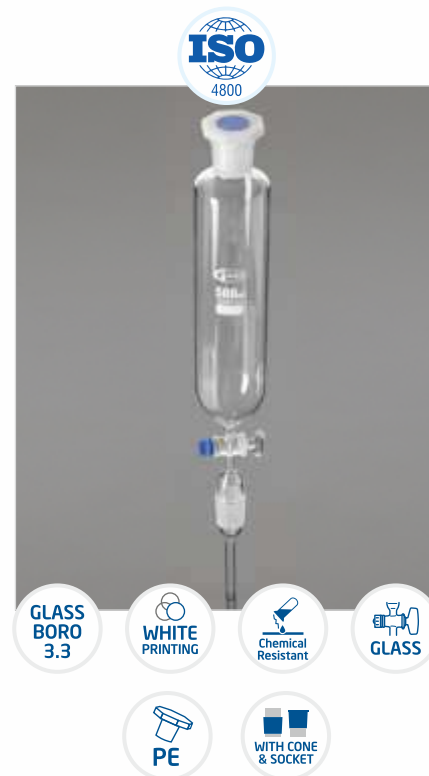


Funnel, Separating, Cylindrical, With Glass Stopcock

- 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	Price / Piece
165.202.02	50	14/23	2.5	Solid Glass	1	805
165.202.02A*	50	29/32	2.5	Solid Glass	1	815
165.202.03	100	14/23	2.5	Solid Glass	1	835
165.202.03A*	100	29/32	2.5	Solid Glass	1	930
165.202.05A	250	29/32	4	Solid Glass	1	1135
165.202.06A	500	29/32	4	Solid Glass	1	1485
165.202.07A	1000	29/32	6	Solid Glass	1	2250

* Non DIN



Funnels

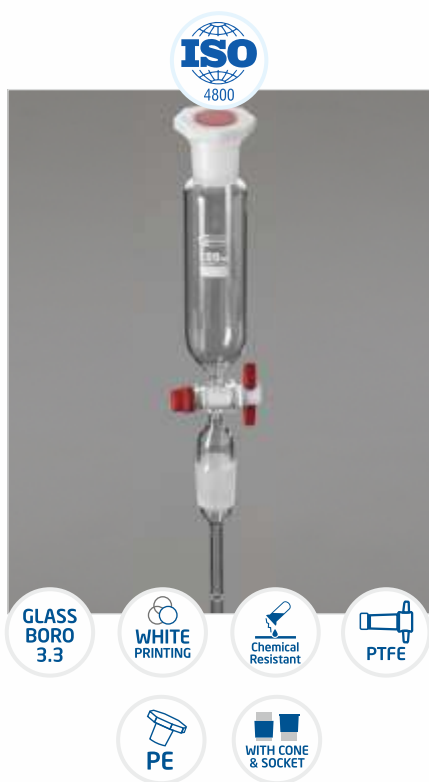


Funnel, Separating, Cylindrical, With Needle Valve Stopcock

- Made from DIN ISO 3585, BORO 3.3 GLASS
- With PE Stopper
- With cone & stem

Item Code	Capacity (ml)	N/S	Stopcock Type	Pack of	Price / Piece
166.202.02	50	14/23	Needle Valve	1	710
166.202.02A*	50	29/32	Needle Valve	1	710
166.202.03	100	14/23	Needle Valve	1	730
166.202.03A*	100	29/32	Needle Valve	1	835
166.202.05A	250	29/32	Needle Valve	1	1055
166.202.06A	500	29/32	Needle Valve	1	1495
166.202.07A	1000	29/32	Needle Valve	1	2575

* Non DIN



Funnel, Separating, Cylindrical, With PTFE 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	Price / Piece
167.202.02	50	14/23	2.5	PTFE	1	1405
167.202.02A*	50	29/32	2.5	PTFE	1	1450
167.202.03	100	14/23	2.5	PTFE	1	1490
167.202.03A*	100	29/32	2.5	PTFE	1	1590
167.202.05A	250	29/32	4	PTFE	1	1740
167.202.06A	500	29/32	4	PTFE	1	2045
167.202.07A	1000	29/32	6	PTFE	1	3310

* 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	Price / Piece
165.210.02	50	14/23	2.5	Solid Glass	1	945
165.210.02A*	50	29/32	2.5	Solid Glass	1	975
165.210.03	100	14/23	2.5	Solid Glass	1	990
165.210.03A*	100	29/32	2.5	Solid Glass	1	1060
165.210.05	250	29/32	4	Solid Glass	1	1260
165.210.06	500	29/32	4	Solid Glass	1	1615
165.210.07	1000	29/32	6	Solid Glass	1	2405

* Non DIN



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	Price / Piece
167.210.02	50	14/23	2.5	PTFE	1	1525
167.210.02A*	50	29/32	2.5	PTFE	1	1575
167.210.03	100	14/23	2.5	PTFE	1	1610
167.210.03A*	100	29/32	2.5	PTFE	1	1700
167.210.05	250	29/32	4	PTFE	1	1880
167.210.06	500	29/32	4	PTFE	1	2185
167.210.07	1000	29/32	6	PTFE	1	3405

* Non DIN



Funnels



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	Price / Piece
168.202.01	50	14/23	2.5	Solid Glass	1	1765
168.202.01A	50	29/32	2.5	Solid Glass	1	1865
168.202.02A	100	14/23	2.5	Solid Glass	1	1865
168.202.03A	100	29/32	2.5	Solid Glass	1	2010
168.202.04A	250	29/32	4	Solid Glass	1	2010
168.202.05A	500	29/32	4	Solid Glass	1	2735

Funnel, Pressure Equalizing, Cylindrical

- Made from DIN ISO 3585, Boro 3.3 Glass
- With Stem inside cone

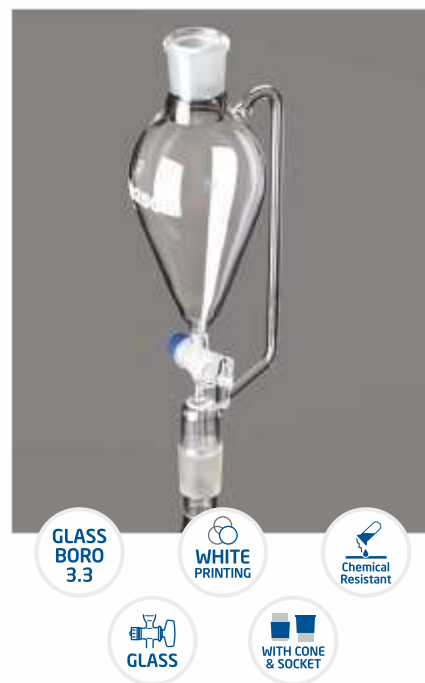
Item Code	Capacity (ml)	N/S	Bore (mm)	Stopcock Type	Pack of	Price / Piece
169.202.01	50	14/23	2.5	PTFE	1	2395
169.202.01A	50	29/32	2.5	PTFE	1	2560
169.202.02A	100	14/23	2.5	PTFE	1	2585
169.202.03A	100	29/32	2.5	PTFE	1	2800
169.202.04A	250	29/32	4	PTFE	1	2800
169.202.05A	500	29/32	4	PTFE	1	3345



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	Price / Piece
170.202.01	50	14/23	2.5	Solid Glass	1	1595
170.202.02A	100	14/23	2.5	Solid Glass	1	1655
170.202.04A	250	29/32	4	Solid Glass	1	1750
170.202.05A	500	29/32	4	Solid Glass	1	2870



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	Price / Piece
171.202.01	50	14/23	2.5	PTFE	1	2650
171.202.02A	100	14/23	2.5	PTFE	1	2915
171.202.04A	250	29/32	4	PTFE	1	3090
171.202.05A	500	29/32	4	PTFE	1	3705



Funnels



Funnel, Separatory

- Made of Polypropylene
- Provides excellent contact clarity & Strength
- Is per shaped & autoclavable
- Has leakproof screw cap threaded
- PP stopcock fitted with self lubricating PTFE plug, is push fitted to the stem of funnels

Item Code	Capacity (ml)	Pack of	Price /Pack
181.303.01	100	2	810
181.303.02	250	2	1080
181.303.03	500	2	1355



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	Price /Pack
114.303.01	Separator Funnel Holder	12	2950

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"

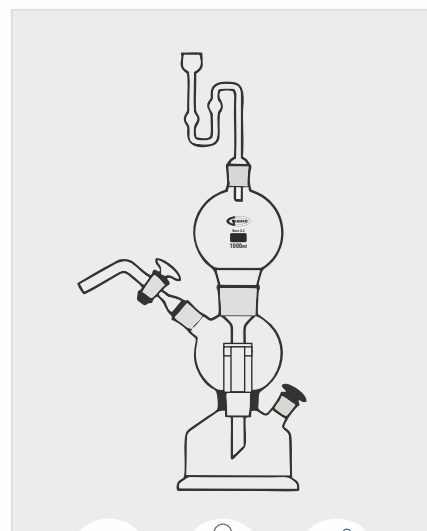
Item Code	Type	Pack of	Price /Pack
113.303.01	Separator Funnel Holder	12	960



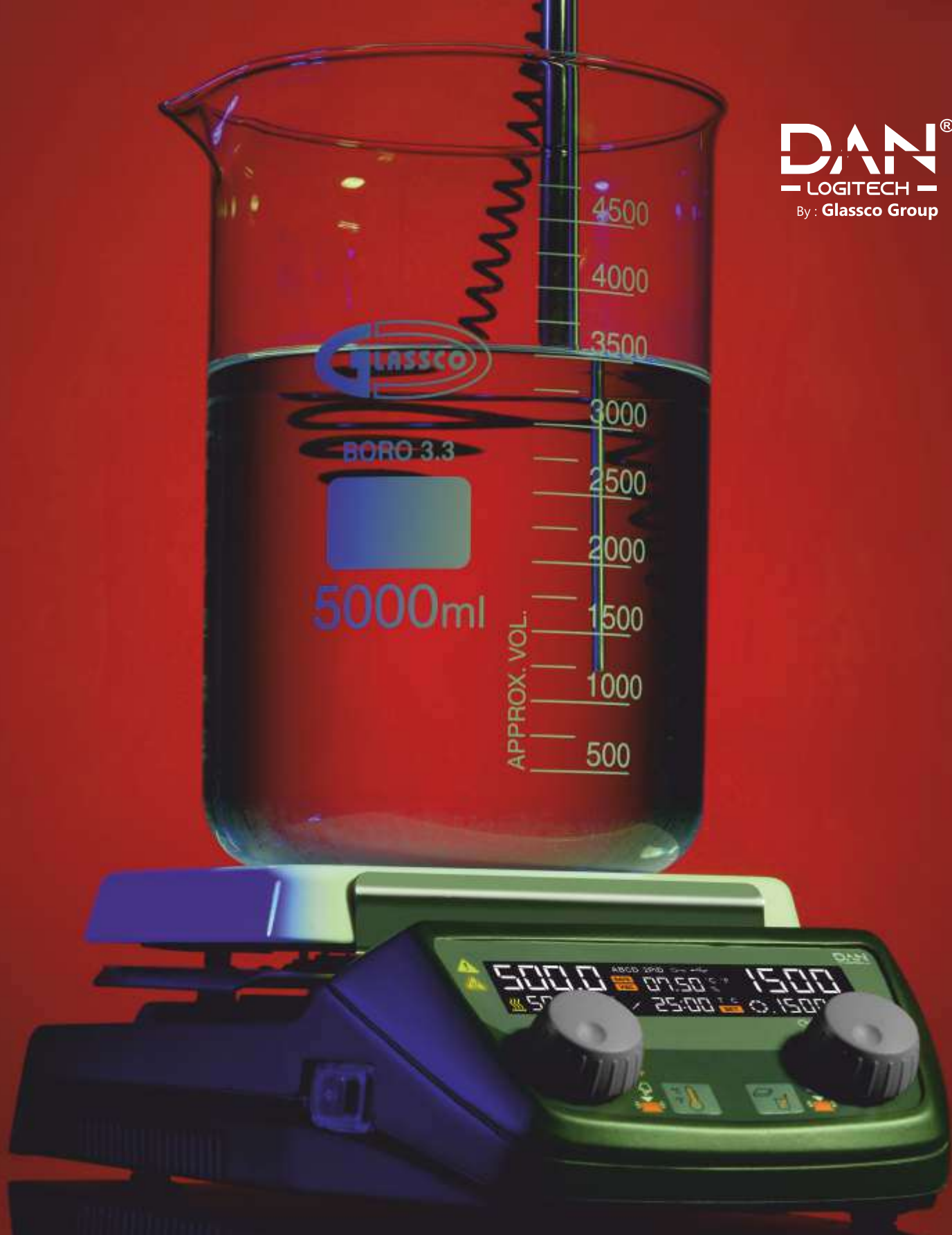
Gas Generator Apparatus (Kipps)

- Manufactured from 3.3 Borosilicate glass for corrosion-free performance
- Produce common gases
- User-friendly

Item Code	Extractor Length mm	Pack of	Price /Piece
497.202.01	500	1	11750
497.202.02	1000	1	15210



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By : Glassco Group



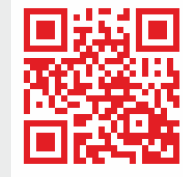
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INDIAN ENGINEERING
Affordable Technology & Software
Labs-Connect™ BlackDiamond™



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

MAGNETIC STIRRER WITH HOTPLATE (WITH LCD DIGITAL DISPLAY)

- Independent control for heating & stirring
- Powerful 1300 W heater, biggest in class, gives results quickly.
- Supplied with Accessories, Probe based thermal control best for direct media temperature control.
- 7X7 inch Glass Cera top supports large vessels upto 5 Ltr.
- Pt1000 for higher accuracy.

RELIABILITY

- Hot Top warning, very safe for users.
- Precise, microcontroller-based temperature control in both C & F
- Indicates errors automatically in Display.
- Interface easy to use.
- Rugged against spillages. Patented spill away design

DURABILITY

- PU coated body, made from AL Alloy gives infinite rust/damage free life
- Can carry 25 KG weight
- BLAC motor withstands
- Voltage fluctuations & highly durable

SERVICABILITY & SUPPORT

- Made in India...
- Tech support and Spares readily supported.
- Low down times.
- Value for investment

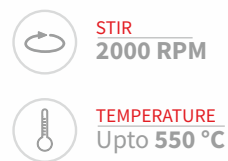
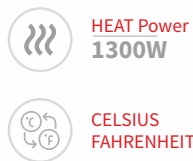
Item Code	Volt	Hz	Watts	Price /Piece*
500B.DNDG.01	230	50	1300	Price on Request

Accessories:

Item Code	Accessories	Price /Piece
550.500.01	Rod Stainless Steel length 500 mm, Ø 12 mm	2700
550.500.02	Magnetic Stirring bar 25 mm x 8 mm	430
550.500.03	PT 1000 Sensor Probe	7000
550.500.04	Clamp with Boss head	4050

Technical Specification :

Heating Plate Material	Glass Ceramic Top Plate
Dimension of Heating Plate	180 mm x 180 mm
Display Windows	LCD WHITE
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%
Dimensions of Hot Plate Body	378x220x103
IP Class	21



***Note :** Stainless Steel Rod, Stirring Bar, PT Sensor & Clamp with Boss Head has to be ordered separately)



500B.DNDG.01

A) Innovative Spill away (Patent Pending) :



Backward Spillage

B) Informative BIG White LCD with set & actual



MAGNETIC STIRRER WITH HOTPLATE PRO (WITH LCD DIGITAL DISPLAY)

- Powerful 1300 W heater, biggest in class, gives results quickly.
- Supplied with Accessories, Probe based thermal control best for direct media temperature control.
- 7X7 inch Glass Cera top supports large vessels upto 5 Ltr.
- Pt1000 for higher accuracy.
- Automatic device control mode.
- Temperature reach alarms.
- Timer/Counter option.
- Continuous stir on or off option.

RELIABILITY

- Hot Top warning, very safe for users.
- Precise, microcontroller-based temperature control in both C & F
- Indicates errors automatically in Display.
- Interface easy to use.
- Rugged against spillages. Patented spill away design
- Setting Lock Possible.

DURABILITY

- PU coated body, made from AL Alloy gives infinite rust/damage free life.
- Can carry 25 KG weight.
- BLAC motor withstands
- Voltage fluctuations & highly durable

SERVICABILITY & SUPPORT

- Made in India.
- Tech support and Spares readily supported.
- Low down times.
- Value for investment.



500P.DNDG.01

Item Code	Volt	Hz	Watts	Price /Piece*
500PDNDG.01	230	50	1300	Price on Request
500PDNDG.02	115	60	1300	Price on Request

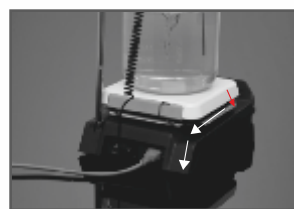
Accessories:

Item Code	Accessories	Price /Piece
550.500.01	Rod Stainless Steel length 500 mm, Ø 12 mm	2700
550.500.02	Magnetic Stirring bar 25 mm x 8 mm	430
550.500.03	PT 1000 Sensor Probe	7000
550.500.04	Clamp with Boss head	4050

Technical Specification :

Heating Plate Material	Glass Ceramic Top Plate
Dimension of Heating Plate	180 mm x 180 mm
Display Windows	LCD WHITE
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%
Dimensions of Hot Plate Body	378x220x103
IP Class	21

A) Innovative Spill away (Patent Pending) :



Backward Spillage



HEAT Power
1300W



STIR
2000 RPM



INDEPENDENT
HEAT/STIR
SELECTION



CELSIUS
FAHRENHEIT



TEMPERATURE
Upto 550 °C



PLATE/ PROBE
SELECTION KEYS



**Note : Stainless Steel Rod, Stirring Bar, PT Sensor, pH Sensor & Clamp with Boss Head has to be ordered separately)*

MAGNETIC STIRRER WITH HOTPLATE PRO+ (WITH LCD DIGITAL DISPLAY & pH WITH WIFI BASED LAB-CONNECT)

- WIFI variant adds value **Labs-Connect** useful for private non pharma labs.
- 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
- Lock Key on panel for settings lock
- Pt1000 for higher accuracy
- Separate PID/Heating mode selection

RELIABILITY

- Hot Top warning, very safe for users.
- Precise, microcontroller-based temperature control in both C & F
- Indicates errors automatically in Display.
- Interface easy to use.
- Rugged against spillages. Patented spill away design.

DURABILITY

- PU coated body, made from AL Alloy gives infinite rust/damage free life.
- Can carry 25 KG weight.
- BLAC motor withstands
- Voltage fluctuations & highly durable

SERVICABILITY & SUPPORT

- Patented Cera Click system for quick service.
- Made in India... Tech support and Spares readily supported.
- Low down times.
- Value for investment

Item Code	Volt	Hz	Watts	Price /Piece*
500PPDNDG.01	230	50	1300	Price on Request



500PP.DNDG.01

Accessories:

Item Code	Accessories	Price /Piece
550.500.01	Rod Stainless Steel length 500 mm, Ø 12 mm	2050
550.500.02	Magnetic Stirring bar 25 mm x 8 mm	430
550.500.03	PT 1000 sensor probe	7000
550.500.04	Clamp with Boss head	4050
550.500.07	pH Electrode	8400

Technical Specification :

Heating Plate Material	Glass Ceramic Top Plate
Dimension of Heating Plate	180 mm x 180 mm
Display Windows	LCD WHITE
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%
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 Power
1300W



STIR
2000 RPM



INDEPENDENT
HEAT/STIR
SELECTION



CELSIUS
FAHRENHEIT



TEMPERATURE
Upto **550°C**



PLATE/ PROBE
SELECTION KEYS

**Note : Stainless Steel Rod, Stirring Bar, PT Sensor, pH Sensor & Clamp with Boss Head has to be ordered separately)*



MAGNETIC STIRRER WITH HOTPLATE (GLASS CERAMIC TOP)

- 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.

Item Code	Volt	Hz	Watts	Price /Piece*
500.DNAG.01	230	50	1300	Price on Request

Accessories:

Item Code	Accessories	Price /Piece
550.500.01	Rod Stainless Steel length 500 mm, Ø 12 mm	2700
550.500.02	Magnetic Stirring bar 25 mm x 8 mm	430
550.500.03	PT 100 sensor probe	6500
550.500.04	Clamp with Boss head	4050



500.DNAG.01

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) :



Backward Spillage



HEAT POWER
1300W



STIR
2000 RPM



HEAT/STIR
SELECTION



CELSIUS
FAHRENHEIT



TEMPERATURE
Upto 550 °C



PLATE/ PROBE
SELECTION



**Note : Stainless Steel Rod, Stirring Bar, PT Sensor & Clamp with Boss Head has to be ordered separately)*

MAGNETIC STIRRER WITH HOTPLATE DIGITAL With pH (WITH LABS-CONNECT™)

CeraClick-System™

- 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.01

Item Code	Volt	Hz	Watts	Price /Piece*
500.DNDG.01	230	50	1300	Price on Request

Accessories:

Item Code	Accessories	Price /Piece
550.500.01	Rod Stainless Steel length 500 mm, Ø 12 mm	2050
550.500.02	Magnetic Stirring bar 25 mm x 8 mm	430
550.500.03	PT 100 sensor probe	6500
550.500.04	Clamp with Boss head	4050
550.500.07	pH Electrode	8400

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
Motor Type	BLDC
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 POWER
1300W



STIR
2000 RPM



HEAT/STIR
SELECTION



CELSIUS
FAHRENHEIT



TEMPERATURE
Upto 550 °C



PLATE/ PROBE
SELECTION



**Note : Stainless Steel Rod, Stirring Bar, PT Sensor, pH Sensor & Clamp with Boss Head has to be ordered separately)*

MAGNETIC STIRRER WITH HOTPLATE DIGITAL (CERAMIC COATED STAINLESS STEEL TOP)

- 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
- 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.01

Item Code	Volt	Hz	Watts	Top Plate	Price /Piece*
900.DNDG.01	230	50	650	Polished Stainless Steel with Ceramic Coated	Price on Request

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	20 Ltr
IP Class	32

Accessories:

Item Code	Accessories	Price /Piece
850.800.01	Rod Stainless Steel Length 400mm, Ø 12mm	2050
850.800.02	Magnetic Stirring bar 35mmx8mm	465
850.800.03	Moulded PT 100 Sensor	6500
850.800.04	Boss head	4050

**Note : Stainless Steel Rod, Stirring Bar, PT Sensor & Boss Head has to be ordered separately)*



HEAT POWER
650W



STIR
1500 RPM



TIMER
00:01-99:59



HEAT/STIR/TIME
KNOB



CELSIUS
FAHRENHEIT



TEMPERATURE
Upto 350 °C



PLATE/ PROBE
SELECTION



MAGNETIC STIRRER WITH HOTPLATE DIGITAL (ALUMINIUM ALLOY CERAMIC COATED TOP) For Adapters

- 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.01

Item Code	Volt	Hz	Watts	Top Plate	Price /Piece
610.DNDG.01	230	50	650	Aluminum Ceramic Coated	Price on Request

Technical Specification :

Heating Plate Material	Aluminium Alloy with Ceramic Coating
Dimension of Heating Plate	Ø 145/Ø 135 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	20 Ltr
IP Class	32



Included Accessories:

Item Code	Accessories	Price /Piece
850.800.01	Rod Stainless Steel Length 400mm, Ø 12mm	2050
850.800.02	Magnetic Stirring bar 35mmx8mm	465
850.800.03	Moulded PT 100 Sensor	6500
850.800.04	Boss head	4050
850.800.05	Adapter ring to fit Ø135*	-

* Above price exclude aluminum flask adapter

Item Code	Accessory (Aluminum Adapter for Round Bottom Flasks) Flask Capacity (ml)	Places	Price /Piece
610.ADP00	10 ml	8	16675
610.ADP01	25 ml	7	16675
610.ADP02	50 ml	4	16675
610.ADP03	100 ml	1	16675



*Ø135 - To be order separately

MAGNETIC STIRRER WITH HOTPLATE Analog (STAINLESS STEEL/ALUMINIUM ALLOY CERAMIC COATED TOP)

- 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.
- 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	Price / Piece
710.DNAG.01	230	50	650	SS Ceramic Coated	18400
610.DNAG.01	230	50	650	Aluminum Ceramic Coated	18100

610.DNAG.01

Technical Specification :

Heating Mantle Material	: Stainless Steel 304 Grade with Ceramic Coating/Aluminum Alloy with Ceramic Coating
Dimension of heating plate	: Ø145 (For 610DNAG) Ø150 (For 710DNAG)
Speed range	: 50-1600 RPM
Maximum stirring bar Length	: Can use upto 80 mm bar (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	: 20 Ltr
IP Class	: 22

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



HOTPLATE ANALOG (STAINLESS STEEL CERAMIC COATED TOP)

- Powerful 650W Heater Heat Evenly, rapidly & given result quickly
- PU Coated Aluminium Alloy Moulded Construction
- 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	Price / Piece
730.DNAG.01	230	50	30	Stainless Steel top with Ceramic Coating	19800



Technical Specification :

Heating Mantle Material	: Stainless Steel 304 Grade/ 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

730.DNAG



MAGNETIC STIRRER ANALOG (STAINLESS STEEL LARGE TOP)

- 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.
- Stirring Indicator.
- Error displays & safety for Stir function built in.

Item Code	Volt	Hz	Watts	Top Plate	Price / Piece
725.DNAG.01	230	50	30	Stainless Steel	18200
720.DNAG.01	230	50	30	Stainless Steel	17800

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



725.DNAG.01



720.DNAG.01



DRY BLOCK HEATER

- PU coated aluminium alloy body construction ensures durability
- Interchangeable aluminum alloy sample blocks provide versatility and allow for easy cleaning and disinfecting
- Precise temperature control with PID circuit
- Digital controls and display of time and temperature
- Built-in temperature sensing probe for outstanding temperature accuracy and control
- Timer allows the user to accurately monitor/control the heating time

Item Code	No of Block	Volt	Hz	Watts	Price / Piece
740.DNEU.01	1	230	50	170	Price on Request
750.DNEU.01	2	230	50	340	Price on Request

Technical Specification :

	Single block heater	Double block heater
Number of blocks	1	2
Heat output	170	340
Heating temperature range [°C]	120°C	120°C
Temperature display	YES	YES
Adjustment & display resolution [K]	1	1
Connection for ext. temp sensor	DIN	DIN
Temperature sensor	Pt1000	Pt1000
Set-up plate material	Aluminium alloy	Aluminium alloy
Set-up plate dimensions [mm]	95*76*51	95*76*51 x (2 block)
Fixed safety circuit [°C]	130	130
Timer	YES	YES
Time setting range [min]	1 - 5999	1 - 5999
Counter	YES	YES
Counter setting range [min]	1 - 5999	1 - 5999
Dimensions (W x H x D) [mm]	160*80*271	163*106*332
Weight [kg]	2.8 kg (Approx.)	2.9 kg (Approx.)
Permissible ambient temp[°C]	5°C - 40°C	5°C - 40°C
Permissible relative humidity [%]	80	80
Protection class according to DIN EN 60529	IP 21	IP 21
Voltage [V]	230V	230V
Frequency [Hz]	50Hz	50Hz
Power input [W]	170W	340W



740.DNEU.01



750.DNEU.01

Accessories:

Item Code	Accessories	Price /Piece
740.00.01	Probe	7400
740.00.02*	Single Block	19500

*Specify cavity size required during ordering in Dia x Height (DxH)



MAGNETIC STIRRER WITH HOTPLATE ANALOG (3 POSITION)

- 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.
- 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	Price /Piece
716.DNAG.01	230	50	(450x3) 1350	SS	Price on Request

Technical Specification :

Heating plate material	Stainless Steel
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
450W/Position



STIR
1600 RPM



HEAT/STIR
SELECTION



CELSIUS TO
FAHRENHEIT



TEMPERATURE
Upto 350 °C



DIGITAL FLAT STIRRER

- 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 (H₂O): 800 ml
- Speed range: 10 - 1500 rpm



430.DNDG.01

Model No.	V	Hz	Price/Piece
430.DNDG.01	100-240	50/60	12500

Technical Specification :

Number of stirring positions	1
Stirring quantity max. per stirring position (H ₂ 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 (FOR LARGE VOLUMES)

- Large display allow viewing from distance
- Powerful magnet stirrer large volume
- Acceleration adjust for volume & viscosity combination
- Auto power 'ON' possible
- Optional Detachable wire & wireless remotes 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 trolley truck for large vessels



450.DNDG

Item Code	Volt	Hz	Watts	Cap. (Ltr.)	Top Plate	Price /Piece
420.DNDG.01	100-240	50/60	50	20	SS 304 Grade	Price on Request
440.DNDG.01	100-240	50/60	50	40	SS 304 Grade	Price on Request
450.DNDG.01	100-240	50/60	50	50	SS 304 Grade	Price on Request
4100.DNDG.01	100-240	50/60	50	100	SS 304 Grade	Price on Request
4200.DNDG.01	100-240	50/60	50	200	SS 304 Grade	Price on Request

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

Accessories:

Item Code	Accessories	Price /Piece
420.00.01	Remote (Wired)	Price on Request
420.00.02	Remote IR (Wireless)	Price on Request
420.00.03	Trolley Truck	Price on Request



**STIR
2000 RPM**



**STIR MODES
SELECTION**



**INFRARED
SENSOR**



**OPTIONAL
REMOTE**



**7 MODE
SELECTION**



**POWER
SELECT**



MAGNETIC STIRRER WITH HEATING DIGITAL (5 POSITION)



- 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



411.DNWDG.01
(With WiFi)

Item Code	Volt	Watts	Hz	Heat	WIFI	Price /Piece
411.DNWDG.01	230	220	50	✓	✓	Price on Request
411.DNDG.01	230	220	50	✓	✗	Price on Request

Technical Specification :

Set-up plate material	Aluminium
Silicone Mat	Yes
Number of stirring positions	5
Stirring position distance	90 mm
Speed range	0 - 1000 rpm
Speed control	10 RPM Steps
Stirring quantity max.	2L
Stirring bar length max.	30mm x 8mm
Heating temperature range	Room temp. - 120°C
Control display	LED
Input Type	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	514x122mm
Dimensions (W x H x D)	600 x 120 x 80 mm
Weight	4.4 (Approx.)
Permissible ambient temperature	5 - 40 °C
Permissible relative humidity	80 %
Protection class according to DIN EN 60529	Ip40



STIR
1000 RPM



HEAT & STIR
SETUP



TEMPERATURE
Upto 120 °C



6 MODE
CHOICES

Included Accessories:

Item Code	Accessories	Price /Pack
411.00.01	(5) Magnetic Stirring bar 30mm x 8mm	4000



MAGNETIC STIRRER WITH HEATING DIGITAL (15 POSITION)



- 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



415.DNDG.01

Item Code	Volt	Watts	Hz	Heat	WIFI	Price /Piece
415.DNWDG.01	230	750	50	✓	✓	Price on Request
415.DNDG.01	230	750	50	✓	✗	Price on Request
414.DNDG.01	230	50	50	✗	✗	Price on Request

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 ₂ 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

*Also available
without Temperature*



414.DNDG.01

Included Accessories:

Item Code	Accessories	Price /Pack
411.00.01	(15) Magnetic Stirring bar 30mm x 8mm	6000



HEATING MANTLE ANALOG

BlackDiamond™



1220.DNEU

- Simply set power knob to attained selected values
- Designed for advanced Laboratory usage
- For Round Bottomed Flasks as per DIN - 12347
- PU Coated Aluminium & Stainless Steel construction
- Glass fibre yarn knitted mantle provides uniform heating to flask
- Predictable electronic power regulator
- Provision to attach accessories like thermometers
- Innovative spill collect system enables collection of spillage in case of breakage of flasks upto 5 Ltr
- Fewer parts ensure longer life
- Easy to use and maintain

Model No. (230V, 50Hz)	Capacity (ml)	Watts	Dimension (WxDxH)	Price / Piece
1220.DNEU.01	100*	200	167x240x182	9870
1220.DNEU.02	250*	200	167x240x182	9870
1220.DNEU.03	500*	250	217x287x203	11025
1220.DNEU.04	1000*	350	217x287x203	11025
1220.DNEU.05	2000*	500	309x390x262	14175
1220.DNEU.06	3000*	500	309x390x262	14175
1220.DNEU.08	5000*	650	309x390x262	14910
1220.DNEU.09	6000	650	-	Price on Request
1220.DNEU.10	10000	1250	-	Price on Request
1220.DNEU.11	20000	1850	-	Price on Request

Optional Accessories

Item Code	Accessories	Price /Piece
850.800.01	SS Rod (542mm, Ø 9mm)	2700
850.800.04	Bosshead	4050



Spill collect system

*For lower volumes only.

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 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



HEAT POWER
200-1850W



TEMPERATURE
Upto 400 °C



CAPACITY
Upto 100-20000ml



HEATING MANTLE DIGITAL

BlackDiamond™

- Designed for advanced Laboratory usage
- PU Coated Aluminium & Stainless Steel construction
- Temperature control with digital display
- For Round Bottomed Flasks as per DIN - 12347
- Control the temperature of subject in flask using probe
- Celsius/Fahrenheit selection
- Mantle/Probe selection
- Glass fibre yarn knitted mantle provides uniform heating to flasks
- Innovative spill collect system enables collection of spillage in case of breakage of flasks
- Easy to use and maintains
- Provision to attach accessories
- Auto Power 'ON' possible
- Glass fibre Insulation saves power wastage
- Probe based low temperature controls of liquid



1222.DNEU

Model No. (230V, 50Hz)	Capacity (ml)	Watts	Dimension (WxDxH)	Price / Piece
1222.DNEU.01	100*	200	167x240x182	16050
1222.DNEU.02	250*	200	167x240x182	16050
1222.DNEU.03	500*	250	217x287x203	17548
1222.DNEU.04	1000*	350	217x287x203	17548
1222.DNEU.05	2000*	500	309x390x262	24075
1222.DNEU.06	3000*	500	309x390x262	24075
1222.DNEU.08	5000*	650	309x390x262	24075

Included Accessories:

Item Code	Accessories	Price /Piece
850.800.01	Rod Stainless Steel Length 542mm, Ø 9mm	2700
850.800.03	Moulded PT 100 Sensor	6500
850.800.04	Boss head	4050

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



HEAT
200-650W



TEMPERATURE
Upto 400 °C



CAPACITY
Upto 5000ml



HEAT
KNOB



CELSIUS TO
FAHRENHEIT



HEATING MANTLE WITH STIRRER ANALOG

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
- Knob for stir speed control upto 800 RPM
- Innovative spill collect system enables collection of spillage in case of breakage of flasks
- Fewer parts give longer life
- Easy to use and maintain
- Provision to attach accessories



1223.DNEU

Model No. (230V, 50Hz)	Capacity (ml)	Watts	Dimension	Price / Piece
1223.DNEU.01	100	220	167x240x182	15450
1223.DNEU.02	250	220	167x240x182	15450
1223.DNEU.03	500	270	217x287x203	15450
1223.DNEU.04	1000	370	217x287x203	16686
1223.DNEU.05	2000	520	309x390x262	20085
1223.DNEU.06	3000	520	309x390x262	20085
1223.DNEU.08	5000	670	309x390x262	20085

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



*For lower volumes only.

The spill protect feature is provided in models upto 5000ml.

Included Accessories

Item Code	Accessories	Price /Piece
1500.150.01	Magnetic Stirring bar 20mmx8mm (For 100-1000ml)	400
1500.150.02	Magnetic Stirring bar 25mmx9mm (For 2000-5000ml)	410
850.800.01	SS Rod (542mm, Ø 9mm)	2700
850.800.03	Moulded PT 100 Sensor probe	6500
850.800.04	Bosshead	4050



HEAT
220-670W



TEMPERATURE
Upto 400 °C



STIR
800 RPM



HEAT & STIR
KNOBS



HEATING MANTLE WITH STIRRER DIGITAL

BlackDiamond™

- Designed for advanced Laboratory usage
- Control the temperature of subject in flask using probe
- PU Coated Aluminium & Stainless Steel construction
- Temperature control with digital display built in magnetic stirring
- Celsius/Fahrenheit selection
- Mantle/Probe selection
- For Round Bottomed Flasks as per DIN - 12347
- Glass fibre yarn knitted mantle provides uniform heating to flasks
Innovative spill collect system enables collection of spillage in case of breakage of flasks
- Electronic stir speed control
- Glass fibre Insulation saves power wastage
- Auto Power 'ON' possible

With
STIRRER



1221.DNEU

Model No. (230V, 50Hz)	Capacity (ml)	Watts	Dimension	Price / Piece
1221.DNEU.01	100	220	167x240x182	24200
1221.DNEU.02	250	220	167x240x182	23975
1221.DNEU.03	500	270	217x287x203	25640
1221.DNEU.04	1000	370	217x287x203	25640
1221.DNEU.05	2000	520	309x390x262	30525
1221.DNEU.06	3000	520	309x390x262	31080
1221.DNEU.08	5000	670	309x390x262	33300

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



Spill collect system

*For lower volumes only.

The spill protect feature is provided in models upto 5000ml.

Included Accessories

Item Code	Accessories	Price /Piece
1500.150.01	Magnetic Stirring bar 20mmx8mm (For 100-1000ml)	400
1500.150.02	Magnetic Stirring bar 25mmx9mm (For 2000-5000ml)	410
850.800.01	SS Rod (542mm, Ø 9mm)	2700
850.800.03	Moulded PT 100 Sensor probe	6500
850.800.04	Boshead	4050



ADVANCED HEATING MANTLE WITH STIRRER

BlackDiamond™ PRO

- Designed for advanced Laboratory usage
- For Round Bottomed Flasks as per DIN - 12347
- PU Coated Aluminium & Stainless Steel construction
- Setable temperature trigger to sound alarm
- Infinite stirring/ time provided also
- 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'
- With durable BLAC motor

With
STIRRER



1225.DNEU

Model No. (230V, 50Hz)	Capacity (ml)	Watts	Dimension	Price / Piece
1225.DNEU.01	100	220	240x315x203	28015
1225.DNEU.02	250	220	240x315x203	28015
1225.DNEU.03	500	270	240x315x203	28325
1225.DNEU.04	1000	370	240x315x203	28325
1225.DNEU.05	2000	520	309x390x262	32700
1225.DNEU.06	3000	520	309x390x262	32700
1225.DNEU.08	5000	670	309x390x262	33785

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



*For lower volumes only.

The spill protect feature is provided in models up to 5000ml.

Included Accessories

Item Code	Accessories	Price /Piece
1500.150.01	Magnetic Stirring bar 20mmx8mm (For 100-1000ml)	400
1500.150.02	Magnetic Stirring bar 25mmx9mm (For 2000-5000ml)	410
850.800.01	SS Rod (542mm, Ø 9mm)	2700
850.800.03	Moulded PT 100 Sensor probe	6500
850.800.04	Bosshead	4050



HEAT POWER
220-670W



STIR
800 RPM



HEAT/STIR/TIME SELECTION



MANTLE/PROBE SELECTION



TIMER
00:01-99:59



TEMPERATURE
Upto 400 °C



HEAT/STIR/TIME DISPLAY



CELSIUS TO FAHRENHEIT



HEATING MANTLE COMBINED UNIT

- 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
- Also Available with metallic stand 1101.EU

Model No. (230V, 50Hz)	Capacity (ml)	Watts	No. of Position of regulator	Price / Piece
2600.DNEU.01	100	600	3/3	22365
2600.DNEU.02	250	600	3/3	22785
2600.DNEU.03	500	750	3/3	25095
2600.DNEU.04	100	1200	6/6	28875
2600.DNEU.05	250	1200	6/6	31605
2600.DNEU.06	500	1500	6/6	33075

Included Accessories

Item Code	Accessories	Price /Piece
2000.200.01	Vertical Rod Stainless Steel length 542 mm, Ø 9.8 mm	2800
2000.200.02	Horizontal Rod Stainless Steel length 972 mm, Ø 9.8 mm	2800
2000.200.03	5/8 Boss Head	1175
2000.200.04	3/6 Clamp	1450

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



2600.DNEU



HEAT
600-1500W



TEMPERATURE
Upto 400 °C



HEAT SELECTION



MANTLE BODY
MILD STEEL

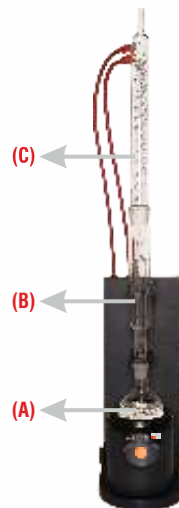


CAPACITY
Upto 500ml

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
1101.DNEU.01	100	200	280x210x520	1/1	16390
1101.DNEU.02	250	200	280x210x520	1/1	16610
1101.DNEU.03	500	250	280x210x520	1/1	16830



*For soxhlet extraction apparatus,

Please see **Page no. 118**



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
- Also available with Metallic Stand 1601.EU

Model No. (230V, 50Hz)	Capacity (ml)	Watts	No. of Position of regulator	Price / Piece
2300.DNEU.01	100	660	3/3	Price on Request
2300.DNEU.02	250	660	3/3	Price on Request
2300.DNEU.03	500	810	3/3	Price on Request

Included Accessories

Item Code	Accessories	Price /Piece
2000.200.01	Vertical Rod Stainless Steel length 542 mm, Ø 9.8 mm	2800
2000.200.02	Horizontal Rod Stainless Steel length 972 mm, Ø 9.8 mm	2800
2000.200.03	5/8 Boss Head	1175
2000.200.04	3/6 Clamp	1450
1500.150.01	Magnetic Bar (20mm, Ø 8mm)	400



2300.DNEU

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
660-810W



TEMPERATURE
Upto 400 °C



HEAT/STIR SELECTION



STIR
750 RPM



MANTLE BODY
MILD STEEL

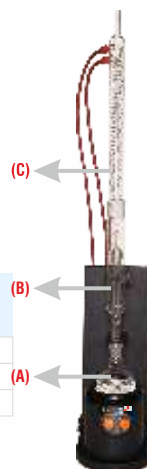


CAPACITY
Upto 500ml

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
1601.DNEU.01*	100	220	1/1	22220
1601.DNEU.02*	250	220	1/1	22550
1601.DNEU.03*	500	270	1/1	24090



*For soxhlet extraction apparatus,

Please see **Page no. 118**



OVERHEAD STIRRER WITH LCD DISPLAY

- Prominent used in chemical synthesis, pharmaceuticals, physical & chemical analysis, petrochemical, cosmetics, health products, foods, biotechnology & so on
- Large LCD display for RPM & Timer 99:59 (HH:MM)
- Effective stirring provides clock wise & anti clock wise stirring modes
- Brushless DC motor
- Audible alarm for error conditions

Auto power 'ON' possible

Model No.	V	Hz	Price/Piece
6050B.DNEU.01	100-240	50/60	Price on Request
6100B.DNEU.01	100-240	50/60	Price on Request

Technical Specification :

Model No.	6050B.DNEU	6100B.DNEU
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
Stirring Shaft Extension Feature	Yes	Yes
Stirring Modes	Yes	Yes
Motor Type	BLDC	BLDC
Operating Voltage	24VDC	24VDC
Supply Voltage	100 - 240Vac, 50/60Hz	100 - 240Vac, 50/60Hz
Power	130	130
Dimension	90x240x220mm	90x240x220mm
Net Weight	11.4kg	11.4kg
IP Class	54	54



6050B/6100B.DNEU



Optional Accessories

DNOH-J
Price-3350/-

Boss Head & Clamps

DNOH-K
Price-9500/-

SS Stands Rod



DNOH-A
Price-2852/-

DNOH-B
Price-3623/-

DNOH-C
Price-4899/-

DNOH-D
Price-3738/-



DNOH-F
Price-3082/-



DNOH-G
Price-5923/-



DNOH-H
Price-6038/-



DNOH-I
Price-2162/-



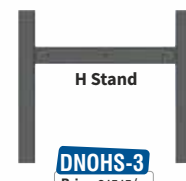
DNOHS-4
Price-9500/-



DNOHS-1
Price-11270/-



DNOHS-2
Price-22500/-



DNOHS-3
Price-21515/-

*Impellers, stands and boss head clamps, Rod to be ordered separately

OVERHEAD STIRRER ANALOG

- Prominent used in chemical synthesis, pharmaceuticals, physical & chemical analysis, petrochemical, cosmetics, health products, foods, biotechnology & so on
- SS & ABS constructions
- Easy Stir Controls
- User Friendly
- Brushless DC motor
- Liquid cannot reach internal components due to front safeguard

Model No.	V	Hz	Price/Piece
6025.DNEU.01	100-240	50/60	Price on Request

Technical Specification :

Model No.	6025.DNEU.01
Speed Range	0-3000RPM
Max. Torque	65N.cm
Max. Viscosity	6000 mPass
Max. Stirring	40L
Stirring Shaft Extension Feature	Yes
Motor Type	BLDC
Operating Voltage	24VDC
Supply Voltage	100 - 240Vac, 50/60Hz
Power	130
Dimension	90x240x220mm
Net Weight	11.2 kg
IP Class	54



6025.DNEU.01



***Accessories to be added separately**

Optional Accessories

DNOH-J
Price-3350/-
Boss Head & Clamps

DNOH-K
Price-9500/-
SS Stands Rod



DNOHS-4
Price-9500/-
Heavy Base Stand

DNOHS-2
Price-22500/-
Wide Base Adjustable Stand

DNOHS-3
Price-21515/-
H Stand



***Impellers, stands and boss head, clamps to be ordered separately**

OVERHEAD STIRRER DIGITAL

- Prominent used in chemical synthesis, pharmaceuticals, physical & chemical analysis, petrochemical, cosmetics, health products, foods, biotechnology & so on
- Independent LED display for RPM & Timer 99:59 (HH:MM)
- Effective stirring provides clock wise & anti clock wise stirring modes
- Auto power 'ON' possible
- User Friendly
- Brushless DC motor
- Liquid cannot reach internal components due to front safeguard
- Audible alarm for error conditions



6050/6100.DNEU

Model No.	V	Hz	Price/Piece
6050.DNEU.01	100-240	50/60	Price on Request
6100.DNEU.01	100-240	50/60	Price on Request

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, 50/60Hz	100 - 240Vac, 50/60Hz
Power	130	130
Dimension	90x240x220mm	90x240x220mm
Net Weight	11.2 kg	11.2 kg
IP Class	54	54



***Accessories to be added separately**

Optional Accessories

DNOH-J
Price-3350/-
Boss Head & Clamps

DNOH-K
Price-9500/-
SS Stands Rod

DNOHS-4
Price-9500/-

DNOH-A
Price-2852/-

DNOH-B
Price-3623/-

DNOH-C
Price-4899/-

DNOH-D
Price-3738/-

Heavy Base Stand
DNOHS-1
Price-11270/-

Wide Base Adjustable Stand
DNOHS-2
Price-22500/-

H Stand
DNOHS-3
Price-21515/-



***Impellers, stands and boss head, clamps to be ordered separately**

OVERHEAD STIRRER DIGITAL WITH WIFI LABS-CONNECT & TEMPERATURE DISPLAY

- 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
- Independent LED display for RPM & Timer 99:59 (HH:MM)
- Effective stirring provides clock wise & anti clock wise stirring modes
- Auto power 'ON' possible
- Brushless DC motor
- Liquid cannot reach internal components due to front safeguard
- Audible alarm for error conditions



Model No.	V	Hz	Price/Piece*
6050T.DNEU.01	100-240	50/60	Price on Request
6100T.DNEU.01	100-240	50/60	Price on Request

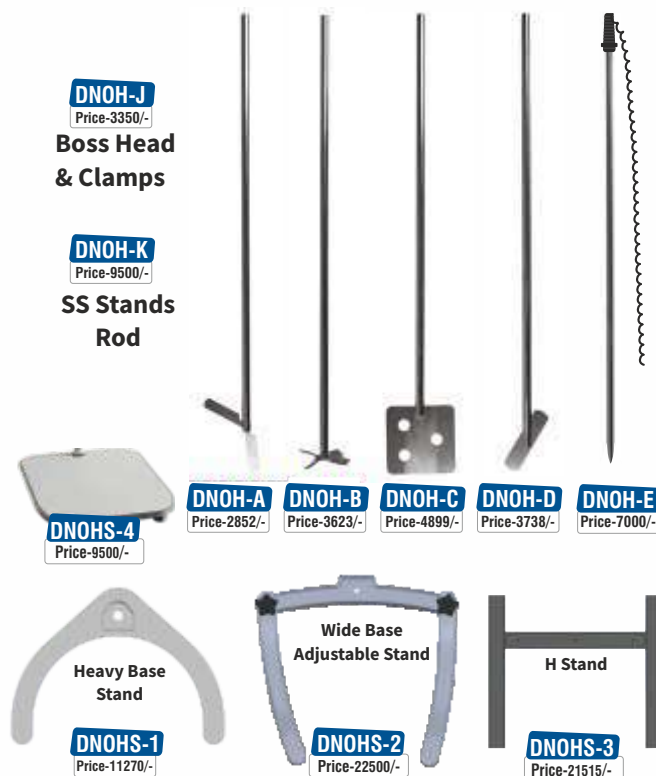
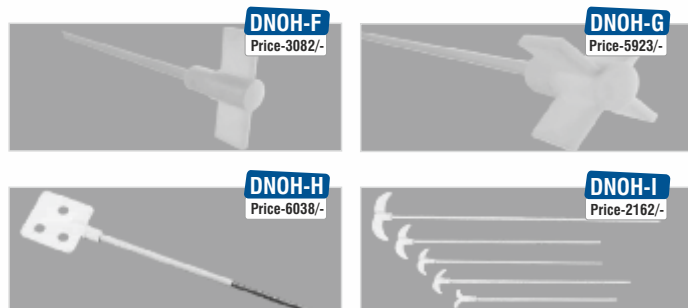
Technical Specification :

Model No.	6050T.DNEU	6100T.DNEU
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	Yes	Yes
Temperatue Measurement	Yes	Yes
Stirring Shaft Extension Feature	Yes	Yes
Stirring Modes	Yes	Yes
Motor Type	BLDC	BLDC
Operating Voltage	24VDC	24VDC
Supply Voltage	100 - 240Vac, 50/60Hz	100 - 240Vac, 50/60Hz
Power	130	130
Dimension	90x240x220mm	90x240x220mm
Net Weight	11.4kg	11.4kg
IP Class	54	54

6050T/6100T.DNEU



Optional Accessories



*Impellers, stands, PT 1000 Sensor and boss head clamps, Rod to be ordered saparetlly

ORBITAL SHAKER

- Application in molecular biology, immunology, chemistry lab
- Compact design
- Compatible for use with various capacity conical flasks and different sample containers.
- Silent and stable operation
- Digital set up of RPM and time with independent LED display
- Maximum stirring speed upto 300RPM
- Built in DC brushless motor
- Microprocessor controlled
- User-Friendly
- Low consumption
- Audible alarm at time cycle end for safety and ease of unsupervised operation
- Available with Flat platform (Cat. No. 3500.303.01)



3500.DNEU.01

Model No.	V	Hz	Price/Piece
3500.DNEU.01	100-240 V	50/60	Price on Request

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

Included :
Platform, Flat, Non-Slip Mat



3500.303.01



STIR
300 RPM



TIMER
00:01-99:59



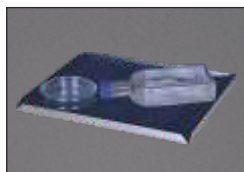
LOAD CAPACITY
2.0 Kgs



STIR/TIME
DISPLAY

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



INCUBATOR SHAKER WITH COOLING

- Application in molecular biology, immunology, chemistry lab
- PU coated outer body made of mild steel
- Compact design
- SS 304 Internal
- Universal Platform
- Compatible for use with various capacity conical flasks and different sample containers
- BLDC motor driven
- Microprocessor controlled
- 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
- Powerful efficient 800W Heater
- Built in UV based Sterilization
- Built in focus light



3900.DNEU.01

Model No.	V	Hz	Price/Piece
3900.DNEU.01	230 V	50	Price on Request

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
Ambient	: <26°C



STIR
300 RPM



TIMER
00:01-99:59



TEMPERATURE
Upto 60°C



**CELSIUS TO
FAHRENHEIT**



**HEAT/STIR/TIME
BUTTON**



**HEAT/STIR/TIME
DISPLAY**

Optional Accessories:

Item Code	Description	Price /Piece
3900.00.01	Flat Platform with Heater	Price on Request
3900.00.02	Flasks Adapters 50ml to 200ml	Price on Request



INCUBATOR SHAKER

(WITH BUILT IN COOLING & WIFI BASED LABS-CONNECT™)

- Application in molecular biology, immunology, chemistry lab
- Can be operated with **Labs-connect App** over Wifi/USB Controls
- PU coated outer body made of mild steel
- SS 304 Internal
- Available with Universal platform
- Compatible for use with various capacity conical flasks and different sample containers
- Compact design
- BLDC motor driven
- Microprocessor controlled
- User-Friendly
- 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
- Powerful efficient 800W Heater
- Built in UV based Sterlization
- Built in focus light



3900.DNWEU.01



STIR
300 RPM



TIMER
00:01-99:59



TEMPERATURE
Upto 60°C



CELSIUS TO FAHRENHEIT



HEAT/STIR/TIME BUTTON



HEAT/STIR/TIME DISPLAY

Model No.	V	Hz	Price/Piece
3900.DNWEU.01	230 V	50	Price on Request

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	: ± 0.3°C
IP Class	: 30
Can Handle	: upto 20Kg
Ambient	: <26°C

Optional Accessories:

Item Code	Description	Price /Piece
3900.00.01	Flat Platform with Heater	Price on Request
3900.00.02	Flasks Adapters 50ml to 200ml	Price on Request



Instruments

DIGITAL MINI SHAKER PRO/VORTEXER

Compact, universal small shaker suitable for shaking tasks with all small vessels with adapters and microtiter plates

- Sturdy Aluminum die cast casing
- 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 & countdown functions make it versatile
- Stable in all speed ranges
- Continuous or touch/shot operation (with standard attachment)
- Audible timer by pass mode for uninterrupted non stop use



3800.DNEU.01

Model No.	V	Hz	Price/Piece
3800.DNEU.01	100-240 V	50/60	Price on Request

Technical Specification :

Type of movement	Orbital
Orbit/Shaking Stroke	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.

***Attachment, Accessories to be ordered separately**

Optional Foam Adapters



Optional Accessories



VORTEX SHAKER HD

NEW

**SUITABLE FOR SHORT-TIME VORTEX
(TOUCH FUNCTION & CONTINUOUS SHAKE FUNCTION)**

- Sturdy metal die cast casing
- Short-time operation activated by pressing attachment/top
- Wide speed range, variable
- Suitable for continuous operation also with low self heating thanks to self ventilation of motor
- Different applications (3 interchangeable attachment and 7 inserts (e.g. tubes, microtiter plate, conical flasks 250 ml etc.), please order separately)
- Attachments securely click onto appliance in any position
- Special strap (ensure easy handling of round/conical flasks)
- Stable at high speeds thanks to special feet (silicon base with ultra high vibration damping)



3750.DNEU.01

Model No.	V	Hz	Price/Piece
3750.DNEU.01	230	50	Price on Request

Technical Specification :

Type of movement	orbital
Shaking stroke/Orbit	4 mm
Permissible shaking weight(incl. attachment)	0.4 kg
Motor rating input	58 W
Motor rating output	10 W
Permissible ON time	100%
Speed min (adjustable)	500 rpm
Speed range	0 - 2500 rpm
Speed display	none
Operating mode	continous operation
Touch function	yes
Working with microtiter plates	yes
Number of microtiter plates	1
Dimensions (W x H x D)	146 x 144 x 157 mm
Weight	4 kg Approx
Permissible ambient temperature	5 - 40 °C
Permissible relative Humidity	80%
Protection class according to DIN EN 60529	IP 21
Power input	60 W

Optional Accessories/Foam Adapters



***Attachment accessories to be ordered seperatly**

VORTEXER MINI

- Various speed adjustment with indicator light
- Smart and Portable
- 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.
- Supports maximum diameter of the tube up to 30mm.
- Suitable for mixing tubes /centrifugal tubes with prominent mixing effect/Vortexing



3700.DNEU.01

Model No.	V	Hz	Price/Piece
3700.DNEU.01	100-240 V	50/60	10400

Technical Specification :

Body Material	Main Frame : ABS, Caps : Silicone Rubber, Base : Steel Alloy
Speed Range	0~4000 RPM (Variable)
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

- Patented high tech motor causes low working noise
- Produce low vibration with advanced shock absorber
- 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.



5000.DNEU.01

Model No.	V	Hz	Price/Piece
5000.DNEU.01	230 V	50	17000

Technical Specification :

Body Material	Main Frame : ABS, Cover : PC, Adapter : PP, Absorber : NBR, Roller : ABS
Speed Range	4000 & 7200 RPM (±20%)
RCF	810~3260xg
Rotor types	Rotor, 2ml x 8 and 0.2ml x 8, 0.2ml x 8 tubes strip x 2 rows
Max. Capacity	2ml x 8
Dimension (WxDxH)	174x157x130mm
Speed Control type	Constant speed
Driving Speed	Direct drive
Brake System	Dynamic
Acceleration Time	90% speed in 5 seconds
Deceleration Time	Cover closed within 15 seconds, cover opens within 6 seconds
IP Class	54



Included Accessories

Rotor Selection :	5000.303.01	2ml x 8, 0.5ml, 0.2ml adapter each 8 pcs
	5000.303.02	2ml x 8, 8 x 0.2ml tubes strip x 2 rows



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



Model No.	V	Hz	Price/Piece
4000.DNEU.01	100-240 V	50/60	Price on Request

4000.DNEU.01

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 (DIGITAL) SOXHLET/TWISSELMAN APPARATUS

- 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.	V	Hz	Price/Piece
1950.DNEU.01	230 V	50	Price on request

Technical Specification :

Voltage	: 230 VAC
Frequency	: 50 Hz
Power consumption	~1500 W
Power consumption	7 A
Weight (without glass)	approx. 15 kg
Position	4
MOC Adapters	Aluminum Alloy
Flask Capacity	250ml
Extraction Capacity	500ml
Condenser	100ml
Plate/Adaptor Temp.	upto 400°C
Dimensions in cm (W x D x H) (without glass)	504x274x765 mm
IP Class	20



1950.DNEU.01



POWER
1500 W



WEIGHT
15 Kgs

***For Glass accessories has to be order separately**



FAT DETERMINATION APPARATUS SOXHLET/TWISSELMAN APPARATUS

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
- Material of construction of adaptors is SS 304 Grade

Model No.	V	Hz	Price/Piece
1900.DNEU.01	230 V	50	Price on request

Technical Specification :

Voltage	: 230 VAC
Frequency	: 50 Hz
Power consumption	~1500 W
Power consumption	7 A
Weight (without glass)	approx. 15 kg
Position	4
MOC Adapters	Aluminum Alloy
Flask Capacity	250ml
Extraction Capacity	500ml
Condenser	100ml
Plate/Adaptor Temp.	upto 400°C
Dimensions in cm (W x D x H) (without glass)	504x274x765 mm
IP Class	20



1900.DNEU.01



POWER
1500 W



WEIGHT
15 Kgs

*For Glass accessories has to be order separately



THERMOSTATIC WATER BATH

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

POSITIONS :

6 & 12 Position

1800.DNEU.01

Model No.	Volt	Hz	Positions	Price/Piece
1800.DNEU.01	230/115	50/60	6	Price on Request
1800.DNEU.02	230/115	50/60	12	Price on Request

Technical Specification :

6 Position		12 Position	
Power	1500 W	Power	3000 W
No. of Opening	6	No. of Opening	12
Volume Capacity	12 Ltrs	Volume Capacity	24 Ltrs
Temperature-control range	RT-99.9°C	Temperature-control range	RT 99.9°C
Temperature-fluctuation	±0.5°C	Temperature-fluctuation	±2°C
Dimension	120 (D) x 110 (H)	Dimension	120 (D) x 90 (H)
Working Room (cm)	50x30x15	Working Room (cm)	92x32x12
Weight	8.9 Kgs	Weight	21 Kgs
IP Class	34	IP Class	34


POWER
1500 W


TEMPERATURE
Upto 99.9 °C


POWER
3000 W


TEMPERATURE
Upto 99.9 °C



Water Bath Cum Water Bath Shaker (touch Screen Version)

Safety Features

- Water bath and shaker in a single system.
- Selection of mode in the touch screen
- Absolutely noiseless operation.
- Programmable system
- Removable tray
- Flexible Polypropylene Rubber Clamps reinforced with inner metallic cup for sturdy & rugged use for intact grip to perfectly hold the flask



1800.DNEU.03

Model No.	Price/Pack
1800.DNEU.03	Price on Request

Technical Specification :

Operation	Water bath or water bath shaker
Material of construction	MS with powder coated finish
Type of motion	Reciprocal motion
SPM range	50 to 150 Strokes per minute
Movement	Linear link guided drive mechanism
Movement sensor	IR scan sensor
Motor	Stepper servo motor (Brushless)
Drive	Servo drive
Process controller	4.3" TFT touch screen controller
Display	Feather touch membrane key pad with touch controller (Power, Heater)
Temperature controller	PID controller
Temperature range	5 Degree above ambient to 100 Degree
Temperature accuracy	+/- 0.5Degree
Temperature sensor	Pt 100
No of program	1 program, 5 steps for both shaker and water bath
Programmable	For Strokes Per Minute, Temperature and Time
Heater	Immersion Heater
Heater power	1500 W
Water tank	Stainless steel
Tank capacity	15 lit
Tray	Stainless steel, Removable
Tray capacity	250ml clamp-9 nos
Hood or cover	Stainless steel
Internal Recirculation pump for Temperature stability	Magnetic pump
External recirculation pump	(optional) magnetic pump
Electrical requirement	230V/50Hz/6A
Unit dimension	25 x 25 x15inches

THERMOSTATIC OIL BATH

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.	V	Hz	Price/Piece
1850.DNEU.01	230	50	Price on Request

Technical Specification :

Heating Power	1000W
Temperature control range	RT~300°C
Volume Capacity	7 Ltrs
Temperature fluctuation	± 0.5 Celsius
Working size(mm ³)	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 INSTANT 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	Price/Pack
GLINPK	3	Price on Request

Technical Specification :

Range	: 0-1999 mg/Kg(mg/l)
Resolution	: 1mg/kg(mg/l)
Accuracy	: ± 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	: 50.5 x 250 mm
Probe length	: 140mm
Features	: Auto switch off in about 5 minutes
Weight	: 390 Gms (Approx)
IP Class	: 64

DIGITAL SOIL EC TESTER

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, mixed 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	Price/Pack
GLIEC	1	Price on Request

Technical Specification :

Range	: 0-1999 EC(mS/cm);
Resolution	: 0.10 EC(mS/cm)
Accuracy	: ± 0.1 EC (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	: $\text{AE}50.5 \times 250$ 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 pH TESTER

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	Price/Pack
GLIPH	1	Price on Request

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

NITROGEN ANALYSER

NEW

Three in One Combo Automatic 6 Place Digestion With Distillation & Scrubber With Common Touch Screen Control & Display

- The control panel unit along with inbuilt temperature controller, timer, mother board and SMPS is be isolated in separate control tower and housing to protect electronics from wet chemistry & acid/ alkali process area for longevity and safety of all electronic components.
- Water in the scrubber tank is drained and filled automatically every time at the end of digestion thereby draining the water for every consecutive cycle.
- Manual drain of water from the scrubber tank is also provided.
- A separate distilled water line to the steam generator.
- Auto refilling of distilled water to the steam generator is provided by using a proximity sensor.
- Monitoring of boiler water level from outside.
- Users choice to choose independent or combined operation of digestion and distillation.
- Inbuilt safety from Over voltage



Model No.	Price/Pack
DN.NA.01	Price on Request

DN.NA.01

ULTRASONIC CLEANER PRO SERIES

NEW



Technical Specification :

MODEL	DN 140UC	DN 200UC (L)	DN 250UC	DN 300UC	DN 500UC
Tank Size (Inches) (L*W*H)	21 x 7 x 6	24 x 9 x 6	16 x 16 x 6	15 x 15 x 8	22 x 14 x 10
Outer Size (Inches) (L*W*H)	23 x 10 x 15.4	26 x 12 x 15.4	18 x 19 x 15.8	19.2x19.8 x19	28 x 17.5 x 19
Tank	SS 304	SS 304	SS 304	SS 304	SS 304
Enclosure	SS 304	SS 304	SS 304	SS 304	SS 304
Tank Capacity	14 Ltr	20 Ltr	25 Ltr	30 Ltr	50 Ltr
Ultrasonic Power	300 Watts.	400 Watts.	450 Watts.	500 Watts.	750 Watts.
Heater Power	500 Watts.	500 Watts.	500 Watts.	500 Watts.	500 Watts.
PSP	Yes	Yes	Yes	Yes	Yes
Ultrasonic Freq. Khz.	25/33/40±3	25/33/40±3	25/33/40±3	25/33/40±3	25/33/40±3
Timer Digital	0 to 99 Min.	0 to 99 Min.	0 to 99 Min.	0 to 99 Min.	0 to 99 Min.
Power Input	230 VAC.	230 VAC.	230 VAC.	230 VAC.	230 VAC.
Degas Mode	On / Off	On / Off	On / Off	On / Off	On / Off
Temperature	Amb.° - 60c	Amb. - 60°C	Amb. - 60°C	Amb. - 60°C	Amb. - 60°C
Transducer	Imported make PZT type bonded at the bottom of the tank with weld bond technique.				
Ultrasonic Gen.	Advance latest MOSFET / IGBT based smps.				
Accessories	Lid, Basket, Drain Valve, Powercord, User Friendly Operation Manual.				

AUTOMATIC SOLVENT EXTRACTION SYSTEM

Safety Features

- Standalone housing for Temperature controller to protect electronics from solvent area & heat zone.
- PC chart software performs Live graphical representation of time / temperature gradient on PC Connectivity
- Auto Alarm for recovery phase
- Auto power off mode on completion of extraction.
- Independent loading of sample with individual mechanical controls.
- Inbuilt safety features like auto error indication, auto over temperature protection and auto sensor break protection.
- Cold water line for condensation of solvent with silicon hose inter connection for condensor

Model No.	Price/Pack
DAN.6T.02	Price on Request



DAN.6T.02

Technical Specification :

MODEL	DAN -6T-02
Description	Automatic PC Compatible Autosequencing Regular Six Place Solvent Extraction System
No. of Positions	Six Samples
Sample Size	0.1 to 8 gms (depending on the type of sample)
Temperature Control Range	35°C (Ambient) to 300°C
Digital Timer	Range : 0-99.59 hrs (Settable in hrs, min and seconds), Digital display of set time and actual time (1-5999 minutes) , Modes of operation: heater cut off mode & alarm mode
Temperature Accuracy / Precision	± 0.5° C
Ramp & Hold	Integrated Auto Sequencing programs with 12 desirable sequence ramp / steps of time and temp. domain for each programme.
Presets	Selectable Programs(Customizable): Integrated Auto Sequencing Features with 30 intelligent memory programs
Heater Source	Casted Aluminium Alloy Heaters
PID Control	Fuzzy logic Microprocessor based PID Controller with Auto tuning facility.
Temperature Setting	Feather touch membrane keys
PC & Printer Connectivity	Direct USB port for PC/Laptop connectivity Intelligent Software for PC compatibility for 2 way Bidirectional communication
Display	Bright Digital two line Alphanumeric LCD Digital Display of time and temperature
Extraction Thimbles	* Thick Nitrocellulose thimble (f25mm X 80mm) - 1 Box of 25 Nos. * Highly versatile to accommodate 2 sizes of Thimbles. Optional Macro Thimbles of size (33 mm dia x 80mm L) compatible in the system.
Power Consumption	2000 Watts.

WATER DISTILLATION WITH CHILLER

Safety Features

- Auto cut off of heater, when the water supply to the condenser is unavailable.
- Auto cut off of power to the Heater and condenser valve, on collection of sufficient distilled water in the tank.
- Water level monitoring window.
- Over voltage Circuit breaker protection.
- Complete shutdown of system on achieving the set water level in the distilled water container.
- Auto switching ON of the system when the water level is below the set level.
- Easy and safe dismantling of steam generator and water condenser for cleaning and removing of scale formation.
- Space saving, compact and user friendly.



Model No.	Capacity/Hr	Price/Pack
GLWS.DAN.05	1.5 Ltr/hr	Price on Request

Technical Specification :

Steam Generator Dual	High grade SS Steam Generator
Water condenser Dual	High grade SS Water condenser
Housing material of construction	MS with powder coated finish
Water level monitoring & control	Photo electric sensor
Rate of Distillation	1.5 lit/Hour double distillation
Heater	Dual Immersion Heater
Heater wattage	2500 W each
Distilled water collection tank	Dual PVC Collection tank
Distilled water tank capacity	5 lit
Membrane key pad with indications	4.3" Touch with membrane keyboard
Electrical Requirement	230V/50 Hz/single phase

ALL GLASS WATER DISTILLATION (AUTOMATIC)

This has been designed for better and accurate control of the distillation unit. It has been incorporated with advanced microcontroller based electronic circuitry, which gives an easy user machine interaction.

The alpha numeric LCD which has been used shows all messages that correspond to the running of the machine.

- Environment friendly & suitability
- One Touch Use, Fully Automatic, Intelligent, dual stage all glass type
- Fully automatic control save energy & money– By setting the required output volume in liters. After completion of the process heater is turned off and the cooling water inlet is closed automatically.
- Boiler empty detection intelligence built in– when the water level inside the boiler drops below the heater, boiler empty condition is detected.
- Gate Valve to onside - Conserves cooling water wastage in case of power failure
- Flow switch - In built safety feature for the equipment unit shut off in case of cooling water failure. When the inlet water flow to the unit is low, this error is displayed with buzzer indication. The process is paused until the inlet flow is resumed.
- Easy to read Alpha numeric LCD and keypad for all settings and messages that correspond to the running of the machine.
- Auto cleaning detection
- Probe error detection
- Soft Calibration of output volume to compensate seasonal temperature and flow rate changes
- Manual overriding flow sensor and Gate (solenoid) valve
- Serviceability Replaceable Silica sheathed (Quartz) Heater
- Safety of user & instrument against wattage/power variation



Model No.	Capacity/Hr	Price/Pack
DN.WD.01	2 Ltr/hr	Price on Request
DN.WD.02	4 Ltr/hr	Price on Request

Technical Specification :

Output Cap. (approx.)	2 ltrs/hr	4 ltrs/hr
Stage	Double Stage	Double Stage
Cooling water requirement (approx.)	2 ltr/min	2-4 ltr/min
Conductivity uS/cm	0.8-1.0	0.8-1.0
Power Rating (Total)	3.0KW	6.0KW
AC Voltage	220-240VAC	220-240VAC
AC Frequency	50-60Hz	50-60Hz

Automatic Fibre Estimation System

– (6 Place) Auto-Sequencing

- Designed to protect electronics from acid / alkali wet area & heat zone
- Independent loading of sample with individual mechanical controls
- Auto acoustic alarm on completion of process
- Auto power off mode on completion of process
- Inbuilt safety features like auto error indication, auto over temperature protection and auto sensor break protection
- PC chart software performs Live graphical representation of time / temperature gradient on PC Connectivity

Model No.	Price/Pack
DN.AFES.6P	Price on Request



Technical Specification :

DN.AFES.6P

Description	Automatic Six Place PC Compatible Autosequencing Regular Version Fibre Estimation System
Display	Bright Digital two line Alphanumeric LCD Digital Display of time and temp.
No. of Positions	Six Samples
Sample Size	0.1 to 4 gms (depending on the type of sample)
Temperature Control Range	RT- 500° C (Continuously variable)
Digital Timer	0-99.59 hrs (Settable in hrs, min and seconds), Digital display of set time and actual time (1-5999 minutes) , Modes of operation: heater cut off mode & alarm mode
Temperature Accuracy / Precision	± 0.5° C
Ramp & Hold	Integrated Auto Sequencing programs with 12 desirable sequence ramp / steps of time and temp. domain for each programme
Presets	Selectable Programs(Customizable): Integrated Auto Sequencing Features with 30 intelligent memory programs
Heater Source	Ceramic Infrared Heater
PID Control	Fuzzy logic Microprocessor based PID Controller with Auto tuning facility
Temperature Setting	Feather touch membrane keys
Crucibles	Sintered Silica glass Crucible with P1 Porosity disc (6 Nos.)
Extractor	Marked borosilicate extraction vessel
Preheating Hotplate	Fibra Flow System with self priming pump connected to water suction filter pump.
Power Consumption	2500 Watts.
PC & Printer Connectivity	Direct USB port for PC/Laptop connectivity Intelligent Software for PC compatibility for 2 way Bidirectional communication

COD Digestion System

Safety Features

- Stainless steel insert rack to handle.
- COD Digestion tubes.
- MS rack to keep Air condensers.
- MS rack with hole to place insert rack with tubes for adding reagents in water.
- Stainless steel water tank.



Model No.	Price/Pack
DAN.N15CT.01	Price on Request

DAN.N15CT.01

Technical Specification :

Model	DAN.N15CT.01 (TOUCH SCREEN CONTROLLER)
No of samples	15
Tube dimension	36 x 200 mm
Tube capacity	150ml
Tube material	Glass with ground joint
Reflux condenser	Air condenser with ground joint
Reflux condenser dimension	640mm
Heating block	Extruded Aluminium block
Well depth	90mm
Material of construction of housing	MS with powder coated finish
Heater	Casted Aluminium alloy Heater
Heater wattage	2000 W
Temperature controller	PID controller
Process controller	4.3" TFT with touch screen
Temperature range	50 degree to 300 degree
Temperature accuracy	+/- 1%
Temperature sensor	K type thermocouple
Block insulation	Ceramic wool
No of Programs	5 program
No of steps	5 steps
Type of program	Time and Temperature
Feature touch membrane key pad	Power and Heater
Over voltage protection	By circuit breaker
Electrical requirement	230V/50Hz/10A
Unit dimension	56 x 14 x 36 Inches (L x B x H)

Hot Air Oven Cum Incubator

- Dual operation of Incubator and Hotair oven in same unit.
- Forced air circulation by convection
- Shelf Height adjustable to 7 heights
- Round folding at the four corners for easy cleaning.
- Glass window for viewing
- Automatic cut off of Heater and blower when the door is opened.
- Additional port for cross checking the temperature of the chamber.
- Over voltage circuit breaker.

NEW



3900.DNEU.03

Model No.	Price/Pack
3900.DNEU.03	Price on Request

Technical Specification :

Material of construction	Outer MS with powder coated finish and Inner stainless steel
Capacity	91 lit
Dual Mode Operation (2 in 1)	Hot air Oven Mode or Incubator Mode
Inner dimension	450 x 450 x 450 mm
Outer dimension	560 x 610 x 680mm
Process controller	4.3" TFT Touch screen controller
Display	Feather touch membrane key pad with touch screen. (Power, Oven, Incubator, heater)
Temperature controller	HMI
Temperature Range	5 degree above ambient to 200 degree
Temperature accuracy	At 120Degree-+/- 1%, At 37 Degree- +/- 0.1 Degree
Temperature sensor	PT 100
Number of program	5
Number of steps	5
Programmable for	Temperature and time
Heater	Strip Heater
Heater wattage	Oven-1625 W and Incubator-325 W
No of Trays	2
Chamber insulation	Ceramic wool
Over temperature protection	Using thermostat
Electrical requirement	230v/50Hz/10A

B.O.D Incubator

NEW

- Temperature Uniformity- $\pm 1^{\circ}\text{C}$
- Temperature sensor- PT-100
- Temperature Controller
- PID temperature controller
- LED display of SV & PV
- Construction- Double walled with PUF Insulation
- Inner Construction- Stainless Steel 304 grade
- Exterior Construction- Powder Coated GI sheet
- Exterior Door- Solid door with lock & key
- Inner door- Glass door to view samples
- Trays- Stainless steel perforated trays
- Interior illumination- LED Light
- Heating Element- U-shaped SS tubular heaters
- Refrigeration System- CFC Free Compressor
- Air Circulation- Motorized Blower / Axial fan
- Safety- Temperature High / Low alarm
- Door open buzzer
- Caster wheels with brake
- With Test Certificate"



4200.DNEU.04

Model No.	Price/Pack
4200.DNEU.04	Price on Request

Technical Specification :

Temperature Range	5°C to 60°C
Temperature Accuracy	$\pm 0.5^{\circ}\text{C}$
Dimensions	600x600x600 mm
volume	260 ltr.
No. of tray	2
Power supply	220 Volts 50 Hz

*Other sizes available on request

Laminar Air Flow

Horizontal

NEW

Safety Features

- Microprocessor LCD Controller
- Digital display for air flow rate
- Transparent Front Door
- Gauges Pressure (Statics Pressure Mano-Mater)
- Magnahelic Gauge (for filter pressure)
- U. V. Germicidal Tube in work area
- Electronic Filter choke alarm
- Spare HEPA Filters
- Auto switch on/off for U.V. Germicidal tube & fluorescent light
- Hour Meter for UV light with Test Certificate



Model No.	Price/Pack
4150.DNEU.04	Price on Request

4150.DNEU.04

Technical Specification :

Size:	4'x2'x2'
Size of Hepa:	4'x2'x6:-'
No. of Hepa:	1 Nos
Cleaness :	Class 100
Velocity:	90 FPM +/-20
Hepa Filter:	99.99% For particles >0.3 µm
Prefilter:	85 %efficiency for particles >0.5 µm (Washable)
Particle Count:	Better than US Fed Std 209B Class10 and VDI 2083 Class 3
Cabinet :	Laminated High Quality Wooden Board /PCRC Sheet Powder Coated/ Stainless Steel SS 304(optional 316 grade)
Work Table :	304 Stainless Steel (optional 316 grade)
Airflow Speed:-	Control Speed Controller (Three Step Speed Controller)
Blower :-	High efficient centrifugal type with lifetime light
Light:-	High intensity, low wattage >800 luxlubricated bearings
Noise Level:-	<55 dBA
Standard Accessories:-	Air/gas cock and mains power socket (16A)
Power Supply :-	220-230 V,50 Hz.

*Other sizes available on request

Hot Air Oven

NEW

- Low cost, Fully Equipped
- Sturdy construction of PCGI (Powder coated Galvanized Steel).
- Damper controlled gravity air circulation
- Made from Stainless Steel (SS-304 grade)
- Primary hydraulic control thermostat sets desired oven temperature. Red pilot light indicates heater operation.
- Heat is transferred from the bottom up through the oven chamber by natural convection and exits through vent in the oven sides. Fresh air inlet damper at the oven bottom provides control of the amount of fresh air entering the oven.
- Synthetic door gasket made of neoprene on the double walled door.
- User oriented design of shelves makes you adjust each space of shelves without difficulty.
- Heating elements are placed at bottom.
- Space between inner chamber and outer wall is filled with high grade mineral wool for minimal heat dissipation.
- Door fitted with heavy duty hinges and door handle ensuring there are no leakages through the door gasket.
- To work on 220/230V AV, 50/60 Hz supply.



4100.DNEU.02

Model No.	Price/Pack
4100.DNEU.02	Price on Request

Technical Specification :

No of Shelves	2
Volume Capacity	95 lit
Dimension	18 x 18 x 18 inch
Temperature Range	50°C to 250°C
MOC (Outer)	Powder Coated Electro Galvanized Steel Sheet
MOC (Inner)	Galvanized Steel Sheet OR Stainless Steel Sheet
(Option)	
Temp. controller	Hydraulic type capillary thermostat
Temp. Accuracy	±1°C
Temp. Display	Thru prismatic thermometer
Power Supply	220/230V AC, 50/60Hz

*Other sizes available on request

Autoclave Portable

20 Litre

Safety Features

- Stainless steel (304) grade & seam less Body,
- With spring loaded safety valve with Pressure adjustment,
- Dead weight safety valve, steam release valve
- Pressure gauge 63mm dia
- 8 knobs inner chamber & tripod stand.
- Electrical works on 220/230 volt AC with 2 KW chord & 15 Amp Plug-top.
- Size dia (300x300mm)(20Ltr) with Test Certificate

NEW



1700.DNEU.00

Model No.	Price/Pack
1700.DNEU.00	Price on Request

Also Available

Autoclave Vertical

50 Litre

Safety Features

- Outer chamber and lid made of Stainless steel.
- Double walled with boiler & steam jacket.
- Gap is filled high grade glass wool.
- Neoprene rubber gasket by wing nut.
- Hinged bolts on rim of the cover.
- Provided with wing nut, dial pressure gauge,
- Air/Steam Cock.
- Water level indicator.
- Sprint loaded safety valve.
- Adjustable from 10 to 20 psi.
- Drain cock & double safety valve along with inlet.
- Inner dimensions (350x550mm), dimensions of basket 325x400mm.
- Capacity 50 Ltr.
- Heater load 3.0 KW. with Test Certificate.

NEW



1700.DNEU.02

Model No.	Price/Pack
1700.DNEU.02	Price on Request

*Other sizes available on request

Socket, Unprinted

Item Code	Socket Size	Approx. O.D. of tube (mm)	Total Length (mm)	Pack of	Price / Piece
001.202.02	10/19	13	120±10	10	115
001.202.03	12/21	16	120±10	10	125
001.202.04	14/23	18	120±10	10	130
001.202.05	19/26	22	125±10	10	145
001.202.06	24/29	28	135±10	10	145
001.202.07	29/32	32	135±10	10	255
001.202.08	34/35	38	150±10	10	335
001.202.09*	40/38	45	150±10	10	465
001.202.10	45/40	50	150±10	10	580
001.202.11*	50/42	55	150±10	10	715
001.202.12*	55/44	60	150±10	10	1005

* Non DIN

Cone, Unprinted

Item Code	Socket Size	Approx. O.D. of tube (mm)	Total Length (mm)	Pack of	Price / Piece
002.202.02	10/19	8	120±10	10	115
002.202.03	12/21	9	120±10	10	125
002.202.04	14/23	13	120±10	10	130
002.202.05	19/26	16	125±10	10	145
002.202.06	24/29	22	135±10	10	170
002.202.07	29/32	26	135±10	10	255
002.202.08	34/35	30	150±10	10	335
002.202.09*	40/38	36	150±10	10	465
002.202.10	45/40	40	150±10	10	580
002.202.11*	50/42	45	150±10	10	715
002.202.12*	55/44	50	150±10	10	1005

* Non DIN

Cone, with drip tip, Unprinted

Item Code	Socket Size	Approx. O.D. of tube (mm)	Total Length (mm)	Pack of	Price / Piece
003.202.03	12/21	9	120±10	10	130
003.202.04	14/23	13	120±10	10	135
003.202.05	19/26	16	120±10	10	150
003.202.06	24/29	22	150±10	10	175
003.202.07	29/32	26	150±10	10	260
003.202.08	34/35	30	150±10	10	345
003.202.09*	40/38	36	150±10	10	475
003.202.10	45/40	40	150±10	10	600
003.202.11*	50/42	45	150±10	10	730
003.202.12*	55/44	50	150±10	10	1020

* Non DIN





Socket, Double

- Complies with DIN 12249

Item Code	Socket Size	Approx. O.D. of tube (mm)	Total Length (mm)	Pack of	Price / Piece
006.202.02*	10/19	14	135±2	10	170
006.202.03	14/23	18	135±2	10	180
006.202.04	19/26	22	140±2	10	225
006.202.05	24/29	28	170±5	10	275
006.202.06	29/32	32	170±5	10	380
006.202.07	34/35	38	180±5	10	475

* Non DIN



Keck Clips for Joints

- Outstanding chemical resistant.
- Autoclavable with maximum temp of 135°C.

Item Code	N/S	Colour	Pack of	Price /Piece
007.204.03	14/23	Yellow	100	70
007.204.04	19/26	Blue	100	70
007.204.05	24/29	Green	100	75
007.204.06	29/32	Red	100	75

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	Price / Piece
008.202.02	S13	5	100	10	315
008.202.03	S19	9	100	10	355
008.202.04	S29	15	100	10	475
008.202.05	S35	19	100	10	635
008.202.06	S41	27	100	10	1105



Spherical Joint, Cup

- Complies with DIN 12264

Item Code	Cup Joint (Male)	Code Approx. Bore	Minimum Shank Length (mm)	Pack of	Price / Piece
009.202.02	S13	5	100	10	315
009.202.03	S19	9	100	10	355
009.202.04	S29	15	100	10	475
009.202.05	S35	19	100	10	635
009.202.06	S41	27	100	10	1105



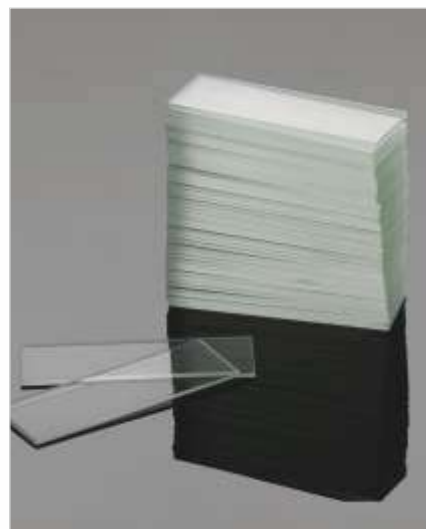
Gloves, Laboratory

- Made of Nitrile



Item Code	Size (mm)	Pack of	Price /Pack
505.303.07	Small	50 Pairs	970
505.303.08	Medium	50 Pairs	970
505.303.09	Large	50 Pairs	970

Microscopic Slides

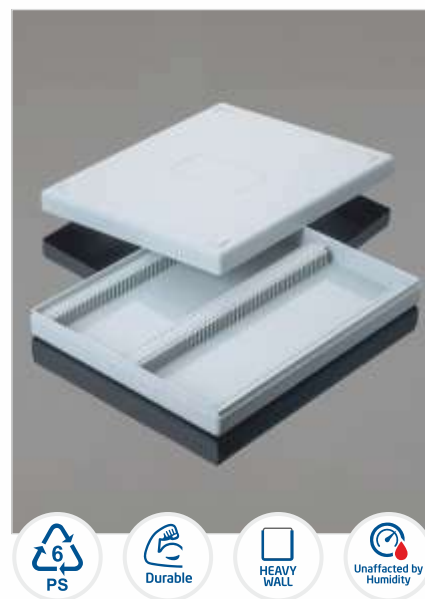


Item Code	Size (mm)	Pack of	Price /Pack
565.303.01	Ground edges, Plain 76x26	50	120
565.303.02	Ground edges, Double sides frosted 76x26	50	195

Box, Slide

- Made of Polystyrene
- Are 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	Price /Pack
129.303.01	25 Slides	12	1145
129.303.02	50 Slides	12	1955
129.303.03	100 Slides	6	1955



Cover Glass

- Comes in 0.13 - 0.17 mm Thickness

Item Code	Size (mm)	Pack/Pieces	Price /Pack
566.303.01	18 x 18	50	85
566.303.02	20 x 20	50	85
566.303.03	22 x 22	50	85
566.303.04	24 x 24	50	165
566.303.05	22 x 32	50	245
566.303.06	24 x 50	50	305



Soft Loop Sterile

- Made of Polystyrene



Item Code	Capacity	Pack of	Price / Pack
202.303.01	1ul (Soft Loopes)	100	610
202.303.02	10ul (Soft Loopes)	100	610

Stirrer

- Made of Polypropylene
- Useful for stirring different solutions in the laboratory
- Are tough and long lasting



Item Code	Dia (mm)	Length (mm)	Pack of	Price /Pack
193.303.01	6	150	12	145
193.303.02	7	200	12	250
193.303.03	7	250	12	295
193.303.04	7	300	12	350
193.303.05	10	250	12	350

Wire Gauge

- Has Ceramic Center
- Goes Upto 800°C

Item Code	Size (mm)	Pack of	Price /Piece
524.303.01	100 x 100	10	690
524.303.02	125 x 125	10	810
524.303.03	150 x 150	10	870
524.303.04	200 x 200	10	1210



Weighing Scoops

- Has open tubular arm
- Suitable for use when small quantity of dyes or powders are to be weighed

Item Code	Cap. (ml)	Pack of	Price /Piece
245.202.00	0.5	10	290
245.202.00A	1	10	260
245.202.00B	2	10	260
245.202.01	3	10	210
245.202.02	6	10	275
245.202.03	10	10	325





Glass Stirrer

- Ideal for very sensitive samples
- Made of polished 3.3 borosilicate glass

Item Code	O.D.x Length (mm)	Quantity	Price /Piece
090.202.02	7 x 150	20	35
090.202.02A	7 x 205	20	45
090.202.02B	7 x 255	20	45
090.202.02C	7 x 305	20	65
090.202.04	9 x 150	20	45
090.202.04A	9 x 205	20	65
090.202.04B	9 x 255	20	75
090.202.04C	9 x 305	20	75



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	Price /Pack
189.303.01	250	12	720
189.303.02	500	12	910
189.303.03	1000	12	1195

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

Item Code	Approx Quantity L X B X H (mm)	Pack of	Price /Piece
208.303.03	210 X 170 X 130	1	2845
208.303.04	220 X 140 X 140	1	2845
208.303.05	225 X 225 X 125	1	4555
208.303.06	250 X 250 X 150	1	5810
208.303.07	215 x 100 x 140	1	3015
208.303.08	200 x 120 x 120	1	3120
208.303.09	360 x 150 x 100	1	5500

*Prices on request for borosilicate specimen jar



Watch Glass, Neutral Glass

Item Code	Size (mm)	Pack of	Price /Pack
564.303.07	50	10	305
564.303.08	65	10	360
564.303.09	75	10	485
564.303.10	100	10	990
564.303.11	125	10	1045
564.303.12	150	10	1155



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	Price /Pack
250.303.01	180 x 120 x 160	1	3285



Natural Rubber Cones:

Item Code	Size (ml)	Pack of	Price /Pack
404.303.01	250	4	415
404.303.02	500	4	415
404.303.03	1000	4	705
404.303.04	2000	4	705
404.303.05	5000	4	860
404.303.06	10,000	4	1535



Silicon Rubber Cones:

Item Code	Size (ml)	Pack of	Price /Pack
404.363.01	250	4	1355
404.363.02	500	4	1355
404.363.03	1000	4	2395
404.363.04	2000	4	2395
404.363.05	5000	4	3070
404.363.06	10,000	4	4135



Cat No.	DESCRIPTION	Pcs/Pack	Price Per Piece
355.202.01	Both end open Melting point capillary 5" long 1/100, 125mm	1 Vial	280
356.202.01	Plano Haemometer (Pack of 60)	1 Pcs	5465
357.202.01	Haemocytometer Standerd with WBC & RBC PPT.	1Set	5355
358.202.01	Neubauer Counting Chamber Standard	1Pcs	4545
359.202.01	SQUARE TUBES: Manufactured from borosilicate glass tubing <ul style="list-style-type: none"> Capacity: 14.5 & 17Gram Use for to Measure Hemoglobin Percentage in Blood Manufactured as per I.S.I.Specification. 	1Pcs	315
360.202.01	ZERO ERROR 20CMM PIPETTE (HB PIPETTE) <ul style="list-style-type: none"> Manufactured by borosilicate Glass Attached with Silicon Rubber Tubing Piece Approximate (Length 6" O.D.6 mmX 1mm Wall thickness) Manufactured as per I.S.I.Specification 	1Pcs	155
361.502.01	DROPPER: Made of Glass with Rubber Bung	1Pcs	35
362.202.01	ESRITE PIPETTE: Packing Size 1 Pk (Contain 10 Pcs & 5 Pcs) <ul style="list-style-type: none"> Made of Borosilicate Glass. To be used for Erythrocyte Sedimentation Rate. Available in two different types i.e. One End Ground & Other One is Graduated with Printed scale Autoclavable 	1Pcs	235
363.502.01	WESTERN GREEN PIPETTE: 1 Pck Consist 60Pcs. <ul style="list-style-type: none"> Made of Borosilicate Glass. Graduaction Printed on glass tubing. One End Graduated to be use for Erythrocyte Sedimentation Rate. Manufactured as per I.S.I. Specification Autoclvable 	1Pcs	215
364.202.01	W.G. Apparatus (E.S.R.) Powder Coated (6 Tube) <ul style="list-style-type: none"> Made of Aluminium with Powder Coated for 6 ESR. 	1Pcs	2830
365.202.01	W.B.C. PIPETTE: <ul style="list-style-type: none"> Made of Borosilicate Glass. With Rubber Tubing attach with Mouth Piece individually pack 	1Pcs	305
366.202.01	R.B.C. PIPETTE: <ul style="list-style-type: none"> Made of Borosilicate Glass. With Rubber Tubing attach with Mouth Piece individually pack 	1Pcs	305
367.202.01	NON HEPERNISED CAPILLARY 1/100, 75MM	1VIAL	200

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 (μ l)	Variable Increment (μ l)	Colour	Pack of	Price /Pack
500.303.01	0.1 - 2.5	0.01	Pink	1	5750
500.303.02	0.5 - 10	0.1	Purple	1	5750
500.303.03	2 - 20	0.1	Green	1	5750
500.303.04	5 - 50	0.5	Red	1	5750
500.303.05	10 - 100	0.5	Orange	1	5750
500.303.06	50 - 200	1.0	Yellow	1	5750
500.303.07	20 - 200	1.0	Yellow	1	5750
500.303.08	100 - 1000	5.0	Blue	1	5750
500.303.09	200 - 1000	5.0	Blue	1	5750
500.303.10	500 - 5000	50.0	Black	1	5750
500.303.11	1000 - 5000	50.0	Black	1	5750
500.303.12	500 - 10000	100.0	Black	1	5750
500.303.13	1000 - 10000	100.0	Black	1	5750



Fixed Micropipette

Item Code	Volume Range (μ l)	Colour	Pack of	Price /Pack
501.303.01	2.5	Pink	1	4100
501.303.02	5	Orange	1	4100
501.303.03	10	Orange	1	4100
501.303.04	20	Orange	1	4100
501.303.05	25	Orange	1	4100
501.303.06	50	Red	1	4100
501.303.07	100	Yellow	1	4100
501.303.08	200	Yellow	1	4100
501.303.09	250	Blue	1	4100
501.303.10	500	Blue	1	4100
501.303.11	1000	Blue	1	4100
501.303.12	2000	Black	1	4100
501.303.13	5000	Black	1	4100
501.303.14	10000	Black	1	4100

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.

Eight Channel Micropipette

Item Code	Volume Range (µl)	Increment (µl)	Colour	Pack of	Price /Pack
500.303.14	0.5 - 10	0.1	Purple	1	21135
500.303.15	5 - 50	0.5	Red	1	21135
500.303.16	10 - 100	0.5	Orange	1	21135
500.303.17	20 - 200	0.5	Yellow	1	21135
500.303.18	30 - 300	1.0	Dark Orange	1	21135



Twelve Channel Micropipette

Item Code	Volume Range (µl)	Increment (µl)	Colour	Pack of	Price /Pack
500.303.19	0.5 - 10	0.1	Purple	1	25000
500.303.20	5 - 50	0.5	Red	1	25000
500.303.21	10 - 100	0.5	Orange	1	25000
500.303.22	20 - 200	0.5	Yellow	1	25000
500.303.23	30 - 300	1.0	Dark Orange	1	25000



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	Price /Pack
500.10.B	-	-	-	1000	575
500.10.S.B	✓	-	-	1000	760
500.10.FB	-	-	✓	1000	2685
500.10.S.L.B	✓	✓	-	1000	1045
500.10.S.FB	✓	-	✓	1000	3035
500.10.S.L.FB	✓	✓	✓	1000	3115



10 µl Universal Graduated Tips, 1000 Tips per pack

Item Code	Sterile	Low Retention	Filter	Pack of	Price /Pack
500.10XL.B	-	-	-	1000	575
500.10XL.S.B	✓	-	-	1000	760
500.10XL.FB	-	-	✓	1000	2685
500.10XL.S.L.B	✓	✓	-	1000	1045
500.10XL.S.FB	✓	-	✓	1000	3035
500.10XL.S.L.FB	✓	✓	✓	1000	3115



20 µl Universal Graduated Tips, 1000 Tips per pack

Item Code	Sterile	Low Retention	Filter	Pack of	Price /Pack
500.20.FB	-	-	✓	1000	2685
500.20.S.FB	✓	-	✓	1000	2930
500.20.S.L.FB	✓	✓	✓	1000	3115

50 μ l Universal Graduated Tips, 1000 Tips per pack

Item Code	Sterile	Low Retention	Filter	Pack of	Price /Pack
500.50.FB	-	-	√	1000	2685
500.50.S.FB	√	-	√	1000	2930
500.50.S.L.FB	√	√	√	1000	3115



100 μ l Universal Graduated Tips, 1000 Tips per pack

Item Code	Sterile	Low Retention	Filter	Pack of	Price /Pack
500.100.FB	-	-	√	1000	2685
500.100.S.FB	√	-	√	1000	2930
500.100.S.L.FB	√	√	√	1000	3115



200 μ l Universal Graduated Tips, 1000 Tips per pack

Item Code	Sterile	Low Retention	Filter	Pack of	Price /Pack
500.200.B	-	-	-	1000	530
500.200.S.B	√	-	-	1000	760
500.200.FB	-	-	√	1000	2685
500.200.S.L.B	√	√	-	1000	1045
500.200.S.FB	√	-	√	1000	2930
500.200.S.L.FB	√	√	√	1000	3115





1000 µl Universal Graduated Tips					
Item Code	Sterile	Low Retention	Filter	Pack of	Price /Pack
500.1000.B	-	-	-	500	795
500.1000.S.B	√	-	-	500	1140
500.1000.FB	-	-	√	500	3345
500.1000.S.L.B	√	√	-	500	1650
500.1000.S.FB	√	-	√	500	3570
500.1000.S.L.FB	√	√	√	500	4120



1000 µl Universal Graduated Tips					
Item Code	Sterile	Low Retention	Filter	Pack of	Price /Pack
500.1000XL.B	-	-	-	500	795
500.1000XL.S.B	√	-	-	500	1140
500.1000XL.FB	-	-	√	500	3345
500.1000XL.S.L.B	√	√	-	500	1650
500.1000XL.S.FB	√	-	√	500	3570
500.1000XL.S.L.FB	√	√	√	500	4120



Pipette Stand, Acrylic

Item Code	Capacity	Pack of	Price /Pack
590.303.01	1 Pipette	1	1695
590.303.02	4 Pipettes	1	2320
590.303.03	6 Pipettes	1	2730

Rack

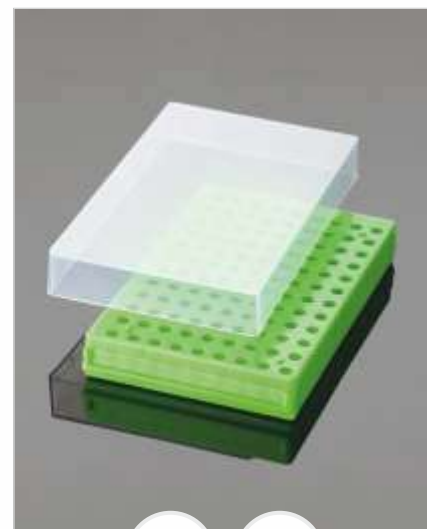
- Fully autoclavable & Stackable
- Hinge rack allows single hand operation
- Color coded tray for Easy identification
- Free from DNase, RNase, Human DNA, Pyrogen & PCR inhibitor

Item Code	Tips Volume (ul)	Description (1 Box Consist of)	Sterile	Low Retention	Filter	Pack	Price / Per Box
500.10.R	10	96 Tips x10 Racks	-	-	-	1	2390
500.10.S.R	10	96 Tips x 10 Racks	√	-	-	1	2590
500.10.FR	10	96 Tips x 10 Racks	-	-	√	1	3765
500.10.S.L.R	10	96 Tips x 10 Racks	√	√	-	1	2770
500.10.S.FR	10	96 Tips x 10 Racks	√	-	√	1	3905
500.10.S.L.FR	10	96 Tips x 10 Racks	√	√	√	1	4775
500.10XL.R	10 (Long)	96 Tips x 10 Racks	-	-	-	1	2395
500.10XL.S.R	10 (Long)	96 Tips x 10 Racks	√	-	-	1	2590
500.10XL.FR	10 (Long)	96 Tips x 10 Racks	-	-	√	1	3795
500.10XL.S.L.R	10 (Long)	96 Tips x 10 Racks	√	√	-	1	2770
500.10XL.S.FR	10 (Long)	96 Tips x 10 Racks	√	-	√	1	3905
500.10XL.S.L.FR	10 (Long)	96 Tips x 10 Racks	√	√	√	1	4775
500.20.FR	20	96 Tips x 10 Racks	-	-	√	1	3795
500.20.S.FR	20	96 Tips x 10 Racks	√	-	√	1	3905
500.20.S.L.FR	20	96 Tips x 10 Racks	√	√	√	1	4775
500.50.FR	50	96 Tips x 10 Racks	-	-	√	1	3795
500.50.S.FR	50	96 Tips x 10 Racks	√	-	√	1	3905
500.50.S.L.FR	50	96 Tips x 10 Racks	√	√	√	1	4775
500.100.FR	100	96 Tips x 10 Racks	-	-	√	1	3795
500.100.S.FR	100	96 Tips x 10 Racks	√	-	√	1	3905
500.100.S.L.FR	100	96 Tips x 10 Racks	√	√	√	1	4775
500.200.R	200	96 Tips x 10 Racks	-	-	-	1	2280
500.200.S.R	200	96 Tips x 10 Racks	√	-	-	1	2470
500.200.FR	200	96 Tips x 10 Racks	-	-	√	1	3795
500.200.S.L.R	200	96 Tips x 10 Racks	√	√	-	1	2675
500.200.S.FR	200	96 Tips x 10 Racks	√	-	√	1	3905
500.200.S.L.FR	200	96 Tips x 10 Racks	√	√	√	1	4775
500.1000.R	1000	96 Tips x 6 Racks	-	-	-	1	1450
500.1000.S.R	1000	96 Tips x 6 Racks	√	-	-	1	1700
500.1000.FR	1000	96 Tips x 6 Racks	-	-	√	1	2655
500.1000.S.L.R	1000	96 Tips x 6 Racks	√	√	-	1	2210
500.1000.S.FR	1000	96 Tips x 6 Racks	√	-	√	1	2915
500.1000.S.L.FR	1000	96 Tips x 6 Racks	√	√	√	1	3735
500.1000XL.R	1250	96 Tips x 6 Racks	-	-	-	1	1720
500.1000XL.S.R	1250	96 Tips x 6 Racks	√	-	-	1	1985
500.1000XL.FR	1250	96 Tips x 6 Racks	-	-	√	1	2805
500.1000XL.S.L.R	1250	96 Tips x 6 Racks	√	√	-	1	2400
500.1000XL.S.FR	1250	96 Tips x 6 Racks	√	-	√	1	3050
500.1000XL.S.L.FR	1250	96 Tips x 6 Racks	√	√	√	1	10350



Autoclavable

Stackable



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	Price / Per Box
500.10.K	10	96 Tips x10 Racks	-	-	1	1635
500.10.S.K	10	96 Tips x 10 Racks	√	-	1	1765
500.10.S.L.K	10	96 Tips x 10 Racks	√	√	1	2075
500.200.K	200	96 Tips x 10 Racks	-	-	1	1570
500.200.S.K	200	96 Tips x 10 Racks	√	-	1	1705
500.200.S.L.K	200	96 Tips x 10 Racks	√	√	1	2030
500.1000.K	1000	96 Tips x 5 Racks	-	-	1	1070
500.1000.S.K	1000	96 Tips x 5 Racks	√	-	1	1260
500.1000.S.L.K	1000	96 Tips x 5 Racks	√	√	1	1555
500.1000XL.K	1250	96 Tips x 6 Racks	-	-	1	1260
500.1000XL.S.K	1250	96 Tips x 6 Racks	√	-	1	1500
500.1000XL.S.L.K	1250	96 Tips x 6 Racks	√	√	1	1910

Tips Empty Racks

Item Code	Capacity (ml)	Pack of	Price / Per Box
500.10.E.R	Tip rack empty for 10 μ l tips	1	1860
500.200.E.R	Tip rack empty for 200 μ l tips	1	1860
500.1000.E.R	Tip rack empty for 1000 μ l tips	1	1225
500.1000XL.E.R	Tip rack empty for 1250 μ l tips	1	1085

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	Price / Piece
			±%	± ml	±%	± ml	±%	± ml	±%	± ml		
500.444.01	0.25-2.5 ml	0.5 ml	0.6	0.015	0.2	0.005	0.6	0.015	0.2	0.005	1	24200
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	24200
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	24200
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	32775
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	34385
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	50025

GLASSCO BOTTLE TOP DISPENSER

Without Re-Circulation Valve

Model No.	Vol. Range	Increment	ISO 8655 Specifications				Glassco Specifications					
			CV		CV		Accuracy		CV		Pack of	Price / Piece
			±%	± ml	±%	± ml	±%	± ml	±%	± ml		
500.555.01	0.25-2.5 ml	0.5 ml	0.6	0.015	0.2	0.005	0.6	0.015	0.2	0.005	1	14500
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	14500
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	14500
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	21200
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	21200
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	25500




GLASSCO BOTTLE TOP DISPENSER

With Dual Inlet Technology

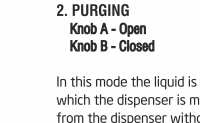


- Fully autoclavable at 121°C , 15 psi for 10-15 mins.
- “CE” mark awarded.
- Refill the bottle & rinse the instrument WITHOUT DISMOUNTING from bottle.
- Patented technology that combines unique functionality, user-friendliness & performance.
- First ever Dispenser offering Dilution , Rinsing , Dual 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.



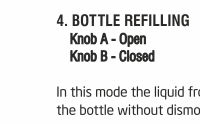
2. PURGING
Knob A - Open
Knob B - Closed

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	Price / Piece
500.450.01	0.25-2.5 ml	0.5 ml	0.6	0.015	0.2	0.005	0.6	0.015	0.2	0.005	1	35750
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	35750
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	35750
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	46750
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	46750
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	59400

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 (Length x Dia) mm	Pack of	Price /Pack
309.303.01	150 x 100	500 x 12	2	1665
309.303.02	200 x 125	600 x 12	2	2300
309.303.03	250 x 150	750 x 12	2	3105

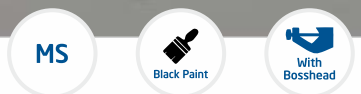


Stand, Retort

- 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 (Length x Dia) mm	Pack of	Price / Pack
310.303.01	150 x 100	950 x 10	2	1365
310.303.02	175 x 125	600 x 12.5	2	1640
310.303.03	200 x 125	600 x 12.5	2	1770
310.303.04	200 x 125	600 x 12	2	1905
310.303.05	225 x 150	750 x 12	2	2970
310.303.06	250 x 150	600 x 12	2	3450
310.303.07	250 x 200	750 x 12	2	4545
310.303.08	300 x 175	900 x 12	2	5255
310.303.09	250 x 150	750 x 12	2	3800





Ring, Retort

- Material Mild Steel, black painted
- Available with boss head

Item Code	Size (mm)	Pack of	Price /Pack
313.303.01	50	4	885
313.303.02	62.5	4	885
313.303.03	75	4	1010
313.303.04	100	4	1010
313.303.05	125	2	555
313.303.06	150	2	555
313.303.07	200	2	580



Rod, Retort

- Material Iron, chrome plated

Item Code	Size (mm)	Material	Pack of	Price / Pack
371.303.01	500	Chrome	2	175
371.303.02	600	Chrome	2	225
371.303.03	750	Chrome	2	290
371.303.04	500	SS	2	330
371.303.05	600	SS	2	380
371.303.06	750	SS	2	470

- 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	Price / Pack
393.303.01	160	7	50	Rod	4	1210
393.303.02	200	7	70	Rod	4	1265
393.303.03	220	8	100	Rod	4	1465
393.303.04	220	8	120	Rod	2	810



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	Price / Pack
393.303.06	70	7	50	Bosshead	4	1515
393.303.07	70	7	70	Bosshead	4	1390
393.303.08	70	8	100	Bosshead	4	1590
393.303.09	70	8	120	Bosshead	2	885

Clamp, Retort

- Complies with DIN 12894
- Cross pattern
- Die-casted
- To hold upto 65 mm

Item Code	Type	Pack of	Price /Pack
324.303.01	Aluminium, Cork Lined	2	860
324.303.04	Zinc, Cork Lined	2	810



Clamp, Retort

- Complies with DIN 12894
- 3 Prong
- Material Aluminium, diecasted - Powder Coated
- Hold upto 50-65 mm circle
- MS Rod chrome plated

Item Code	Type	Pack of	Price /Pack
326.303.02	3 Prong	2	920





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	Price /Pack
328.303.01	Cork Lined	2	910



Clamp, Condenser

- 4 Prong
- Material Aluminium, Powder Coated
- Hold upto 125 mm circle
- MS Rod chrome plated

Item Code	Type	Pack of	Price /Pack
334.303.02	4 Prong	2	2250

Clamp, Condenser

- 3 Prong
- Material Aluminium, Powder Coated
- To hold upto 125 mm circle
- MS Rod chrome plated

Item Code	Type	Pack of	Price /Pack
335.303.02	3 Prong	2	2250



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

Item Code	Type	Pack of	Price /Pack
390.303.01	PVC sleeve with rod	2	1075
390.303.02	Silicone sleeve with rod	2	1140
390.303.03	PVC sleeve with boss Head	2	1415
390.303.04	SILICONE sleeve with boss Head	2	1515





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	Price /Pack
391.303.01	Cork Lined with rod	2	1110
391.303.02	PVC sleeve with rod	2	1125
391.303.03	SILICONE sleeve with rod	2	1125
391.303.04	Cork lined with boss head	2	1415
391.303.05	PVC sleeve with boss head	2	1400
391.303.06	SILICONE sleeve with boss head	2	1480



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	Price /Pack
337.303.03	Hold upto 25mm	4	1970

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	Price /Pack
338.303.03	Hold upto 20mm	4	1115



Boss Head

- Complies with DIN 12895 standard
- Material Aluminium/Zinc, Powder Coated
- To hold upto 16 mm

Item Code	Type	Pack of	Price /Pack
341.303.01	Aluminium, Round Screw	4	860
341.303.02	Aluminium, Thumb Screw	4	1065
341.303.04	Zinc, Round Screw	4	735
341.303.05	Zinc, Thumb Screw	4	1035



Stand, Tripod

- Material Cast Iron, black painted
- Available with Round or triangle top



Cast Iron

Black Paint

Item Code	Size (mm)	Top	Pack of	Price /Pack
344.303.01	100 x 150	with round top	1	300
344.303.02	100 x 175	with round top	1	310
344.303.03	100 x 200	with round top	1	320
344.303.04	125 x 150	with round top	1	320
344.303.05	125 x 175	with round top	1	335
344.303.06	125 x 200	with round top	1	345
344.303.07	100 x 150	with triangle top	1	280
344.303.08	100 x 175	with triangle top	1	290
344.303.09	100 x 200	with triangle top	1	310
344.303.10	125 x 150	with triangle top	1	330
344.303.11	125 x 175	with triangle top	1	325
344.303.12	125 x 200	with triangle top	1	335

Burner, Bunsen

- Material Casted Iron Black painted
- Brass pipe, chrome plated
- Concentrated higher flame
- With Stopcock
- Use with L.P.G.



Cast Iron

Black Paint

With Stop Cock

Item Code	Type	Pack of	Price /Pack
347.303.01	Brass pipe, Single Walled	1	670
347.303.02	Brass pipe, Double Walled	1	720

Burner, Meaker

- Complies with DIN 30665
- Material Casted Iron base, Red painted
- Brass pipe chrome plated
- Without Stopcock
- Use with L.P.G.

Item Code	Pack of	Price /Pack
348.303.01	1	1200



Burner, Meaker

- Complies with DIN 30665
- Material Casted Iron base, Red painted
- Brass pipe chrome plated
- Use with L.P.G.

Item Code	Type	Pack of	Price /Pack
349.303.01	With stopcock	1	1500
349.303.02	With stopcock, Economy	1	1415



Jack, Laboratory

All sizes are in millimeters.



SS

Item Code	Type	Size (mm)	Pack of	Price /Pack
370.303.09	Stainless Steel	120 x 140	1	6320
370.303.10	Stainless Steel	200 x 200	1	9100
370.303.11	Stainless Steel	250 x 250	1	12260

Spatula

• Material Stainless Steel, Grade 202



SS
202

Item Code	Size (mm)	Type	Pack of	Price /Pack
374.303.01	125	one end spoon and one end flat	10	500
374.303.02	150	one end spoon and one end flat	10	630
374.303.03	200	one end spoon and one end flat	10	890
374.303.04	250	one end spoon and one end flat	10	1080
374.303.05	300	one end spoon and one end flat	10	1320

Spatula

- Material Stainless Steel, Grade 202

Item Code	Size (mm)	Type	Pack of	Price /Pack
374.303.06	125	both end flat	10	500
374.303.07	150	both end flat	10	630
374.303.08	200	both end flat	10	890
374.303.09	250	both end flat	10	950



SS
202

Spatula, Double

- Material Stainless steel, Grade 202
- One end Chattaway & one end flat

Item Code	Size (mm)	Pack of	Price /Pack
375.303.01	155	10	690
375.303.02	210	10	760
375.303.03	250	10	950



SS
202



Spatula, Double

- Material Stainless steel, Grade 202
- One end tapered, & one end flat, flexible type

Item Code	Size (mm)	Pack of	Price /Pack
376.303.01	155	10	820
376.303.02	260	10	1320
376.303.03	305	10	1390



Spatula, Micro

- Material Stainless steel, Grade 202
- One end spoon and one side spatula

Item Code	Size (mm)	Pack of	Price /Pack
377.303.01	155	10	760

Spatula, Knife

- Material SS grade 202
- Available with Wooden Handle

Item Code	Size (mm)	Pack of	Price /Pack
541.303.01	100	6	1230
541.303.03	150	6	1260
541.303.04	200	6	790
541.303.05	250	6	1105
541.303.06	300	6	1245



SS
202

Forceps

- Material SS 410 Grade
- Straight fine points

Item Code	Size (mm)	Pack of	Price /Pack
531.303.01	100	10	570
531.303.02	125	10	820
531.303.03	150	10	950
531.303.04	200	10	1260
531.303.05	250	10	1390
531.303.06	300	10	1710



SS
410

Straight
Fine



SS
410

Curved
Fine

Forceps

- Material SS 410 Grade
- Curved Fine Points

Item Code	Size (mm)	Pack of	Price /Pack
532.303.01	100	10	630
532.303.02	125	10	950
532.303.03	150	10	1135
532.303.04	200	10	1265
532.303.05	250	10	1580
532.303.06	300	10	1840



SS
410

Forceps

- Material SS 410 Grade
- Straight Blunt Points

Item Code	Size (mm)	Pack of	Price /Pack
533.303.01	100	10	570
533.303.02	125	10	820
533.303.03	150	10	945
533.303.04	200	10	1265
533.303.05	250	10	1390
533.303.06	300	10	1705

Forceps

- Material SS 410 Grade
- Curved Blunt Points

Item Code	Size (mm)	Pack of	Price /Pack
534.303.01	100	10	630
534.303.02	125	10	890
534.303.03	150	10	1075
534.303.04	200	10	1265
534.303.05	250	10	1520
534.303.06	300	10	1765



SS
410

Curved
Fine

Dissecting Set

- Instruments made of SS Grade 202
- Set of 14 Instruments

Item Code	Description	Pack of	Price / Piece
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	1025



SS
202

Dissecting Set

- Instruments made of SS Grade 202
- Set of 14 Instruments

Item Code	Description	Pack of	Price / Piece
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	1025



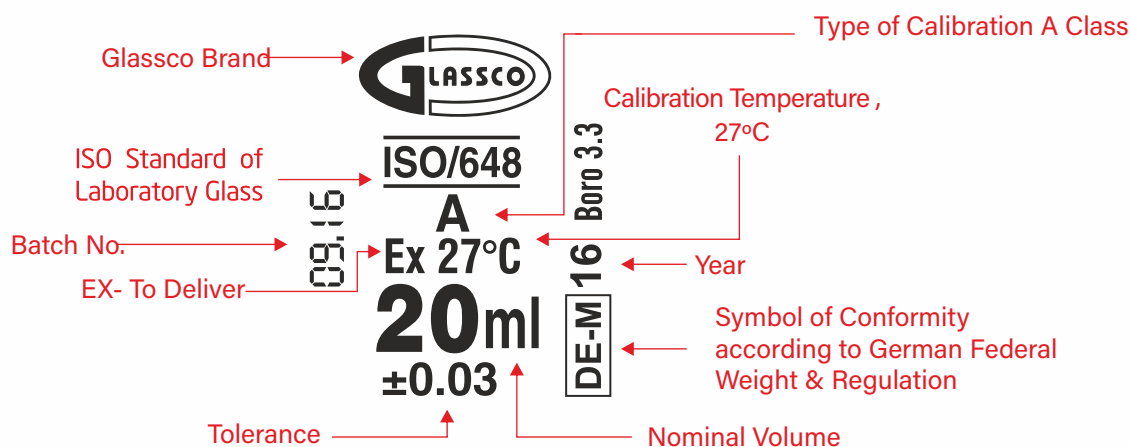
SS
202

Pipettes

Glassco volumetric pipettes are manufactured in compliance with **DIN ISO 648** standards. These pipettes are calibrated to deliver (TD, EX) + 27° 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 **Class "A"** with individual work certificate which is printed in amber colour which fuses into the glass .

Each pipette is accompanied with a individual certificate in the pack you can also download the certificate from our website : www.glasscolabs.com and by scanning the QR Code from the label of the box.

Below is the over view of the one mark pipette explaining in detail the content printed on it.



Pipette, Volumetric, 1 mark

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- with Individual Certificate, Class A, in compliance with DIN ISO 648 Standard

Item Code	Capacity (ml)	Tolerance (± ml)	Colour Code	Pack of	Price / Piece
123.523.00	0.5	0.005	2 BLACK	5	505
123.523.01	1	0.008	BLUE	5	400
123.523.02	2	0.010	ORANGE	5	405
123.523.02A*	3	0.010	BLACK	5	450
123.523.02B*	4	0.010	2 RED	5	450
123.523.03	5	0.015	WHITE	5	450
123.523.03A*	6	0.010	2 ORANGE	5	545
123.523.03B*	7	0.010	2 GREEN	5	545
123.523.03C*	8	0.020	BLUE	5	545
123.523.03D*	9	0.020	BLACK	5	545
123.523.04	10	0.020	RED	5	545
123.523.04A*	15	0.030	GREEN	5	615
123.523.05	20	0.030	YELLOW	5	710
123.523.06	25	0.030	BLUE	5	755
123.523.07	50	0.050	RED	5	855
123.523.08	100	0.080	YELLOW	5	1305

* Non DIN



Pipette, Volumetric, Class A, 1 mark

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Complies with **DIN ISO 648 Standard**
- **NABL** Certified
- Comes with Individual Certificate
- Printed in Amber colour

Item Code	Capacity (ml)	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
123.505.01	1	0.008	BLUE	5	895
123.505.02	2	0.010	ORANGE	5	900
123.505.02A*	3	0.010	BLACK	5	935
123.505.02B*	4	0.010	2 RED	5	935
123.505.03	5	0.015	WHITE	5	970
123.505.03A*	6	0.01	2 ORANGE	5	1165
123.505.03B*	7	0.01	2 GREEN	5	1165
123.505.03C*	8	0.020	BLUE	5	1165
123.505.03D*	9	0.020	BLACK	5	1165
123.505.04	10	0.020	RED	5	1180
123.505.04A*	15	0.030	GREEN	5	1345
123.505.05	20	0.030	YELLOW	5	1420
123.505.06	25	0.030	BLUE	5	1530
123.505.07	50	0.050	RED	5	1840
123.505.08	100	0.080	YELLOW	5	2590

* Non DIN



Pipette, Volumetric, Class A, 1 mark

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Complies with USP standard
- Comes with Individual Works Certificate

Item Code	Capacity (ml)	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
123.520.01	1	0.006	BLUE	5	415
123.520.01A	1.5	0.006	-	5	470
123.520.02	2	0.006	ORANGE	5	475
123.520.02AB	2.5	0.006	-	5	530
123.520.02A	3	0.010	BLACK	5	495
123.520.02B	4	0.010	2 RED	5	495
123.520.03	5	0.010	WHITE	5	495
123.520.03A	6	0.010	2 ORANGE	5	550
123.520.03B	7	0.010	2 GREEN	5	550
123.520.03C	8	0.020	BLUE	5	550
123.520.03D	9	0.020	BLACK	5	550
123.520.04	10	0.020	RED	5	565
123.520.04E	15	0.030	GREEN	5	645
123.520.05	20	0.030	YELLOW	5	745
123.520.06	25	0.030	BLUE	5	795
123.520.06E	30	0.030	BLACK	5	795
123.520.06F	40	0.030	WHITE	5	845
123.520.07	50	0.050	RED	5	915
123.520.08	100	0.080	YELLOW	5	1380



Pipettes

Pipette, Volumetric, Class B, 1 mark

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



Item Code	Capacity (ml)	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
122.522.01	1	0.015	BLUE	5	200
122.522.02	2	0.020	ORANGE	5	210
122.522.02A	3	0.020	BLACK	5	210
122.522.02B	4	0.020	2 RED	5	210
122.522.03	5	0.030	WHITE	5	220
122.522.03A	6	0.030	2 ORANGE	5	240
122.522.03B	7	0.020	2 GREEN	5	240
122.522.03C	8	0.020	BLUE	5	240
122.522.03D	9	0.040	BLACK	5	240
122.522.04	10	0.040	RED	5	255
122.522.04A	15	0.060	GREEN	5	290
122.522.05	20	0.060	YELLOW	5	295
122.522.06	25	0.060	BLUE	5	310
122.522.06A	30	0.06	BLACK	5	305
122.522.06B	40	0.10	WHITE	5	330
122.522.07	50	0.10	RED	5	365
122.522.08	100	0.15	YELLOW	5	520

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) + 27° C. All graduated pipettes are calibrated by automatic machine and then the final quality check is done on the quality control centre. The graduated pipettes come in A class individual work certificate & are printed in amber colour. Each pipette is accompanied with individual certificate in the pack. You can also download the certificate at www.glasscolabs.com.



Pipette, Graduated, Class-A

- Complies with **DIN ISO 835**
- Comes with **INDIVIDUAL** Work Certificate
- Serological Type 3

Item Code	Capacity (ml)	Sub Division	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
125.523.00	0.1	0.01	0.006	WHITE	5	640
125.523.00A	0.2	0.01	0.006	BLACK	5	640
125.523.01	1	0.01	0.007	YELLOW	5	605
125.523.01A	1	0.10	0.007	RED	5	530
125.523.02	2	0.02	0.010	BLACK	5	590
125.523.02A	2	0.10	0.01	GREEN	5	550
125.523.03	5	0.05	0.030	RED	5	680
125.523.03A	5	0.10	0.03	BLUE	5	640
125.523.04	10	0.10	0.050	ORANGE	5	735
125.523.06	25	0.10	0.100	WHITE	5	870

Pipette, Graduated, Class-A

- Complies with **DIN ISO 835**
- **NABL** Certified
- Comes with **INDIVIDUAL** Work Certificate
- Serological Type 3

Item Code	Capacity (ml)	Sub Division	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
125.505.00	0.1	0.01	0.006	WHITE	5	1255
125.505.00A	0.2	0.01	0.006	BLACK	5	1255
125.505.01	1	0.01	0.007	YELLOW	5	1355
125.505.01A	1	0.10	0.007	RED	5	1205
125.505.02	2	0.02	0.010	BLACK	5	1280
125.505.02A	2	0.10	0.01	GREEN	5	1210
125.505.03	5	0.05	0.03	RED	5	1370
125.505.03A	5	0.10	0.03	BLUE	5	1280
125.505.04	10	0.10	0.050	ORANGE	5	1500
125.505.06	25	0.10	0.100	WHITE	5	1845



Pipette, Graduated, Class-A

- Complies with **USP Standards**
- Comes with **INDIVIDUAL** Work Certificate
- Serological Type 3

Item Code	Capacity (ml)	Sub Division	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
125.220.00	0.1	0.01	0.010	WHITE	5	755
125.220.00A	0.2	0.01	0.010	BLACK	5	755
125.220.01	1	0.01	0.010	YELLOW	5	575
125.220.02	2	0.02	0.010	BLACK	5	570
125.220.03	5	0.05	0.020	RED	5	680
125.220.04	10	0.10	0.030	ORANGE	5	745
125.220.06	25	0.10	0.050	WHITE	5	885



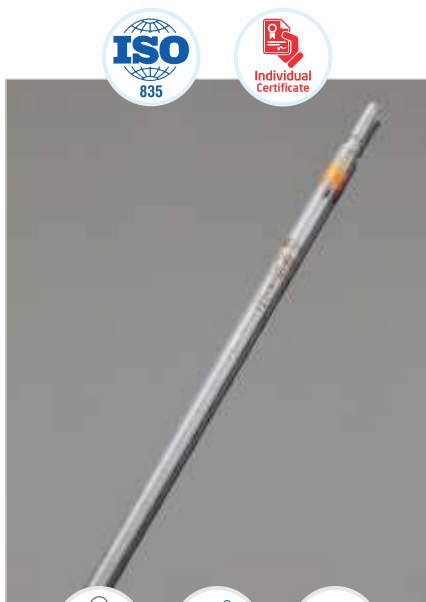
Pipettes



Pipettes, Graduated, Class-B

- Printed in amber colour enamel.
- Serological Type 3

Item Code	Cap. (ml)	Sub Division	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
124.522.00	0.1	0.01	0.01	WHITE	5	210
124.522.00A	0.2	0.01	0.01	BLACK	5	200
124.522.01	1	0.01	0.01	YELLOW	5	200
124.522.01A	1	0.10	0.01	RED	5	185
124.522.02	2	0.02	0.02	BLACK	5	210
124.522.02A	2	0.10	0.02	GREEN	5	200
124.522.03	5	0.05	0.05	RED	5	225
124.522.03A	5	0.10	0.05	BLUE	5	210
124.522.04	10	0.10	0.1	ORANGE	5	245
124.522.06	25	0.10	0.2	WHITE	5	385



Pipettes, Graduated, Class-A, Type 1 (Mohr)

- Complies with **DIN ISO 835 Standard**
- With Individual Works Certificate

Item Code	Cap. (ml)	Sub Division	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
125.516.00	0.1	0.01	0.006	WHITE	5	640
125.516.00A	0.2	0.01	0.006	BLACK	5	640
125.516.01	1	0.01	0.007	YELLOW	5	605
125.516.01A	1	0.10	0.007	RED	5	530
125.516.02	2	0.02	0.010	BLACK	5	590
125.516.02A	2	0.10	0.010	GREEN	5	550
125.516.03	5	0.05	0.030	RED	5	680
125.516.03A	5	0.10	0.030	BLUE	5	640
125.516.04	10	0.10	0.050	ORANGE	5	735
125.516.06	25	0.10	0.100	WHITE	5	870

Pipettes, Graduated, Class-A, Type 1 (Mohr)

- Complies with **DIN ISO 835 Standard**
- **NABL** Certified
- With Individual Works Certificate

Item Code	Cap. (ml)	Sub Division	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
125.506.00	0.1	0.01	0.006	WHITE	5	1255
125.506.00A	0.2	0.01	0.006	BLACK	5	1255
125.506.01	1	0.01	0.007	YELLOW	5	1355
125.506.01A	1	0.10	0.007	RED	5	1205
125.506.02	2	0.02	0.010	BLACK	5	1280
125.506.02A	2	0.10	0.010	GREEN	5	1210
125.506.03	5	0.05	0.030	RED	5	1370
125.506.03A	5	0.10	0.030	BLUE	5	1280
125.506.04	10	0.10	0.050	ORANGE	5	1500
125.506.06	25	0.10	0.100	WHITE	5	1845



Pipettes, Graduated, Class-B, (Mohr)

- Complies with **DIN/ISO 835**

Item Code	Cap. (ml)	Sub Division	Tolerance (\pm ml)	Colour Code	Pack of	Price / Piece
124.517.00	0.1	0.01	0.01	WHITE	5	210
124.517.00A	0.2	0.01	0.01	BLACK	5	200
124.517.01	1	0.01	0.01	YELLOW	5	200
124.517.01A	1	0.10	0.01	RED	5	185
124.517.02	2	0.02	0.02	BLACK	5	210
124.517.02A	2	0.10	0.02	GREEN	5	200
124.517.03	5	0.05	0.05	RED	5	225
124.517.03A	5	0.10	0.05	BLUE	5	210
124.517.04	10	0.10	0.10	ORANGE	5	245
124.517.06	25	0.10	0.20	WHITE	5	380



Pipettes



GLASS
BORO
3.3



Pipettes, Gerber, Milk

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Complies with IS 1223
- 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	Cap. (ml)	Tolerance (± ml)	Pack of	Price /Piece
123.507.04	10.75	0.03	10	240

Pipettes, Gerber, Milk With Certificate

New

- With Calibration Certificate

Item Code	Cap. (ml)	Tolerance (± ml)	Pack of	Price /Piece
123.508.04	10.75	0.015	10	490



GLASS
BORO
3.3



Pipettes, Bacteriological, Graduated

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Complies with IS 2025
- Used for the bacteriological examination of milk
- 1.1 ml is graduated at 0.5, 1.0 & 1.1 ml
- 2.2 ml is graduated at 1.0, 2.0, 2.1 and 2.2 ml

Item Code	Cap. (ml)	Tolerance (± ml)	Pack of	Price /Piece
125.507.01	1.1	0.025	10	230
125.507.02	2.2	0.04	10	255

Pipette Box

- Made of polypropylene
- Can hold Pipettes of different lengths
- Top of the box screws on the bot tom and the height can be adjusted by screwing the top

Item Code	Type	Pack of	Price / Pack
171.303.01	Pipette Box	4	1095



Pipette Pump

- Made of ABS
- precise pipetting & zip quick emptying
- Knurled thumbwheel can be rotated to draw up or dispense liquids while the releaser may be pushed in for zip-quick emptying
- Moulded chuck has a silicon rubber collet inside to hold various pipettes of standard sizes
- resists acids & alkalies and can be easily disassembled for thorough cleaning

Item Code	Type	Pack of	Price / Pack
104.303.01	2	12	8935
104.303.02	10	12	8935
104.303.03	15	12	9745



Pipette, Bulb

- Made of natural rubber
- Comes in natural or silicon
- It allows safe, manual control of filling or discharging toxic liquids through a pipette by finger pressure (thus avoiding mouth contact).

Natural Rubber :

Item Code	Size	Capacity ml	Pack of	Price / Pack
411.303.01	Small	5	10	465
411.303.02	Medium	10	10	535
411.303.03	Large	15	10	595
411.303.03A	Extra Large	20	10	645
411.303.04	Oval	25	10	995
411.303.05	Super Large	50	10	1495
411.303.06	Extra Super Large	100	10	2185

Silicon Rubber :

Item Code	Size	Capacity ml	Pack of	Price / Pack
411.303.07	Small	5	10	1050
411.303.08	Medium	10	10	1285
411.303.09	Large	15	10	1520
411.303.10	Extra Large	20	10	1695
411.303.11	Oval	25	10	3275
411.303.12	Super Large	50	10	7955
411.303.13	Extra Super Large	100	10	8775



Si

280°C

SSSS



Pipette Filler

- With release valve allow adjustment of liquid
- Capacity 50 ml

Item Code	Type	Pack of	Price / Pack
415.303.01	Red colour, made of natural rubber	4	1055
415.303.02	Blue colour, made of silicon rubber	4	2425

Pipette Stand (Horizontal)

- Made of Polypropylene
- Detachable stand can hold 12 pipettes, 6 on each side, in a horizontal position
- Autoclavable stand has two sides which are attached to each other with three metallic rods coated with Polypropylene
- Easy disassembling for space saving storage

Item Code	Capacity	Pack of	Price / Pack
168.303.01	for 12 Pipettes	6	1070



Pipette Stand (94 Pipettes- Rotary)

- Made of Polypropylene
- Holds maximum 94 pipettes and rotates on a central vertical axis for convenient selection of any pipette
- 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
- 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
- Easy disassembling & reassembling

Item Code	Capacity	Pack of	Price / Pack
170.303.01	for 94 Pipettes	1	735





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 Desktop Stand enables the Pipette Controller to be charged while resting on it
- The Pipette Controller can hold the serological pipette while resting on Desktop Stand

Technical Data

Power	:	2x 1.2V / 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) Desktop Stand Hydrophobic PTFE membrane filter 0.45 µm 1Pc Hydrophobic PTFE membrane filter 0.20 µm 1Pc Wall mounting stand with screw

Ordering Information

Item Code	Capacity	Pack of	Price / Piece
501.404.01	Pipette Controller - Blue with desktop stand	1	19900



Pasteur Pipettes (Disposable)

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 Pasteur Pipettes with Cotton Plugs

- Compliance with ASTM E-732 standards

Item Code	Product Description	Overall Length	Pieces/Case	Price / Case
24672.400	Boro Glass 7.0 Expansion	14.6 cm	1000	3860
24672.405	Boro Glass 7.0 Expansion	22.9 cm	1000	4415
24672.410	Borosilicate Glass (3.3)	14.6 cm	1000	4960
24672.412	Borosilicate Glass (3.3)	22.9 cm	1000	5205



Glassco Disposable Pasteur Pipettes

- Compliance with ASTM E-732 standards

Item Code	Product Description	Overall Length	Pieces/Case	Price / Case
24672.200	Boro Glass 7.0 Expansion	14.6 cm	1000	3355
24672.608	Boro Glass 7.0 Expansion with Controlled Drop**	14.6 cm	1000	3465
24672.380	Boro Glass 7.0 Expansion	22.9 cm	1000	3575
24673.010	Borosilicate Glass (3.3) Pipette - Short Tip (2 ml)	14.6 cm	1000	3960
23283.916	Boro (3.3) Pipette - Short Tip, Controlled Drop (2 ml)	14.6 cm	1000	4070
24673.043	Boro (3.3) Pipette - Long Tip (2 ml)	22.9 cm	1000	4180

****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

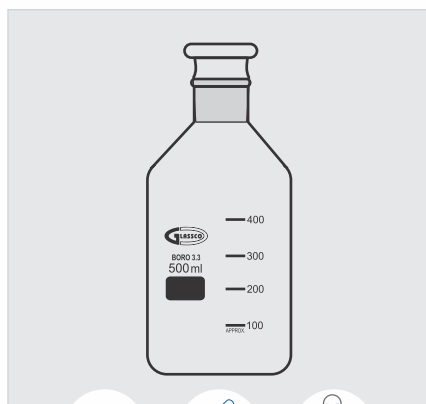


Coefficient of Linear Expansion 0°C to 800°C	5.5 x 10 ⁻⁷ cm/°c
Strains Point	1120°C
Annealing Point	1200°C
Softening Point	1685°C
Electrical Conductivity (at 350°C)	7x10 ⁷ ohm cm

Beakers, Low Form, With Spout

- Accurate in dimension
- Durable

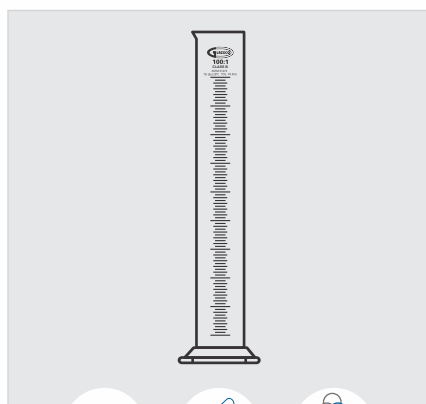
Cat. No.	Cap. (ml)	Dia. (mm)	Height (mm)	Pcs/Pack	Price / Piece
Q230.235.01	25	34	50	5	1710
Q230.235.02	50	42	60	5	2525
Q230.235.03	100	50	70	5	3880
Q230.235.04	150	60	80	5	5140
Q230.235.05	250	70	95	1	7675
Q230.235.06	500	83	118	1	14250
Q230.235.07	1000	105	145	1	25020



Bottle, Reagent

- With hollow stopper

Cat. No.	Capacity (ml)	Pcs/Pack	Price /Piece
Q272.512.03	500	1	22215



Cylinder, Measuring, Class B

- With spout

Cat. No.	Capacity (ml)	Pcs/Pack	Price /Piece
Q138.510.00	5	1	8890
Q138.510.01	10	1	10050
Q138.510.03	50	1	20005
Q138.510.04	100	1	27905
Q138.510.05	250	1	39895
Q138.510.06	500	1	54965

Dishes / Basins, Round

- With Spout

Cat. No.	O.D. (mm)	Height (mm)	Pcs/Pack	Price /Piece
Q247.202.01	55	23	10	1455
Q247.202.02	75	27	5	4195
Q247.202.03	85	35	5	5325
Q247.202.04	95	36	1	8780
Q247.202.05	100	38	1	10615
Q247.202.06	115	47	1	15540



Erlenmeyer Flasks

Cat. No.	Cap. (ml)	Dia. (mm)	Height (mm)	Pcs/Pack	Price / Piece
Q233.202.01	50	50	90	1	6900
Q233.202.02	100	64	105	1	8000
Q233.202.03	150	72	124	1	9650
Q233.202.04	250	85	140	1	11985
Q233.202.05	500	100	180	1	21820



Flask, Volumetric

- Accurate Dimension
- Durable

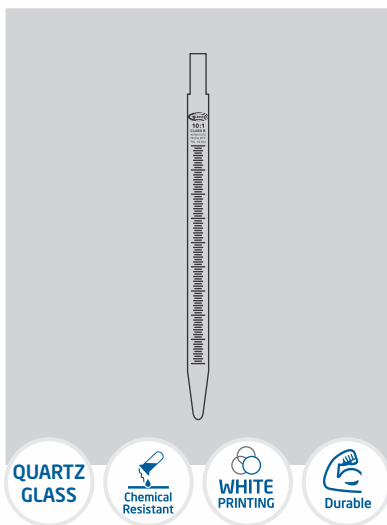
Cat. No.	Cap. (ml)	N/S	Pcs/Pack	Price /Piece
Q131.220.01	5	10/19	1	6555
Q131.220.02	10	10/19	1	3800
Q131.220.03	25	10/19	1	4485
Q131.220.04	50	12/21	1	5405
Q131.220.05	100	14/23	1	6970
Q131.220.06	250	14/23	1	10185
Q131.220.07	500	19/26	1	12915
Q131.220.08	1000	24/29	1	26885





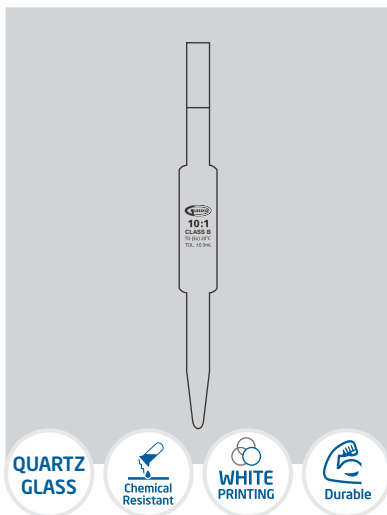
Funnel

Cat. No.	Size (mm)	Pcs/Pack	Price /Piece
Q239.202.01	35	1	6085
Q239.202.02	45	1	7955
Q239.202.03	55	1	9825
Q239.202.04	70	1	12930
Q239.202.05	75	1	19925



Pipette, Measuring, Mohr type

Cat. No.	Cap. (ml)	Pcs/Pack	Price /Piece
Q125.530.01	1 x 0.01	1	11385
Q125.530.02A	2 x 0.1	1	7730
Q125.530.03A	5 x 0.1	1	9980
Q125.530.04	10 x 0.1	1	11950



Pipette, Transfer, Volumetric, Class B

Cat. No.	Cap. (ml)	Pcs/Pack	Price /Piece
Q122.540.01	1	1	8725
Q122.540.02	2	1	8725
Q122.540.02A	3	1	11310
Q122.540.02B	4	1	11310
Q122.540.03	5	1	11130
Q122.540.03A	6	1	12525
Q122.540.04	10	1	12860

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	Price /Piece
406.BB.01	450	8 x 14	1	105
406.BB.02	600	8 x 14	1	145
406.BB.03	900	8 x 14	1	195
406.BB.04	1000	8 x 14	1	220



Neoprene Rubber :

Item Code	Length (mm)	ID x OD (mm)	Pack of	Price /Piece
426.BB.01	450	5 x 8	1	120
426.BB.02	600	5 x 8	1	150
426.BB.03	900	5 x 8	1	215
426.BB.04	1000	5 x 8	1	225



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	Price / Pack
420.303.01	5		5.0		10	160
420.303.02	6	9.0	6.0	16.0	10	180
420.303.03	8	10.5	8.0	20.0	10	200
420.303.04	9	11.5	9.0	20.0	10	210
420.303.05	10	12.5	10.0	20.0	10	235
420.303.06	11	14.0	11.0	24.0	10	320
420.303.07	13	16.0	13.0	24.0	10	400
420.303.08	15	18.0	15.0	24.0	10	475
420.303.09	17	20.5	17.0	26.0	10	595
420.303.10	18	21.0	18.0	26.0	10	670
420.303.11	19	22.5	19.0	28.0	10	765
420.303.12	21	24.5	21.0	28.0	10	855
420.303.13	23	26.5	23.0	28.0	10	980
420.303.14	25	28.5	25.0	28.0	10	1020
420.303.15	27	31.0	27.0	32.0	10	1230
420.303.16	29	31.0	29.0	32.0	10	1485
420.303.17	31	36.0	31.0	35.0	10	1905
420.303.18	33	38.5	33.0	38.5	10	2385
420.303.19	35	45.5	35.0	36.5	10	2880
420.303.20	38	42.5	38.0	40.5	10	3335
420.303.21	40	49.5	40.0	40.5	10	3335



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



Item Code	Cork No.	Top (±2 mm)	Bottom (±2 mm)	Height (±2 mm)	Pack of	Price /Pack
410.303.01	000	9	6	16	10	35
410.303.02	0	13	9	15.5	10	40
410.303.03	1	14	11	18.5	10	50
410.303.04	2	16.5	13	20	10	60
410.303.05	3	19	14	21	10	65
410.303.06	4	21	15	22	10	75
410.303.07	5	22.5	17.5	23	10	95
410.303.08	6	24.5	20	24	10	125
410.303.09	7	26	20	27.5	10	135
410.303.10	8	26.5	21	27.5	10	160
410.303.11	9	28	21.5	31	10	205
410.303.12	10	30	26	33	10	245
410.303.13	11	33	29	32	10	280
410.303.14	12	34.5	30	34.5	10	305
410.303.15	13	38.5	31	37	10	405
410.303.16	14	41.5	32	42.5	10	455
410.303.17	15	42	38	40.5	10	590
410.303.18	16	45	35	36.5	10	595
410.303.19	17	49.5	40	40.5	10	700
410.303.20	18	53.5	48	33.5	10	790
410.303.21	19	58	44	45	10	915
410.303.22	20	60	51	56.5	10	1300

Cork, Rubber (Euro Design) DIN 12871



Item Code	Top (±2 mm)	Bottom (±2 mm)	Height (±2 mm)	Pack of	Price /Pack
410.303.23	6.5	3.5	15	10	35
410.303.24	9	5	20	10	35
410.303.25	12	8	20	10	40
410.303.26	14.5	10.5	20	10	50
410.303.27	16.5	12.5	20	10	60
410.303.28	18	14	20	10	80
410.303.29	22	17	25	10	95
410.303.30	24	18	30	10	110
410.303.31	27	21	30	10	185
410.303.32	29	23	30	10	205
410.303.33	32	26	30	10	250
410.303.34	35	29	30	10	255
410.303.35	38	31	35	10	395
410.303.36	44	36	40	10	520
410.303.37	49	41	40	10	625
410.303.38	55	47	40	10	725
410.303.39	59.5	50.5	45	10	840
410.303.40	65	56	45	10	1500
410.303.41	70	60	50	10	1890
410.303.42	75.5	64.5	55	10	2240
410.303.43	83	71	60	10	2320
410.303.44	92	79	65	10	2415
410.303.45	100	87	65	10	2710
410.303.46	107	94	65	10	3010

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 (±2 mm)	Bottom (±2 mm)	Height (±2 mm)	Pack of	Price / Pack
405.303.01	9	11.5	9	20	10	340
405.303.02	11	14	11	24	10	540
405.303.03	13	16	13	24	10	685
405.303.04	15	18	15	24	10	795
405.303.05	17	20	17	26	10	980
405.303.06	18	21	18	26	10	1065
405.303.07	19	22.5	19	28	10	1235
405.303.08	23	25.5	23	28	10	1575
405.303.09	25	28.5	25	28	10	1885
405.303.10	27	31	27	32	10	2275
405.303.11	29	33	29	32	10	2905
405.303.12	31	36	31	35	10	3460
405.303.13	33	38.5	33	38.5	10	4420

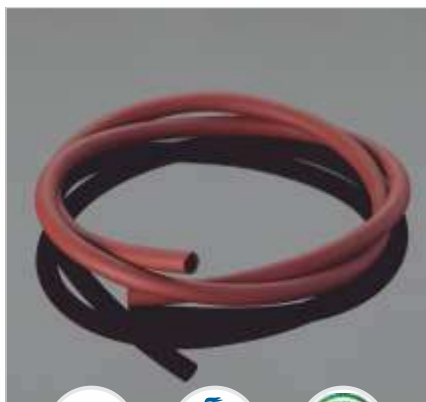


Cork, Silicon, Euro design

- Complies with DIN 12871 Standards

Item Code	Top (±2 mm)	Bottom (±2 mm)	Height (±2 mm)	Pack of	Price / Pack
405.303.14	6.5	3.5	15	10	160
405.303.15	9	5	20	10	195
405.303.16	12	8	20	10	250
405.303.17	14.5	10.5	20	10	375
405.303.18	16.5	12.5	20	10	455
405.303.19	18	14	20	10	475
405.303.20	22	17	25	10	840
405.303.21	24	18	30	10	930
405.303.22	27	21	30	10	1080
405.303.23	29	23	30	10	1360
405.303.25	35	29	30	10	2535
405.303.26	38	31	35	10	3065
405.303.27	44	36	40	10	4080
405.303.28	49	41	40	10	4695
405.303.29	55	47	40	10	5630
405.303.30	59.5	50.5	45	10	6180
405.303.31	65	56	45	10	7190
405.303.32	70	60	50	10	11260
405.303.33	75.5	64.5	55	10	14125
405.303.34	83	71	60	10	18035
405.303.35	92	79	65	10	23345
405.303.36	100	87	65	10	31200
405.303.37	107	94	65	10	33860

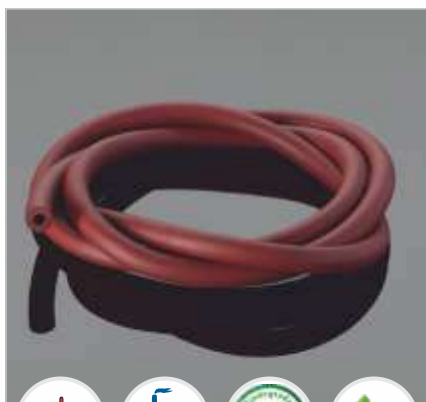




Tubing, Natural Rubber

- 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°C to $+70^{\circ}\text{C}$

Item Code	Inner dia (mm)	Wall Thickness (mm)	Outer dia (mm)	Pack of	Price / Pack
406.303.01	4.0	1.0	6	10 Mtr.	315
406.303.02	5.0	1.5	8	10 Mtr.	425
406.303.03	6.0	1.5	9	10 Mtr.	500
406.303.04	7.0	1.5	10	10 Mtr.	610
406.303.05	8.0	1.5	11	10 Mtr.	700
406.303.06	9.0	2.0	13	10 Mtr.	870
406.303.07	10.0	2.0	14	10 Mtr.	955
406.303.08	12.0	2.0	16	10 Mtr.	1240



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°C to $+70^{\circ}\text{C}$

Item Code	Inner dia (mm)	Wall Thickness (mm)	Outer dia (mm)	Pack of	Price / Pack
408.303.01	3.0	3.0	9	10 Mtr.	520
408.303.02	5.0	3.0	11	10 Mtr.	640
408.303.03	6.0	3.0	12	10 Mtr.	770
408.303.04	8.0	3.0	14	10 Mtr.	920
408.303.05	9.0	3.0	15	10 Mtr.	1040
408.303.06	10.0	4.0	18	10 Mtr.	1525
408.303.07	12.0	4.0	20	10 Mtr.	1995

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°C to $+70^{\circ}\text{C}$

Item Code	Inner dia (mm)	Wall Thickness (mm)	Outer dia (mm)	Pack of	Price / Pack
409.303.01	3.0	5.0	13	10 Mtr.	855
409.303.02	5.0	5.0	15	10 Mtr.	1025
409.303.03	6.0	5.0	16	10 Mtr.	1180
409.303.04	8.0	5.0	18	10 Mtr.	1475
409.303.05	9.0	5.0	19	10 Mtr.	1570
409.303.07	10.0	6.0	22	10 Mtr.	2270
409.303.06	12.5	6.5	24	10 Mtr.	2420



Tubing Pressure Green :

Item Code	Inner dia (mm)	Wall Thickness (mm)	Outer dia (mm)	Pack of	Price / Pack
401.303.01	6.4	3.2	12.8	10 Mtr.	1520

Tubing, Blood Pressure Green Superior :

Item Code	Inner dia (mm)	Wall Thickness (mm)	Outer dia (mm)	Pack of	Price / Pack
403.303.01	3	2.5	8	10 Mtr.	930



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



Item Code	Inner dia (mm)	Wall Thickness (mm)	Outer dia (mm)	Pack of	Price / Pack
400.303.01	2	1	4	10 Mtr.	875
400.303.02	3	1	5	10 Mtr.	925
400.303.03	3	1.5	6	10 Mtr.	1460
400.303.04	4	1	6	10 Mtr.	1460
400.303.05	4	1.5	7	10 Mtr.	1695
400.303.06	5	1	7	10 Mtr.	2220
400.303.07	5	1.5	8	10 Mtr.	2220
400.303.08	6	1	8	10 Mtr.	2575
400.303.09	6	1.5	9	10 Mtr.	3745
400.303.10	6	2	10	10 Mtr.	3975
400.303.11	6	3	12	10 Mtr.	6900
400.303.12	7	1.5	10	10 Mtr.	3625
400.303.13	7	2	11	10 Mtr.	4560
400.303.14	8	1.5	11	10 Mtr.	3685
400.303.15	8	2	12	10 Mtr.	4445
400.303.16	8	3	14	10 Mtr.	6385
400.303.17	9	2	13	10 Mtr.	5280
400.303.18	10	2	14	10 Mtr.	6385
400.303.19	10	3	16	10 Mtr.	7605
400.303.20	12	3.5	19	10 Mtr.	10305
400.303.22	14	3	20	10 Mtr.	11175
400.303.23	15	4	23	10 Mtr.	18490
400.303.24	16	3	22	10 Mtr.	15360

Tubing, Silicon Platinum Cured



Item Code	Inner dia (mm)	Wall Thickness (mm)	Outer dia (mm)	Pack of	Price / Pack
400.350.03	3.0	1.5	6	1 Mtr.	215
400.350.05	4.0	1.5	7	1 Mtr.	235
400.350.07	5.0	1.5	8	1 Mtr.	315
400.350.09	6.0	1.5	9	1 Mtr.	355
400.350.10	6.0	2.0	10	1 Mtr.	395
400.350.12	7.0	1.5	10	1 Mtr.	395
400.350.13	7.0	2.0	11	1 Mtr.	460
400.350.14	8.0	1.5	11	1 Mtr.	460
400.350.15	8.0	2.0	12	1 Mtr.	470
400.350.17	9.0	2.0	13	1 Mtr.	700
400.350.18	10.0	2.0	14	1 Mtr.	940
400.350.20	12.0	2.0	16	1 Mtr..	965

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	Price /Pack
407.303.01	6 x 19	1 Mtr.	1020
407.303.02	8 x 22	1 Mtr.	1100



Teats

- Used in laboratory with droppers for dispensing drops or qualitative amounts of liquids or chemicals.

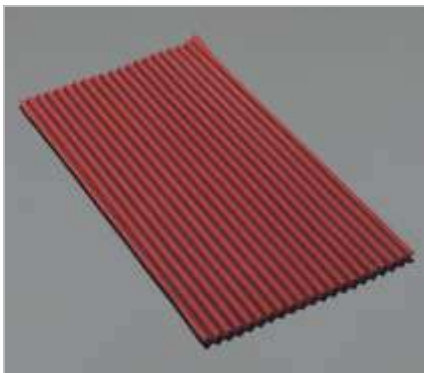
Item Code	Type	Rubber Type	Capacity	Pack of	Price / Pack
414.303.01	Conical	Natural Rubber	1	10	575
414.303.02	Conical	Natural Rubber	2-3	10	1585
414.303.03	Round	Natural Rubber	1	10	575
414.303.04	Conical	Silicon Rubber	1	10	2535
414.303.05	Conical	Silicon Rubber	2-3	10	3175
561.505.01	Round	Latex Rubber	Small	10	830
561.505.02	Round	Latex Rubber	Large	10	1390

Available in **pack of 10** only



Rubberware

Available in **Pack of 10 Meter Coil** only

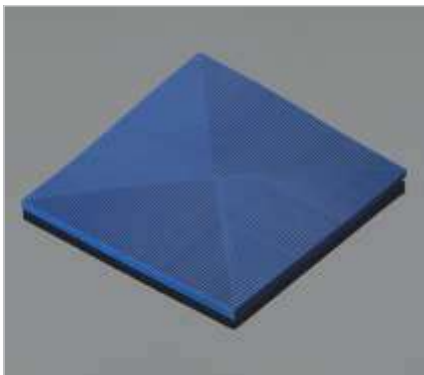


Sheet, Rubber Corrugated

- Used in Industrial Shelves, Hospital and Medical Buildings

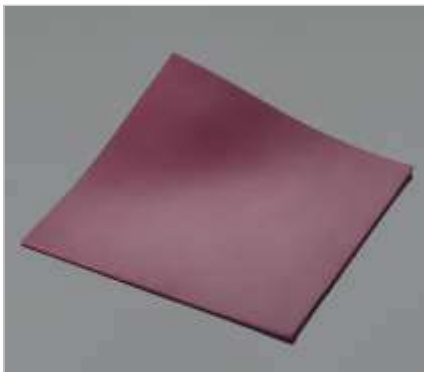
Item Code	Dimension (mm)	Pack of	Price /Pack
402.303.01	350 x 150	4	525

Minimum order quantity : **5 Meter coil**



Mat, Laboratory

Item Code	Dimension (mm)	Rubber Type	Pack of	Price /Pack
402.400.01	12" x 12"	Natural Rubber	4	9665
402.400.02	12" x 12"	Silicone Rubber	4	14235



Sheet, Laboratory

- Used to avoid direct surface Contact of glassware products on the solid sur face.

Item Code	Dimension (mm)	Rubber Type	Pack of	Price /Pack
402.500.01	9.5" x 9.5" x 2.7	Natural Rubber	4	800
402.500.02	9.5" x 9.5" x 2.7	Silicone Rubber	4	6915

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	Cap. (ml)	O.D. x Height (mm)	Thickness (mm)	Pack of	Price /Piece
097.202.01	3	10 x 75	1.0	100	10
097.202.02	5	12 x 75	1.0	100	10
097.202.03	6	12 x 100	1.0	100	14
097.202.04*	13	15 x 125	1.2	100	18
097.202.04A	10	16 x 100	1.2	100	20
097.202.04B	20	16 x 150	1.2	100	25
097.203.05*	15	15 x 150	1.2	100	21
097.202.05	27	18 x 150	1.2	100	22
097.203.06	45	20 x 150	1.2	100	28
097.211.07A*	38	25 x 100	1.2	100	28
097.202.06*	55	25 x 150	1.2	100	34
097.202.07*	60	25 x 200	1.2	100	45
097.211.10A*	100	32 x 200	1.4	50	68
097.211.12*	150	38 x 200	1.4	50	82

* Non DIN/ISO



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	Cap. (ml)	O.D. x Height (mm)	Thickness (mm)	Pack of	Price / Piece
097.215.01	3	10 x 75	1.0	100	10
097.215.02	5	12 x 75	1.0	100	10
097.215.03	7	12 x 100	1.0	100	14
097.215.04*	13	15 x 125	1.2	100	18
097.215.04A*	15	15 x 150	1.2	100	21
097.215.06	27	18 x 150	1.2	100	22
097.215.07	45	20 x 150	1.2	100	28
097.215.08*	38	25 x 100	1.2	100	28
097.215.08A*	55	25 x 150	1.2	100	34
097.215.08B*	70	25 x 200	1.2	100	45
097.215.12*	100	32 x 200	1.4	50	68
097.215.14*	150	38 x 200	1.4	50	82

* Non DIN/ISO





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	Price / Piece
082.204.01	12 x 100	Round	5	100	44
082.204.02B	16 x 75	Round	5	100	73
082.204.02	16 x 100	Round	10	100	67
082.204.03	16 x 125	Round	15	100	77
082.204.04	16 x 160	Round	20	100	84
082.204.05	18 x 180	Round	30	100	87
082.204.06	20 x 100	Round	15	100	87
082.204.07	20 x 200	Round	40	100	90
082.204.08	22 x 200	Round	45	100	94
082.202.05	25 x 100	Round	30	100	93
082.202.06	25 x 150	Round	50	100	98
082.202.07	25 x 200	Round	60	100	98
082.204.13	38 x 200	Round	150	50	224

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	Price / Piece
082.279.05	5	16 x 75	Round	100	124
082.279.05A	10	16 x 125	Round	100	165
082.279.10	30	25 x 100	Round	100	180
082.279.10A	60	25 x 200	Round	100	235
082.279.13	150	38 x 200	Round	50	1052

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	Price / Piece
083.204.02C	5	16 x 50	Flat	100	67
083.202.01	5	18 x 45	Flat	100	60
083.202.02A	10	25 x 50	Flat	100	82
083.202.02AB	15	25 x 57	Flat	100	82
083.202.02B	20	25 x 72	Flat	100	87
083.202.03	30	25 x 95	Flat	100	93
083.202.04	40	25 x 145	Flat	100	98



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	Price / Piece
083.279.01	5	16 x 50	Flat	100	124
083.279.01A	5	18 x 45	Flat	100	124
083.279.02	10	25 x 50	Flat	100	170
083.279.03	15	25 x 57	Flat	100	170
083.279.04	20	25 x 72	Flat	100	200
083.279.06	30	25 x 95	Flat	100	210
083.279.06A	40	25 x 145	Flat	100	229



PS: Test Tubes in other sizes can be provided on request

Closure Cap for Test Tubes

- Made of Polypropylene



Item Code	Size for Tube (mm)	Pack of	Price /Piece
100.202.01	12	100	12
100.202.02	15	100	12
100.202.03	18	100	14
100.202.04	20	100	18
100.202.05	25	100	19

Disposable Glassware Culture Tube - Boro Glass 5.1

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

Salient Features:

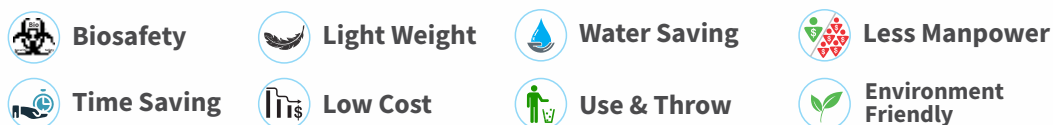
- Boro Glass 5.1 Expansion offers excellent chemically resistance
- Uniform dimensions
- High heat tolerance
- Convenient dispensing packages

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.



Item Code	O.D. x Height (mm)	Over Flow Volume (ml)	Pieces/Case	Price / Case
27729.566	6 x 50	0.75	2000	6403
27729.568	10 x 75	3	1000	3296
27729.570	12 x 75	5	1000	3642
27729.572	13 x 100	9	1000	4283
27729.574	15 x 85	10	1000	4659
27729.576	16 x 100	14	1000	5506
27729.578	16 x 125	18	1000	6837
27729.580	16 x 150	22	1000	7817
27729.583	18 x 150	28	500	5324
27729.584	20 x 150	34	500	6171
27729.586	25 x 150	60	500	7623

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



Disposable Glassware Culture Tube - Boro Glass 7.0

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.

Item Code	O.D. x Height (mm)	Over Flow Volume (ml)	Pieces/Case	Price / Case
20825.402	10 x 75	3	1000	2662
20825.406	12 x 75	5	1000	2766
20825.414	13 x 100	9	1000	3048
20825.425	16 x 100	11	1000	4061
20825.430	16 x 125	15	1000	5130
20825.435	16 x 150	20	1000	5767
20825.443	18 x 150	28	500	4002
20825.447	20 x 150	34	500	4708



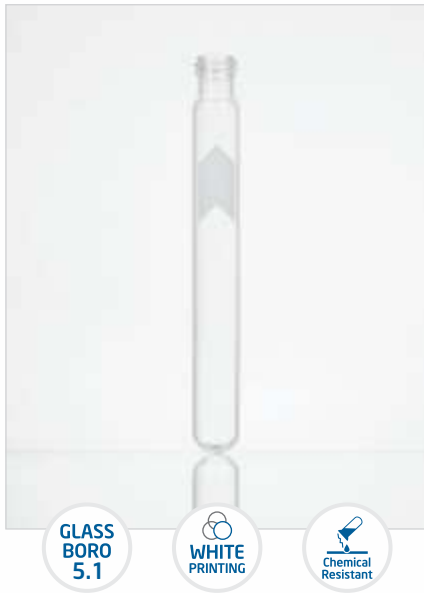
Tubes

Disposable Glassware Culture Tube with Screw Cap Finish - Boro Glass 5.1

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	Price / Case
23283.800	13 x 100	13-415	8	1000	10890
23283.802	16 x 100	15-415	12	1000	12947
23283.804	16 x 125	15-415	16	1000	14124
23283.806	16 x 150	15-415	20	1000	16243
23283.685	20 x 125	18-415	30	500	7792
23283.686	20 x 150	18-415	33	500	9181



Phenolic Caps, With Rubber Liner

Item Code	O.D. x Height (mm)	Thread Finish	Pieces/Case	Price / Case
23283.800C	13 x 100	13-415	1000	8239
23283.804C	16 x 125	15-415	1000	8828
23283.685C	20 x 125	18-415	1000	9416

Test Tube

- With Interchangeable Penny Head Glass Stopper

Item Code	Height x O.D. (mm)	Stopper Size	Pack of	Price / Piece
096.502.01	100 x 12	10/19	100	211
096.502.02	125 x 15	12/21	100	231
096.502.03	150 x 18	14/23	100	252
096.502.04	150 x 25	19/26	100	306
096.502.05	200 x 25	19/26	100	367
096.502.06	200 x 32	24/29	50	503
096.502.07	200 x 38	24/29	50	575



Test Tube

- With joint & Penny Head Glass stopper
- With Graduation

Item Code	Height x O.D. (mm)	Stopper Size	Capacity ml	Pack of	Price / Piece
095.502.00	100 x 12	10/19	5	100	244
095.502.03A	125 x 16	12/21	10	100	260
095.502.03B	150 x 18	14/23	20	100	272
095.502.03C	150 x 22	19/26	25	100	299
095.502.04A	150 x 25	19/26	30	100	320
095.502.04	200 x 25	19/26	50	100	333
095.502.05B	200 x 32	24/29	100	50	510
095.502.07	200 x 38	24/29	150	50	598





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	Price /Piece
091.202.15	36 x 205	29/32	10	548
091.202.17	39 x 205	29/32	10	548

Test Tube, Flat Bottom, Without Rim

- 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	Price /Piece
093.202.02	12 x 75	5	100	26
093.202.06A	18 x 138	22	100	56
093.202.06C	18 x 55	26	100	40
093.202.03A	13 x 110	10	100	47
093.202.07	18 x 100	18	100	52



Test Tube, Flat Bottom, Without Rim

- 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	Price /Piece
093.502.06B	14 x 110	5	100	46
093.502.05	16 x 96	22	100	50
093.502.06	18 x 55	26	100	41
093.502.07	18 x 100	10	100	52
093.502.09	18 x 138	18	100	56

Tube, Reaction

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

Item Code	Capacity (ml)	Socket	Pack of	Price /Piece
047.202.06	25	14/20	1	634



Brush, Test Tube

Item Code	Type	Material	Pack of	Price /Pack
593.303.02	Test Tube Brush	Nylon	50	5550

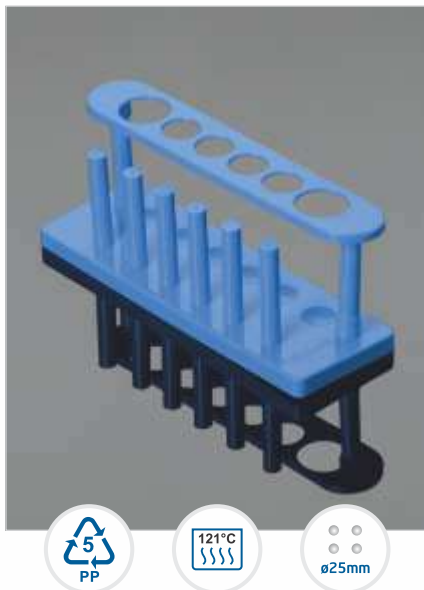




Test Tube Baskets

- 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	Price /Pack
167.303.01	140 x 120 x 110	6	775
167.303.02	160 x 160 x 160	6	1035
167.303.03	400 x 400 x 100	6	3300



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	Price /Pack
161.303.02	25 mm. Tubes	12	875

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	Price /Pack
163.303.01	13 mm x 31 Tubes	2	375
163.303.02	16 mm x 31 Tubes	2	375
163.303.03	20 mm x 20 Tubes	2	505
163.303.04	25 mm x 12 Tubes	2	375
163.303.05	25 mm x 18 Tubes	2	505
163.303.06	32 mm x 12 Tubes	2	590
163.303.07	25 mm x 36 Tubes	2	935
163.303.08	13 mm x 18 Tubes	4	480
163.303.09	15 mm x 18 Tubes	4	480
163.303.10	18 mm x 12 Tubes	4	480
163.303.11	13 mm x 62 Tubes	2	650
163.303.12	16 mm x 62 Tubes	2	650
163.303.13	20 mm x 40 Tubes	2	935
163.303.14	13 mm x 48 Tubes	2	515
163.303.15	13 mm x 72 Tubes	2	590

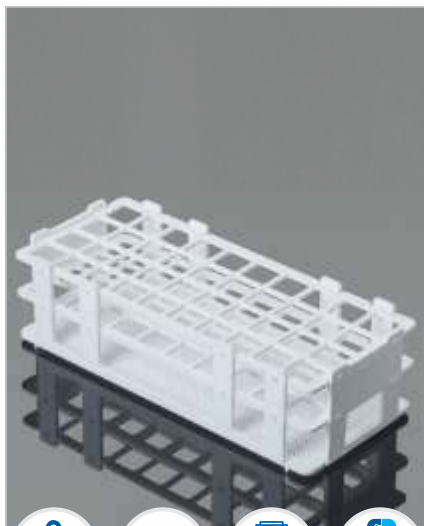




Test Tube Stand (3 TIER)

- 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	Price /Pack
164.303.01	13 mm x 31 Tubes	2	920
164.303.02	16 mm x 31 Tubes	2	920
164.303.03	20 mm x 20 Tubes	2	1035
164.303.04	25 mm x 12 Tubes	2	920
164.303.05	13 mm x 62 Tubes	2	1895
164.303.06	16 mm x 62 Tubes	2	1895
164.303.07	20 mm x 40 Tubes	2	2105
164.303.08	25 mm x 24 Tubes	2	1895
164.303.09	25 mm x 18 Tubes	2	1045
164.303.10	25 mm x 36 Tubes	2	2115
164.303.11	32 mm x 12 Tubes	2	16245



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	Price /Pack
166.303.01	13 mm. x 90 Tubes	6	1255
166.303.02	16 mm. x 60 Tubes	6	1255
166.303.03	20 mm. x 40 Tubes	6	1255
166.303.04	25 mm. x 24 Tubes	6	1255
166.303.05	30 mm. x 21 Tubes	6	1255

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

Centrifuge Tubes, Conical Bottom Graduated

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Uniform wall Thickness
- Strudy Lip

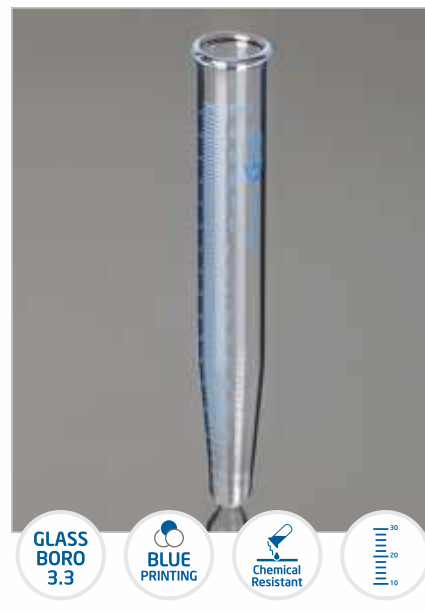
Item Code	Capacity (ml)	Height x O.D. (mm)	Pack of	Price / Piece
088.202.01	5	100 x 13	100	96
088.202.02	10	110 x 15	100	102
088.202.03	15	120 x 17	100	175
088.202.04	25	125 x 22	100	222
088.202.05	50	125 x 29	50	346
088.202.06	50	140 x 29	20	346

Centrifuge Tubes, Conical Bottom Graduated, With Screw Cap

New

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Uniform wall Thickness
- With Screw Cap

Item Code	Capacity (ml)	O.D. x Height (mm)	Pack of	Price / Piece
088.505.03	15	17 x 130	100	646
088.505.04	50	29 x 150	50	851



Centrifuge Tubes, Conical Bottom

- Made from ASTM E-438 Type-1 Class A, Boro 3.3 glass
- Uniform wall Thickness
- Strudy Lip

Item Code	Capacity (ml)	Height x O.D. (mm)	Pack of	Price / Piece
089.202.02	5	100 x 13	100	63
089.202.03	10	110 x 15	100	66
089.202.05	15	120 x 17	100	87
089.202.06	25	125 x 22	100	206
089.202.07	50	125 x 29	50	271



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	Price /Piece
094.202.01	12	16 x 110	100	136
094.202.02	30	24 x 110	100	172
094.202.03	40	28 x 110	50	198
094.202.04	50	30 x 110	50	211
094.202.05	100	45 x 110	50	297
094.202.07	200	55 x 116	50	436

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 lifting.



Item Code	Capacity (ml)	Pack of	Price /Pack
131.303.01	16 MCT'S of 1.5 ml.	12	2660

Centrifuge Tube 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	Price /Pack
135.303.01	15	100	1095
135.303.02	50	100	1290
135.303.03	15 Sterile	100	1090
135.303.04	50 Sterile	100	1620



Tube, Centrifuge, Round Bottom

- Made of Polypropylene & Polycarbonate
- Are strong enough to be used upto 50,000xG
- Autoclavable

Item Code	Capacity (ml)	Pack of	Price /Pack
136.303.01	16 ml. Tube PP.	50	2825
136.303.02	50 ml. Tube PP.	50	7305
136.303.03	16 ml. Tube PC.	50	5440
136.303.04	50 ml. Tube PC.	50	8060



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	Price /Pack
137.303.01	30	12	715
137.303.02	50	12	1375
137.303.03	100	12	1830

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	Price /Pack
165.305.03	30	4	1445
165.305.05	50	4	1445

Tube, Micro Centrifuge

- Made of Polypropylene
- Built in plugs make these tubes leakproof
- Used for transmitting sample for micro analysis

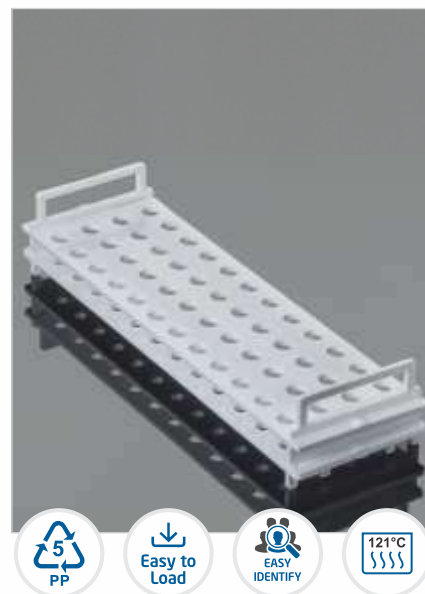
Item Code	Capacity (ml)	Pack of	Price /Pack
130.303.01	0.5	1000	1015
130.303.02	1.5	1000	1120



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	Price /Pack
165.303.03	100 Tubes	2	480





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	Price /Piece
202.202.01	Complete set comprising 5 items of Glassware	2445

Item Code	Components	29 BU/M
1	Pear shaped flask 50 ml	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.



Item Code	Description	Price /Piece
203.202.01	Complete set comprising 9 items of Glassware	3330

Item Code	Components	27 BU/M
1	Pear shaped flask 50 ml	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 1501 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	Price /Piece
207.202.01	Complete set comprising 16 items of Glassware	6660

Item Code	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., 50ml	24/29	-
9	Flask, Erlenmeyer, 250 ml	24/29	-
10	Flask, R.B., 250ml	24/29	-
11	Stopper	-	19/26
12	Stopper	-	19/26
13	Thermometer Pocket	-	14/23
14	Receiver adapter	19/26	-
15	Flask, R.B., 10ml	24/29	-
16	Stopper	-	24/29





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	Price /Pack
144.303.01	2.0	500	1820
144.303.02	5.0	500	2845



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	Price /Pack
142.303.02	16x100mm Ext. Thread	500	4890



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	Price /Pack
147.303.02	SV - 5 ml	500	3075

Caps for 9mm - 2ml Screw Neck Vials

Screw / PTFE

Product Code	Colour	Cap MOC	Septa MOC	Septa	Septa Mount/ Feature	Vial Pack	Vial Case Qty	Price Per Pack
086.205.02	Blue	PP	Silicone	Bonded	-	100	10x100	2050
086.206.02	Blue	PP	Silicone	Bonded	Pre-Slit	100	10x100	2050
086.206.03	Grey	PP	Silicone	Bonded	Certified	100	10x100	4000

Caps Certified 9mm-2ml Screw neck Vials

Product Code	Colour	Cap MOC	Septa MOC	Septa	Septa Mount/ Feature	Vial Pack	Vial Case Qty	Price Per Pack
086.206.03	Grey	PP	Silicone	Bonded	Pre-Slit	100	10x100	4250

9mm - Clear Screw Neck Vials

Product Code	Volume ml	Vial Colour	Write on Patch	Vial Dia mm	Vial Height	Vial Pack	Vial Case Qty	Price Per Pack
086.202.02	2	Clear	Yes	12	32	100	10x100	1550
086.278.02	2	Amber	Yes	12	32	100	10x100	2100



Glass Vials with closures (COMBIPACK)

9mm Screw Top Clear Vials made from Borosilicate USP Type I 49-Expansion glass with Closure Blue PP Cap PTFE-Silicone Septa

Product Code	Volume ml	Vial Colour	Write on Patch	Vial Dia mm	Vial Height	Vial Pack	Vial Case Qty	Price Per Pack
086.502.02	2	Clear	Yes	12	32	100	10x100	2950
086.504.02	2	Amber	Yes	12	32	100	10x100	3500

TOC Vials, Clear Glass

- 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	Price Per Pack
083.205.02	20	28x57	Clear	Bonded	1x72	Price on Request
083.205.04	40	28x95	Clear	Bonded cap with flip cover	1x72	Price on Request
083.206.02	20	28x57	Amber	Bonded	1x72	Price on Request
083.206.04	40	28x95	Amber	Bonded cap with flip cover	1x72	Price on Request



Vials

HEAD SPACE Vials

- Designed to use for High Pressure / Performance Liquid Chromatography (HPLC) and Gas Chromatography (GC) Applications.
- Crimp top vials consist of an Aluminum cap and PTFE / Silicon / Rubber Septum thus forms a superior seal and reduces evaporation.
- Optional with White Ceramic Writing Patch and fill marks for easy labelling.

Head Space Vials ND 20

Headspace vials with Crimp neck ND20 available with round or flat bottom are made of clear and amber Type 1 glass. The vials are available with a flat DIN crimp neck or with a bevelled neck (HS neck).

On the flat DIN crimp neck, liners have a greater contact surface, which ensures a better seal. A bevelled HS neck is required if the overpressure safety seal.



Code	Glass Color	Patch	Neck Type	D x H (mm)	Working Volume (ml)	Bottom Design	Finish	Special	Pack Unit	Price Per Pack
GW.HPVC20.01	Clear	-	ND20	22 X 38	5	Round	HS	-	100	2550
GW.HPVC20.02	Clear	-	ND20	22 X 38	5	Flat	HS	-	100	2550
GW.HPVC20.03	Clear	-	ND20	20 X 38	5	Flat	DIN	-	100	2550
GW.HPVC20.04	Clear	-	ND20	22.5 X 46	10	Round	DIN	-	100	3050
GW.HPVC20.05	Clear	-	ND20	22.5 X 46	10	Flat	DIN	Long Neck	100	3050
GW.HPVC20.06	Clear	-	ND20	20 X 54.5	10	Flat	DIN	-	100	3050
GW.HPVC20.07	Clear	-	ND20	22.5 X 75.5	20	Flat	DIN	Long Neck	100	3560
GW.HPVC20.08	Clear	-	ND20	22.5 X 75.5	20	Round	DIN	Long Neck	100	3560
GW.HPVC20.09	Clear	-	ND20	22.5 X 75.5	20	Round	HS	-	100	3460
GW.HPVC20P10	Clear	Yes	ND20	22.5 X 75.5	20	Round	HS	-	100	3460

Standard Caps for Head Space Vials ND 20

Code	Cap Color	Cap Design	Neck Type	Liner	Pack Unit	Price Per Pack
GW.V20.SC1	Silver	Open Top	ND20	Moulded Grey PTFE / Butyl	100	4200
GW.V20.SC2	Silver	Open Top	Nd20	Moulded Grey PTFE (Pharma Fix) / Butyl	100	4200

Magnetic Crimp Cap ND 20

Code	Cap Color	Cap Design	Neck Type	Liner	Pack Unit	Price Per Pack
GW.V20.GC1	Gold	Open Top	ND20	White PTFE/Blue Silicone Septa	100	6500
GW.V20.GC2	Gold & Silver	Open Top	ND20	Natural PTFE/Natural Silicone Septa	100	6500



Pressure Release Cap for Headspace Vials ND 20

Code	Cap Color	Cap Design	Neck Type	Liner	Pack Unit	Price Per Pack
GW.V20.SC5	Silver	Open Top	ND20	Moulded Grey PTFE/Butyl Septa	100	4500



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	Price /Pack
149.303.01	Rack for 90 vials of 8 ml	2	1640
149.303.02	Rack for 50 vials of 20 ml	2	1050

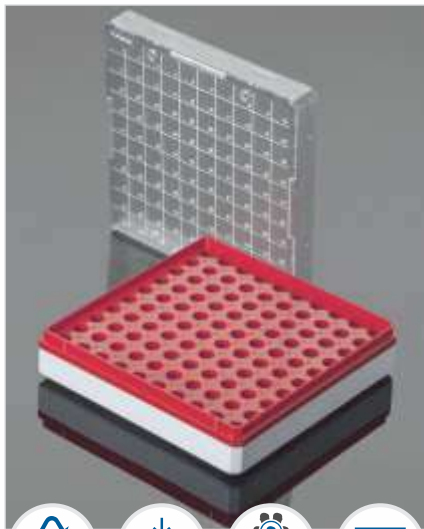


Cryo Rack

- 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	Price /Pack
153.303.01	50 places for 1, 1.8 and 4.5 ml Cryo vials	2	1010





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	Price /Pack
133.303.01	Rack for 96 PCR Tubes of 0.2 ml	4 pc	1430



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) Micro tubes & cryovials	Dim (LxWxH)	Material	Pack of	Price / Pack
155.303.01	81 places for 1ml & 1.8ml	132x132x50	PP	8	1690
155.303.02	100 places for 1ml & 1.8ml	132x132x50	PP	8	1690
155.303.03	81 places for 1.5ml & 2ml	132x132x50	Cardboard	8	1810
155.303.04	100 places for 1.5ml & 2ml	132x132x50	Cardboard	8	1810

Water Stills are carefully designed to produce high purity pyrogen free distilled water.

Unit consist of :

- a) Horizontal type boiler borosilicate glass
- b) Condenser
- c) Constant level device
- d) Silica sheathed (Quartz) heater
- e) 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	Price / Piece
GLWS15SG	1.5	1	23430
GLWS25SG	2.5	1	36850
GLWS40SG	4	1	42460

Spares for above Distillation unit

Cat No.	Output Capacity Ltr / Hr	Description	Pack Size	Price / Piece
GLWS-SH-15BCS	1.5	Boiling Chamber with Leveller	1	6455
GLWS-SH-25BCS	2.5	Boiling Chamber with Leveller	1	9020
GLWS-SH-40BCS	4	Boiling Chamber with Leveller	1	15400
GLWS-SH-15BCC	1.5	Coil Condenser	1	5080
GLWS-SH-25BCC	2.5	Coil Condenser	1	9010
GLWS-SH-40BCC	4	Coil Condenser	1	13745
GLSI-SH-HS15	1.5	Silica Sheathed (Quartz) Heater	1	6345
GLSI-SH-HS25	2.5	Silica Sheathed (Quartz) Heater	1	8445
GLSI-SH-HS40	4	Silica Sheathed (Quartz) Heater	1	10935

Water Distillation

**Double Stage Water Distillation all Glass
Horizontal Model with inbuilt **safety cutoff****



Cat No.	Output Capacity Ltr / Hr	Pack Size	Price / Piece
GLWS15DG	1.5	1	42130
GLWS25DG	2.5	1	77660
GLWS40DG	4	1	86350

Spares for above Distillation unit

Cat No.	Output Capacity Ltr / Hr	Description	Pack Size	Price / Piece
GLWS-SH-15BCS	1.5	Boiling Chamber with Leveller	1	6455
GLWS-SH-25BCS	2.5	Boiling Chamber with Leveller	1	9020
GLWS-SH-40BCS	4	Boiling Chamber with Leveller	1	15400
GLWS-SH-15BCC	1.5	Coil Condenser	1	5080
GLWS-SH-25BCC	2.5	Coil Condenser	1	9010
GLWS-SH-40BCC	4	Coil Condenser	1	13745
GLSI-SH-HS15	1.5	Silica Sheathed (Quartz) Heater	1	6345
GLSI-SH-HS25	2.5	Silica Sheathed (Quartz) Heater	1	8445
GLSI-SH-HS40	4	Silica Sheathed (Quartz) Heater	1	10935

Single Stage, Water Distillation, Quartz Boiler/Borosilicate Condenser, Vertical Model **without safety cutoff**

Unit consist of :

- High purity quartz with inbuilt heater
- Bottom discharge joint for easy cleaning
- Spiral condenser is fitted on the boiler with receiving adapter
- Optional safety control unit provided



Conductivity	1. 0-1.5 uS/cm with Borosilicate Condenser 0.5-0.8 uS/cm with Quartz Condenser
Distilled Water Quality	Pyrogen Free
Distillate Temperature	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 proof 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	Price / Piece
GLSD25BB	2.5	1	38170
GLSD50BB1	5	1	72160
GLSD80BB	8	1	124630
GLSD100BB	10	1	163130

Spares for above Distillation unit

Cat No.	Output Capacity Ltr / Hr	Description	Pack Size	Price / Piece
GLSD-25-QBS	2.5	Quartz boiling chamber	1	26565
GLSD-50-QBS	5	Quartz boiling chamber	1	51260
GLSD-80-QBS	8	Quartz boiling chamber	1	87030
GLSD-100-QBS	10	Quartz boiling chamber	1	91650
GLSD-25-BCC	2.5	Borosilicate Coil Condenser	1	5175
GLSD-50-BCC	5	Borosilicate Coil Condenser	1	16910
GLSD-80-BCC	8	Borosilicate Coil Condenser	1	18480
GLSD-100-BCC	10	Borosilicate Coil Condenser	1	34910

Accessories for above Distillation unit

Cat No.	Output Capacity Ltr / Hr	Pack Size	Price / Piece
GLSI-SCU-1	2.5 & 5	Safety Cut-off Device	15710
GLSI-SCU-2	8 & 10	Safety Cut-off Device	28530

Water Distillation

Single Stage, Water Distillation, Quartz boiler & Quartz condenser, vertical model **without safety cutoff**



Cat No.	Output Capacity Ltr / Hr	Pack Size	Price / Piece
GLSD25AQ	2.5	1	65340
GLSD50AQ	5	1	123530
GLSD80AQ	8	1	188100

Spares for above models :

Cat No.	Output Capacity Ltr / Hr	Description	Pack Size	Price / Piece
GLSD-25-QBS	2.5	Quartz Boiler	1	26565
GLSD-50-QBS	5	Quartz Boiler	1	51260
GLSD-80-QBS	8	Quartz Boiler	1	87030
GLSD-25-QCC	2.5	Quartz Coil Condenser	1	26565
GLSD-50-QCC	5	Quartz Coil Condenser	1	60520
GLSD-80-QCC	8	Quartz Coil Condenser	1	103140

Accessories for above Distillation unit

Cat No.	Output Capacity Ltr / Hr	Pack Size	Price / Piece
GLSI-SCU-1	2.5 & 5	Safety Cut-off Device	15710
GLSI-SCU-2	8 & 10	Safety Cut-off Device	28530



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	Price / Piece
GLDD15AQ	1.5	1	107635
GLDD25AQ	2.5	1	189200
GLDD40AQ	4	1	314875
GLDD50AQ	5	1	347600

Spares for above models :

Cat No. Size	Output Capacity Ltr / Hr	Description	Pack	Price / Piece
GLDD-15AQ-PB	1.5	Quartz Primary Boiler	1	26840
GLDD-25AQ-PB	2.5	Quartz Primary Boiler	1	33440
GLDD-40AQ-PB	4	Quartz Primary Boiler	1	52620
GLDD-50AQ-PB	5	Quartz Primary Boiler	1	53775
GLDD-15AQ-SC	1.5	Quartz Secondary Boiler	1	102520
GLDD-25AQ-SC	2.5	Quartz Secondary Boiler	1	145295
GLDD-40AQ-SC	4	Quartz Secondary Boiler	1	281240
GLDD-50AQ-SC	5	Quartz Secondary Boiler	1	288170
GLSI-SCU-15AQ	1.5	Safety Cut-off Device	1	16720
GLSI-SCU-25AQ	2.5	Safety Cut-off Device	1	16720
GLSI-SCU-40AQ	4	Safety Cut-off Device	1	28600
GLSI-SCU-50AQ	5	Safety Cut-off Device	1	28600

Water Distillation

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 (CO₂) 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.

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	Price / Piece
GLCM20S	2	Single	1	68310
GLCM40S	4	Single	1	81565
GLCM20D	2	Double	1	105930
GLCM40D	4	Double	1	136840

Spares for above Distillation unit

Cat No.	Output Capacity Ltr / Hr	Description	Pack Size	Price / Piece
GLCM-20BCS	2	Boiling Chamber with Leveller for GLCM-20S &GLCM-20D	1	15435
GLCM-40BCS	4	Boiling Chamber with Leveller for GLCM-40S &GLCM-40D	1	18710
GLCM-20BCC	2	Coil Condenser for GLCM-20S & GLCM-20D	1	15435
GLCM-40BCC	4	Coil Condenser for GLCM-40S & GLCM-40D	1	18710

Accessories for above Distillation unit

Cat No.	Output Capacity Ltr / Hr	Description	Pack Size	Price / Piece
GLSI-SH-HS	2	Silica Sheathed (Quartz) Heater for GLCM-20S, GLCM-40S, GLCM-20D & GLCM-40D	1	7855

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 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.



Cat No.	Description	Pack Size	Price Per Piece
GI000200	Water Softener	1	31800

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- Prices are subject to change without notice. Prices applicable on the date of supply shall be valid.
- Invoices are to be paid immediately or as per the agreed credit terms.
- The price contains the standard quantities per pack for each item. It is desirable that orders are placed in multiples thereof.
- Every effort shall be made to maintain quoted delivery dates. However, due to the risks and nature of working with the glass, these dates are not in any way binding. Our contractual obligation to our customers is subject to correct and prompt deliveries from our suppliers.
- No goods should be returned to us without our prior approval.
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- Freight Cost will be additional to the quoted price.
- IQ/PQ/OQ certifications will be charge extra as per instrument category.
- Installation : All the instruments covered in this price list can be installed by the user with the help of instruction manual supplied with the equipment. In case Company's technical representative has to undertake the installation, charges will be extra and shall be quoted on case-to-case basis.
- Delivery : Will be effected Ex-Ambala Cantt within 4-6 weeks from the date of receipt of the order complete in all respect. Exact delivery period will be intimated in the order acknowledgement. For specially manufactured items, delivery period will be more than 6 weeks.
- During warranty period replacement of mechanical & electrical components if any will be done free of cost. However, component replacement if any, cause of wear and tear like rubber components, flexible hose, breakable glass components and consumbles like membrane, crucible etc will not be covered under warranty.
- The warranty does not include damage created in the instrument/electronic/ heaters due to very high voltage spikes, lighting, surge voltage, etc which is out of scope of our control. Warranty does not cover damages created due to natural calamities like fire, flood etc.

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