Manufacturers of Laboratory Glassware
and Laboratory Equipment

# BOROSIL®

enabling the future of science

PROUDLY MADE IN india

# PRICELIST 2022-23

Effective from 1st February 2022

BOROSIL® enabling the future of science | BOROSIL KLASSPACK® pharmaceutical packaging | LABQUEST BY BOROSIL® | BOROSIL® TECHNOLOGIES | BOROSIL® Love For Science

# MISSION & VISION

Our mission is to emerge as a preferred vendor for laboratory glassware in the domestic as well as international markets. We would also develop a complimentary range of laboratory consumables in our product portfolio.

While in this wonderful journey we want to enhance our marketing capabilities, continuously improve our quality and services, invest in our people, yield profits for our stake holders and be socially responsible.

# Message from the Managing Director's Desk

Dear Customer,

Having overcome one of the most difficult periods in all our lives in recent times, the world is looking forward to new innovations that can improve the quality of our lives going forward. In addition to the significant personal and economic losses brought about by the pandemic, the disruption of the global supply chain and significant delays and increase in costs have also been a result of Covid 19.

In order to help customers with both the above challenges, our theme for 2022-23 is 'Innovation' and 'Being Vocal for Local'.

At Borosil we are committed to innovation that provides our scientific community with tools & technologies that will make their lives easier. These come in shape of new product developments that increase throughput and accuracy in your laboratory. To this end, we have developed new instruments under the 'LabQuest' brand as well as improved concepts of glassware.

In Lab Essentials, we've revamped the entire water bath portfolio based on inputs from users. Borosil water baths now come with an incredible temperature control of ± 0.1 with capacities up to 60 litres. The micropipette range now includes the mid segment C2 series. Users can now choose from the economical C3 range right up to the reference C1 series.

Our nitrogen estimation systems have gained wide acceptance. Across labs customers are switching from traditional setup's to customized solutions. From single position units to touch screen enabled fully automated units with auto sample loaders, the portfolio has become a more than a worthy alternative to pricey imports and is today a product of choice for many customers.

Keeping in line with our tryst for innovation and value addition, the Lab Glassware now includes a range of LIMS compatible QR code on the glassware. We believe that the future is QR coded glassware which will transform your laboratory into a smart and digitized lab.

In addition, we are also very happy to announce our partnership with Hahnemühle Fine Art Germany, the pioneers of filter papers since 1883. Through this partnership, we will endeavor to bring the highest quality of filter papers, including glass fiber filters, to the Indian market.

From the point of view of 'Being Vocal for Local', we are incredibly proud to announce a new capex of more than Rs 100 crores for manufacturing 3.3 expansion borosilicate tubing in India. Complete with platinum feeders for the highest quality, we expect this project to protect our supply chain for the decades ahead as well as keeping India on the map as a major source of specialty glassware for the pharmaceutical industry.

Finally, we have also launched a revamped website borosillab.com , a platform to enhance your experience with Borosil.

Yours truly,
**Shreevar Kheruka**
Managing Director

# BOROSIL®

## Quality Policy

"We, at Borosil Limited, are committed to understanding our customers' needs and fulfilling the same on time every time.

By bringing the voice of our customers inside the organization, we strive to be our customers' #1 preferred brand.

We are committed to achieving the highest level of customers satisfaction through improvements in quality of our products & services.

We believe in continual improvements and innovation in our business and manufacturing processes. We strive to ensure that our team achieves the highest quality output in the most efficient manner possible.

This will be achieved by our total commitment to:

- Communication with our customers to understand their needs
- Continuously updating our technical competence, system and processes
- Enhancing the expertise of our people by periodic training & reviews.
- Preserving our corporate values"

This policy will be available to all interested parties where appropriate

**Shreevar Kheruka**
Managing Director

Date : 01.05.2018

# ISO Certification

Certified for ISO 9001:2015 quality management system to ensure that our products are reliable, safe, consistent, meet customer expectations, continuously improve and comply with the law

CERTIFICAT ■ CERTIFICATE ■ ZERTIFIKAT ■ CERTIFICADO ■ СЕРТИФИКАТ ■ 認證證書 ■ 認证证书 ■ CERTIFICAT

Management Service

**CERTIFICATE**

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

**BOROSIL**

**Borosil Limited**
**1101, Crescenzo, G-Block, Opp. MCA Club,**
**Bandra Kurla Complex, Bandra (E) Mumbai - 400 051, INDIA**

has established and applies
a Quality Management System for

**Marketing & Supply of Scientific &**
**Industrial Glass Product and Service of Laboratory Equipments.**

An audit was performed, Order No. **4153577069.**
Proof has been furnished that the requirements
according to

**ISO 9001:2015**

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2021-09-13** until **2024-09-12.**
Certificate Registration No.: **12 100 15305/01 TMS.**

Head of Certification Body
Munich, 2021-09-17

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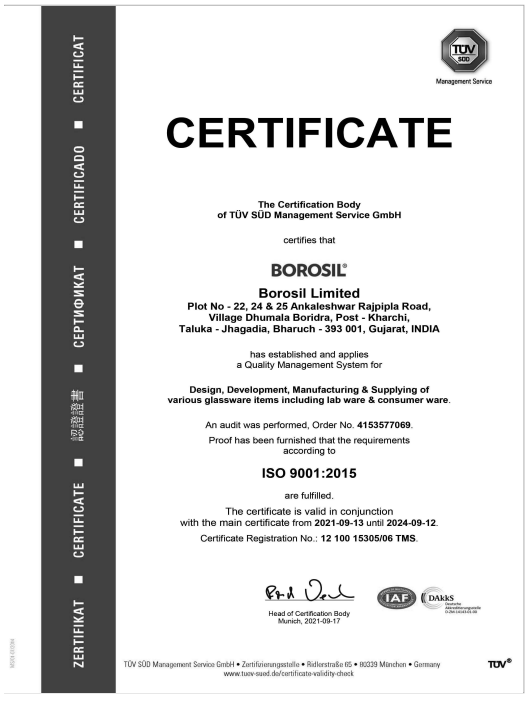

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Management Service

**CERTIFICATE**

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

**BOROSIL**

**Borosil Limited**
**Plot No - 22, 24 & 25 Ankaleshwar Rajpipla Road,**
**Village Dhumala Boridra, Post - Kharchi,**
**Taluka - Jhagadia, Bharuch - 393 001, Gujarat, INDIA**

has established and applies
a Quality Management System for

**Design, Development, Manufacturing & Supplying of**
**various glassware items including lab ware & consumer ware.**

An audit was performed, Order No. **4153577069.**
Proof has been furnished that the requirements
according to

**ISO 9001:2015**

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2021-09-13** until **2024-09-12.**
Certificate Registration No.: **12 100 15305/06 TMS.**

Head of Certification Body
Munich, 2021-09-17

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TÜV NORD

CERTIFICATE

Management system as per
**ISO 9001 : 2015**

in accordance with TÜV NORD CERT procedures, it is hereby certified that

**BOROSIL TECHNOLOGIES LIMITED**
**S.No. 234, 235, 245, First Floor, Plot No.8,**
**Indialand Global Industrial Park, Hinjewadi Phase 1,**
**Tal: Mulshi, Pune - 411 057, Maharashtra,**
**India**

applies a management system in line with the above standard for the following scope

**Design, Development, Manufacture & Supply of Scientific Laboratory Equipments & Instruments**

Certificate Registration No.44 100 20202930 Valid from 31.07.2020
Audit Report No.2.5-3640/2020 Valid until 30.07.2023

Certification Body
at TÜV NORD CERT GmbH Mumbai, 31.07.2020

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langemarckstrasse 20 45141 Essen www.tuev-nord-cert.com

TUV India Pvt. Ltd., 501, Raheja Plaza – 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India www.tuv-nord.com/in

# ISO/TC 48

International Organization for Standardization

We take the pride to mention that **BOROSIL**
represents India on
**ISO/TC 48 - Technical Committee**
**for Laboratory equipment and apparatus.**

# NABL Accredited Testing Laboratory

**Operated by trained and certified lab technicians**

**BOROSIL** offers a range of glassware certified as per NABL norms

- Volumetric Flasks
- Measuring Cylinders
- Burettes
- Volumetric & Graduated Pipettes

## NABL Accreditation Certificate

National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

BOROSIL LIMITED, CALIBRATION LABORATORY

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

22/24, ANKLESHWAR RAJPIPLA ROAD, VILLAGE-DUMALA, BORIDRA, POST-KHARCHI, TALUKA-JHAGADIA, BHARUCH, GUJARAT, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2919

Issue Date: 03/02/2021. Valid Until: 02/02/2023

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.

Name of Legal Identity : BOROSIL LIMITED

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

## NABL Product Certificate

BOROSIL

BOROSIL LIMITED
CALIBRATION LABORATORY
CALIBRATION CERTIFICATE

- Product details
- Calibration details
- Calibration Equipment traceability
- Statement for recalibration

# BOROSIL®

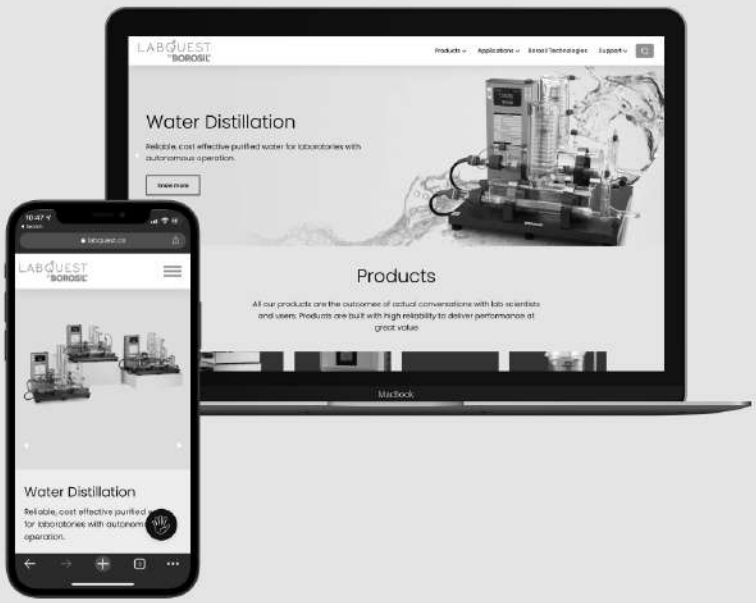
enabling the future of science

We are happy
to announce that
**OUR NEW WEBSITE for**

## Laboratory Glassware Products

is now **LIVE!**

LABQUEST
BY BOROSIL®




## Labquest.co is now live.

Head over to our website for the latest product introductions and updates in lab instruments

**Visit Labquest.co Website**

**NEW VERSION IS LIVE**

Update the BOROSIL app now!

# TWO EASY OPTIONS

TO DOWNLOAD THE CERTIFICATE

SCAN
**QR CODE**

ENTER
**UID CODE**

## Individual calibration certificate

**BOROSIL®**
**Borosil Limited**
(Was wholly owned Subsidiary of Borosil Glass Works Ltd and formerly known as Hopewell Tableware Ltd)
CIN : U36100MH2010PLC292722
**Corporate & Registered Office :**
1101, Crescenzo, G-Block, Opp. MCA Club, Bandra Kurla Complex, Bandra (E), Mumbai - 400 051, Maharashtra, India
**Tel** : +91 22 6740 6300 **Fax** : +91 22 6740 6514 **Email** : lab.customercare@borosil.com **Website** : www.borosil.com

**Class "A" TEST CERTIFICATE**

**Certificate No.** : 2020-02-M3-17454 **Date :** 20-Feb-2020
**Test Method** : Gravimetric Method based on ASTM E542
**Item Tested** : VOLUMETRIC FLASK-100 ml
**Catalogue No.** : 5645 USP DC 118 151Z 100.00 ml
**Code No.** : DC 118 151Z
**Item Tested On** : 20-Feb-2020
**Nominal Volume** : 100.00 ml
**Tolerance** : ± 0.08 ml
20-Feb-2020 16:40

The Product was found to contain the following volume at 20 °C
**Certified Volume** : 100.00 ml
**Delivery Time** : N/A
This Product has been calibrated with following devices:
**Balance** : Make :Sartorius, S.N.:25405822, Range:0-1000 g, LC:0.001 g
**Thermometer** : Make :Greisinger, S.N.:TS PR 10, Range:15-35 °C, LC:0.1 °C
All the above devices have valid calibration traceable to NPL (National Metrology Institute), India; traceable to CIPM France.
The above product has been examined for compliance to ASTM E288, Class A.
It has been found to satisfy the specified requirements.The above item has been calibrated at 23.3 °C at RH 44.0 %.
The above calibration result is valid at the time of calibration under lab condition.
This report shall not be reproduced, except in full,unless with written permission from **M/s Borosil Limited.**

**Calibrated by** : SYP
**Date of issue** : 29-Feb-2020

Authorised Signatory
**Whole Time Director**
Borosil Limited

Individual Calibration Certificate can also be accessed on www.borosil.com

# Foreword

Borosil Limited presents to you, this Borosil Scientific and Laboratory Glassware Pricelist. Unless specific arrangements have been made to the contrary, the prices contained in this Pricelist are applicable to all goods despatched on or after **February 01, 2022**

This Pricelist supersedes all previous prices. All prices stated herein are the recommended maximum price per piece in INR, and are exclusive of All Taxes, Goods and Services Tax (GST), any delivery charges, other statutory and non-statutory levies. The dealers are at liberty to charge prices lower than those stipulated herein.

# Customised Glassware

We undertake the manufacture of special glassware to agreed specifications. Please send us your queries at the address below, including complete details of specifications, and drawings wherever possible. We would be pleased to assist you in formulating specifications within normal working tolerances. Usually, we only accept orders with a minimum ex-works value of INR 10,000/-.

**Corporate Office :**
**Borosil Limited**
Crescenzo, G-Block, Opp. MCA Club,
Bandra Kurla Complex,
Bandra (E), Mumbai - 400 051, India
Tel : 022 - 6740 6300
Fax : 022 - 6740 6514
Email : lab.customercare@borosil.com

# Conditions of Sale

At Borosil, it is our policy to market our laboratory glassware through our wide network of Authorised Dealers. Strategically located all over India, they are best equipped to satisfy the individual requirements of users across the nation. The products supplied will usually be in accordance with illustrations and descriptions however, **Borosil reserves the right to make alterations and modifications depending upon circumstances and/or changes in official specifications, or as a result of design improvements.**

Although the products are guaranteed for glass quality and workmanship, Borosil shall not be liable for any loss or damage or injury, arising directly or indirectly from the use of these products.

The images given in the Pricelist are for reference purpose only.
Actual products may differ from the images.

| | Cat No. | Pg. No. |
|---|---|---|
| **A** | | |
| **APPARATUS** | | |
| Arsenic determination apparatus As per USP | 5200 | 56 |
| Arsenic determination apparatus GUTZEIT | 5201 | 56 |
| Arsenic determination apparatus as per BP | 5202 | 56 |
| Arsenic determination apparatus as per IP | 5203 | 56 |
| Arsenic determination apparatus GUTZEIT as per IS | 5204 | 56 |
| Arsenic determination apparatus as per JP | 5205 | 56 |
| Arsenic determination apparatus as per EP | 5206 | 57 |
| Oxygen combustion as per USP | 5210 | 57 |
| Methoxy determination assembly as per USP | 5211 | 57 |
| Sulphur Di-oxide assembly as per USP | 5212 | 57 |
| Sodium Alginate Assembly as per USP | 5215 | 57 |
| RM Value apparatus | 3454 | 36 |
| Dean Stark apparatus as per IP | 3602 | 36 |
| Gas generator apparatus, KIPPS | 6550 | 74 |
| **ADAPTERS** | | |
| Adapters, Enlarging, Connecting | 8800 | 85 |
| Adapters, Reduction, Connecting | 8820 | 85 |
| Adapters, Receiver Bent With Vaccum Connection | 8830 | 85 |
| Adapters, Multiple With Two Necks Parallel | 8831 | 85 |
| Adapters, Multiple With Two Necks - one vertical & one at 45° | 8832 | 86 |
| Adapters, Multiple with three Neck, Two Parallel & one at 45° | 8833 | 86 |
| Adapters, Swan Neck | 8834 | 86 |
| Adapters, Cone / Rubber Tubing | 8835 | 86 |
| Adapters, Cone / Flexible Tubing | 8836 | 86 |
| Adapters, Receiver, Straight socket to rubber | 8837 | 87 |
| Adapters, Receiver, Straight with Vacuum | 8838 | 87 |
| Adapters, Receiver, Bend with vent | 8839 | 87 |
| Adapter cones screw thread | 8840 | 87 |
| Slopping Plane still head | 8841 | 88 |
| Adapter receiver | 8844 | 88 |
| Adapter receiver, Plain bent | 8845 | 88 |
| Adapter recovery Bent with slopping end | 8846 | 88 |
| Adapter recovery Bent vertical | 8847 | 89 |
| Claisen head slopping | 8849 | 89 |
| Adapter receiver plain, vertical | 8850 | 89 |
| Splash head, vertical pear shape | 8851 | 89 |
| Splash head slopping pear shape | 8852 | 89 |
| Steam distillation heads | 8853 | 90 |
| Adapter straight cone with stopcock | 8854 | 90 |
| Adapter straight socket with stopcock | 8855 | 90 |
| Adapter bend cone with stopcock | 8856 | 90 |
| Adapter bend socket with stopcock | 8857 | 90 |
| Thermometer Pocket Long Type | 8861 | 91 |
| Thermometer Pocket Short Type | 8862 | 91 |
| **B** | | |
| **BEAKERS** | | |
| Beaker, Low form with spout | 1000 | 13 |
| Beaker, Tall form without spout | 1040 | 13 |
| Beaker, Tall form with spout | 1060 | 13 |
| Beaker, Phillips (Conical) with spout | 1080 | 13 |

| | Cat No. | Pg. No. |
|---|---|---|
| **BOTTLES** | | |
| Aspirator Bottles with GL 45 Cap and Tubulation | 1220 | 14 |
| Aspirator Bottles with GL 45 cap and socket | 1240 | 14 |
| Aspirator Bottles with GL 45 cap and I/C stopcock | 1245 | 14 |
| B.O.D. Bottles | 1250 | 14 |
| Roux Bottles | 1290 | 15 |
| Bottles, Reagent, narrow mouth, with I/C stopper | 1500 | 15 |
| Bottles, Reagent, narrow mouth, with screw cap | 1501 | 15 |
| Screw caps with pouring rings | 1503 | 15 |
| High temperature resistant screw caps | 1505 | 16 |
| Bottles, Reagent, wide mouth, Square | 1506 | 16 |
| Bottles, Reagent, narrow mouth, with I/C stopper, Amber | 1509 | 16 |
| Bottles, Reagent, narrow mouth, with screw cap, Amber | 1519 | 16 |
| Bottles, tooled neck, Solution bottle | 1585 | 17 |
| Bottles, tooled neck, Solution bottle, Amber | 1589 | 17 |
| Bottle, relative density, with capillary, With Certificate | 1624 | 17 |
| Bottle, relative density, with capillary | 1625 | 17 |
| Bottle, Pyknometer, with thermometer and capillary side tube | 1627 | 18 |
| Bottles, weighing, with interchangeable lids | 1630 | 18 |
| Bottles, weighing, with interchangeable Amber | 1631 | 18 |
| Bottles, dropping with dropper and rubber teat | 1640 | 18 |
| Bottles dropping with pipette and rubber teat, Amber | 1650 | 18 |
| Bottles, wash, set with interchangeable stopper | 1660 | 19 |
| Bottles, stopper for wash bottles cat no. 1660 | 1661 | 19 |
| Bottles, flasks for wash bottles cat no. 1660 | 1662 | 19 |
| Bottles, plastic clamp for joint fittings | 1665 | 19 |
| Bottles, wash, LDPE plastic bottles | 166P | 19 |
| Bottles, for gas washing | 1760 | 20 |
| Bottles, for gas washing bottle, cat no. 1760 | 1762 | 20 |
| Stopper for gas washing bottle, cat no. 1760 | 1761 | 20 |
| Gas sampling tubes | 1764 | 20 |
| Impinger | 1765 | 20 |
| **BURETTES** | | |
| Burettes with Boroflo stopcock, Class A | 2121 | 22 |
| Burettes with Boroflo stopcock, Class B | 2122 | 22 |
| Burettes With Glass stopcock, Class A | 2123 | 22 |
| Burettes With Glass stopcock, Class B | 2124 | 22 |
| Burettes With PTFE stopcock, Class A | 2129 | 23 |
| Burettes With PTFE stopcock, Class B | 2130 | 23 |
| Burettes with Boroflo stopcock, Class A, Amber | 2131 | 23 |
| Burettes with Boroflo stopcock, Class B, Amber | 2132 | 23 |
| Autoburettes with Glass stopcock, Class A | 2149 | 23 |
| Autoburettes with Glass stopcock, Class B | 2150 | 23 |
| Autoburettes with Glass stopcock, Class A, Amber | 2149A | 24 |
| Autoburettes with Glass stopcock, Class B, Amber | 2150A | 24 |
| Autoburettes with PTFE stopcock, Class A | 2153 | 24 |
| Autoburettes with PTFE stopcock, Class B | 2154 | 24 |
| Autoburettes with PTFE stopcock, Class A, Amber | 2153A | 25 |

| BURETTES | Cat No. | Pg. No. |
|---|---|---|
| Autoburettes with Glass stopcock, Class A, Amber | 2154A | 25 |
| Autoburettes with Boroflo stopcock, Class A | 2155 | 25 |
| Autoburettes with Boroflo stopcock, Class B | 2156 | 25 |
| Autoburettes with Boroflo stopcock, Class A, Amber | 2155A | 26 |
| Autoburettes with Boroflo stopcock, Class B, Amber | 2156A | 26 |

## C

| CONES | | |
|---|---|---|
| Cones, Imhoff, Sediment, Sharp Tip | 2160 | 27 |
| Cones, Imhoff, Sediment, Blunt Tip | 2180 | 27 |
| Cones, Plain Shank, Single | 6560 | 73 |
| Cones, Plain Shank, Double | 6561 | 73 |

| CONDENSERS | | |
|---|---|---|
| Condensers, Liebig, with sealed Inner Tube | 2340 | 27 |
| Condensers, Liebig, Drip Tip | 2400 | 27 |
| Condensers, Allihn, Drip Tip | 2480 | 28 |
| Condensers, Graham, Coiled Drip Tip | 2560 | 28 |
| Condensers, Friedrichs, Drip Tip | 2640 | 28 |
| Condensers, Double surface | 2641 | 28 |

| CHROMATOGRAPHY COLUMNS | | |
|---|---|---|
| Chromatography Column, Plain With Glass Stopcock | 6100 | 69 |
| Chromatography Column, Plain With Sintered Disc and Glass Stopcock | 6101 | 69 |

| CYLINDERS | | |
|---|---|---|
| Nessler Cylinders | 2975 | 29 |
| Cylinders Class A, Hexagonal Base, with I/C Stopper | 2981 | 29 |
| Cylinders Class B, Hexagonal Base, with I/C Stopper | 2982 | 29 |
| Cylinders USP, Class A, Hexagonal Base, with I/C Stopper | 2983 | 30 |
| Cylinders Class A, Hexagonal base, Pour out | 3021 | 30 |
| Cylinders Class B, Hexagonal base, Pour out | 3022 | 30 |
| Cylinders ASTM Class A, Hexagonal base, Pour out | 3026 | 31 |
| Cylinders ASTM Class B, Hexagonal base, Pour out | 3027 | 31 |
| Cylinders, Tapped Density Cylinder As Per USP, Ch. 616, set of two | 3032 | 31 |
| Cylinders, Tapped Density Cylinder As Per USP, Ch. 616, 100ml | 3033 | 32 |
| Cylinders, Tapped Density Cylinder As Per USP, Ch. 616, 250ml | 3034 | 32 |
| Cylinders, Rain Measure | 3070 | 32 |

## D

| DESICCATORS | | |
|---|---|---|
| Desiccators with Cover and Porcelain Plate, Plastic Knob | 3082 | 33 |

| | Cat No. | Pg. No. |
|---|---|---|
| **DESICCATORS** | | |
| Desiccators with Vacuum, Stopcock with PTFE Spindle, and Porcelain Plate | 3083 | 33 |
| Desiccators with Cover and Porcelain Plate, Plastic Knob, Amber | 3084 | 33 |
| Desiccators with Vacuum stopcock with PTFE spindle and Porcelain plate, Amber | 3085 | 33 |
| **DISHES** | | |
| Dishes, Crystallizing | 3140 | 34 |
| Dishes, Culture, Petri | 3160 | 34 |
| Dishes, Culture Petri, Borosil S-Line | 3165 | 34 |
| Trays, Drying Heavy Wall | 3170 | 34 |
| Dishes, Evaporating, Flat Bottom, With Pour Out | 3180 | 34 |
| **DISTILLING APPARATUS** | | |
| Graham Condenser, I/C Joints | 3340 | 35 |
| Graham Condenser, I/C Joints and Stopper | 3360 | 35 |
| Friedrichs Condenser I/C joint and stopper Friedrichs | 3380 | 35 |
| Condenser, Compact, I/C joint and stopper | 3440 | 35 |
| Essential Oil Determination Apparatus (Clevenger Apparatus, as per IS 1797 Essential Oil Determination Apparatus | 3450 | 35 |
| (Clevenger Apparatus | 3451 | 36 |
| Alcohol Distillation Unit | | |
| R M Value Apparatus | 3452 | 36 |
| Dean Stark Distilling Apparatus | 3454 | 36 |
| | 3602 | 36 |

## E

| EXTRACTORS | | |
|---|---|---|
| Soxhlet for extraction with I/C joint Condensers, Allihn, for soxhlet extraction apparatus Soxhlet extraction apparatus set | 3740 | 42 |
| | 3741 | 42 |
| | 3840 | 42 |

## F

| FLASKS | | |
|---|---|---|
| Flask, Flat bottom, narrow mouth | 4060 | 43 |
| Flask, Flat bottom, narrow mouth, short neck with I/C joint | 4100 | 43 |
| Flask, Round bottom, narrow mouth | 4260 | 43 |
| Dissolution E- Flask, USP, Clear | 4265 | 44 |
| Dissolution E- Flask, USP, Amber | 4266 | 44 |
| Dissolution L- Flask, USP, Clear | 4267 | 44 |
| Dissolution L- Flask, USP, Amber | 4268 | 44 |
| Dissolution D- Flask | 4270 | 44 |
| Flask Pear Shape with I/C joint | 4315 | 45 |
| Flask Rotary Evaporator with I/C joint | 4320 | 45 |
| Flask Reaction vessel | 4330 | 45 |
| Lid for Reaction vessel flask | 4331 | 45 |
| Flask, Round bottom, narrow mouth short neck with I/C joint | 4380 | 46 |
| Flask, Round bottom, 2 necks, angular | 4381 | 47 |
| Flask, Round bottom, 2 necks, parallel | 4382 | 47 |

| FLASKS | Cat No. | Pg. No. |
|---|---|---|
| Flask, Round bottom, 3 necks, angular Flask, | 4383 | 48 |
| Round bottom, 3 necks, parallel Flask, Round | 4384 | 49 |
| bottom, 4 necks, angular Flask, Round bottom, | 4385 | 50 |
| 4 necks, parallel Flask, Culture, Haffkine | 4386 | 51 |
| Flask, Distilling with side arm | 4422 | 51 |
| Flask, Distilling with I/C stopper | 4620 | 51 |
| Flask, Conical Erlenmeyer, without Rim | 4621 | 52 |
| Flask, Conical Erlenmeyer, Narrow Mouth with Rim | 4980 | 52 |
| Flask, Conical Erlenmeyer, Long Neck without Rim | 4981 | 52 |
| Flask, Conical Erlenmeyer, without Rim | 4982 | 52 |
| Flask, Conical Erlenmeyer, Narrow Mouth with Rim, Amber | 4989 | 53 |
| Flask, Conical Erlenmeyer, Narrow Mouth with I/C joint | 5000 | 53 |
| Tilt measure | 5015 | 53 |
| Flask, Conical Erlenmeyer, Narrow Mouth with I/C Joint and Stopper, Amber | 5019 | 53 |
| Flask, Conical Erlenmeyer, Narrow Mouth with I/C Joint and Stopper | 5020 | 54 |
| Flask, Conical Erlenmeyer, with screw cap | 5021 | 54 |
| Flask Conical Erlenmeyer, with screw cap, Baffled bottom | 5025 | 54 |
| Flask, Conical Erlenmeyer, Wide mouth | 5100 | 54 |
| Filter Flask with glass tubulation | 5340 | 55 |
| Iodine flask | 5400 | 55 |
| Kjeldahl Flask | 5420 | 55 |
| Kjeldahl Flask with I/C Joint | 5430 | 55 |

| FILTRATION PRODUCTS | | |
|---|---|---|
| Glass Filtration Assembly, 47mm | 5350 | 58 |
| Glass Filtration Assembly, 90mm | 5350 | 58 |
| Glass Filtration Assembly, With silicone stopper, 47mm | 5360 | 58 |
| Glass Filtration Assembly, With silicone stopper, 25mm | 5370 | 59 |
| Glass Filtration Assembly with bottle, 47mm Glass | 5380 | 59 |
| Filtration Assembly with bottle, 90mm Filter | 5380 | 59 |
| membrane, Cellulose Nitrate | 5147 | 60 |
| Filter membrane, Gridded Cellulose Nitrate Filter | 5247 | 60 |
| membrane, Nylon-66 | 5347 | 60 |

| FUNNELS | | |
|---|---|---|
| Filter Funnel, Glass, Short Stem | 6140 | 70 |
| Funnel test tube | 6150 | 70 |
| Powder Funnel | 6220 | 70 |
| Powder Funnel, Stem, with cone | 6230 | 71 |
| Separating, Globe Shape, with Stopcock and I/C Stopper | 6340 | 71 |
| Separating, Pear Shape, with Stopcock and I/C Stopper | 6400 | 71 |
| Separating, Pear Shape, with Boroflo Stopcock and I/C Stopper | 6402 | 72 |
| Separating, Pear Shape, with PTFE Stopcock and I/C Stopper | 6403 | 72 |
| Pressure equilising cylindrical with PTFE stopcock | 6405 | 72 |
| Dropping funnel | 6408 | 72 |

## K

| KETTLES | Cat No. | Pg. No. |
|---|---|---|
| Reaction Kettle Assembly | 6947 | 74 |
| Bottoms, only for Kettles Cat. No. 6947 | 6948 | 74 |
| Covers, only for Kettles Cat. No. 6947 | 6949 | 74 |

## L

| LAB ACCESSORIES | |
|---|---|
| Tongs for Beakers & Flasks | 106 |
| Tongs for Crucible | 106 |
| Clamps | 106 |
| Clamps with Bosshead | 106 |
| Universal Clamps | 106 |
| Burette Clamps | 107 |
| Bossheads | 107 |
| Retort Ring | 107 |
| Retort Base | 107 |
| Rod for Retort Base | 107 |
| Test Tube Stand | 107 |
| Test Tube Holder | 107 |
| Burners | 108 |
| Spatulas | 108 |
| Forceps Pointed | 109 |
| Forceps PTFE Pointed | 109 |
| Forceps Blunt Dissecting | 109 |
| Forceps PTFE Blunt | 109 |
| Wire Gauge | 109 |
| Triangular Tripod | 109 |

| LABQUEST LABORATORY EQUIPMENTS | |
|---|---|
| Qualitative Filter Papers | 111-112 |
| Quantitative Filter Papers | 113-114 |
| Hardened Ashless Filter Papers | 115 |
| Glass Fiber Filters | 115 |
| Magnus Kjeldahl Block Digesters | 116 |
| Oracle Kjeldahl Block Digesters | 117 |
| Fume Scrubber | 118 |
| Classical Kjeldahl Distillation unit | 118 |
| Magnus Kjeldahl Distillation Unit | 119 |
| Oracle Kjeldahl Distillation Unit | 120 |
| Alcohol distillation unit with Chiller | 121 |
| COD Digestion Unit | 122 |
| Thermoreactor | 123 |
| Fat Determination Apparatus : Soxhlet Extraction | 124-125 |
| On Demand Distillation unit | 126 |
| Mono Quartz Distillation Unit | 127 |
| All Quartz Double Distillation unit | 128 |
| Elemental Water Baths | 129 |
| Premium Water Baths | 130 |
| Ultrasonic Clear Baths | 131 |
| Water & Oil Baths | 131 |
| Magnetic Stirrers | 132 |
| Industrial Stirrers Max Stir | 133 |
| Magnetic Hot Plate Stirrers | 134 |
| Multiposition Magnetic Hot Plate Stirrers | 135 |
| Hot Plates | |
| Heating Mantles | |

| | Cat No. | Pg. No. |
|---|---|---|
| **LABORATORY EQUIPMENTS** | | |
| Hot Plates | | 135-136 |
| Heating Mantles | | 137 |
| Heating & Stirring Mantkes | | 137 |
| Multiposition Mantles | | 138 |
| Heating Mantles with digital regulator | | 138 |
| Glass Dryer | | 139 |
| Micro Centrifuge | | 140 |
| Cooling High Speed Micro Centrifuge | | 141 |
| Clinical Centrifuge | | 142 |
| Universal Lab Centrifuge | | 143 |
| Cooling Universal Lab Centrifuge | | 144 |
| Dry Baths | | 145 |
| Incubator | | 146 |
| Orbital Shaker | | 146 |
| High Capacity Orbital Shaker | | 147 |
| Tube Roller | | 148 |
| Digital Disc Tube Rotator | | 148 |
| Vortexer | | 149 |
| Multitube Vortexer | | 150 |
| Chillers | | 151 |
| Vaccum Pump | | 152 |
| Micropipettes | | 153-157 |
| Electronic Pipette Controller | | 157 |
| Bottle Top Dispensers | | 158 |
| Digital Burette | | 158 |
| Tips | | 159-160 |


# M


| | | |
|---|---|---|
| **MANSINGH SURVISMETER** | 3453 | 40 |
| **MICROSCOPE SLIDES & COVERS GLASS** | | |
| Microscope Slides | 9100 | 102 |
| Cover Glass | 9115 | 102 |
| **MORTAR AND PESTLE** | 7210 | 82 |
| **MUSEUM JARS** | 6910 | 74 |


# N


| | | |
|---|---|---|
| **NABL CERTIFIED GLASSWARE** | | |
| Burettes with Boroflo stopcock, Class A, NABL Certified | 2000 | 26 |
| Burettes with Boroflo stopcock, Class A, Amber, NABL Certified | 2001 | 26 |
| Burettes With Glass stopcock, Class A, NABL Certified | 2002 | 26 |
| Cylinders Class A, Hexagonal base, Pour out, NABL Certified | 2010 | 32 |
| Volumetric Flask, Class A, NABL Certified | 2020 | 67 |
| Volumetric Flask, Class A, Amber, NABL Certified | 2021 | 67 |
| Pipette, Mohr, Class A, NABL Certified | 2030 | 80 |
| Pipette, volumetric, Class A, NABL Certified | 2040 | 80 |


# P


| | Cat No. | Pg. No. |
|---|---|---|
| **PIPETTES** | | |
| Artificial Insemination Pipette | 7040 | 75 |
| Drum Sampling | 7041 | 75 |
| Bacteriological/Milk Pipette | 7056 | 75 |
| Gerber, Milk Pipettes | 7057 | 75 |
| Gerber, Milk Pipettes With Certificate | 7058 | 75 |
| Mohr Piepttes, Class A | 7059 | 75 |
| Mohr Piepttes, Class A Volumetric Pipette, Class A | 7060 | 76 |
| Mohr Piepttes, Class B, White Marking | 7062 | 76 |
| Serological Pipettes, Class A | 7079 | 76 |
| Volumetric Pipette, Class A | 7100 | 78 |
| Volumetric Pipette, Class A, ASTM | 7101 | 78 |
| Volumetric Pipette, Class B | 7102 | 79 |
| Volumetric Pipette, Class B, ASTM | 7103 | 79 |
| Volumetric Pipette, Class B, ASTM, Amber | 7106 | 79 |
| Mohr Piepttes, Class A | 2030 | 77 |
| Mohr Piepttes, Class B | 2040 | 77 |


# Q


| | | |
|---|---|---|
| **QUARTZWARE** | | |
| Quartz Beakers, low form with spout | 1002 | 99 |
| Quartz Muffle trays | 3175 | 99 |
| Quartz Dishes / Basins round with spout | 3185 | 99 |
| Qyartz Comustion Boat with handle | 3186 | 99 |
| Quartz Crucibles without lid | 3190 | 99 |
| Quartz Lids for crucibles | 3191 | 100 |
| Quartz Volatile matter crucibles | 3195, 3196, 3197 | 100 |
| Quartz Silica traingles on Nichrome | 3198 | 100 |
| Quartz Conical flasks | 4984 | 100 |
| Quartz Volumetric Flasks | 5644 | 100 |
| Quartz Circular Capsule | 8600 | 101 |
| **QUARTZWARE** | | |
| Qaurtz Reagent Bottle, with hollow stopper | 1511 | 101 |
| Qaurtz Measuring cylinder w/spout class B, | 3028 | 101 |
| Qaurtz Funnel, 75mm | 6141 | 101 |
| Qaurtz Pipette measuring Mohr type, | 7064 | 101 |
| Qaurtz Pipette, Transfer, Volumetric, Class B | 7104 | 102 |

# S


| | Cat No. | Pg. No. |
|---|---|---|
| **STOPPERS** | | |
| Stoppers, Glass, Penny head, Clear | 8100 | 68, 83 |
| Stoppers, Glass, Flat Head, Plastic | 8300 | 69 83 |
| Stoppers, Glass, Penny head, Amber | 8400 | 68 84 |
| **SINTERED WARE** | | |
| Buchner Funnel With Sintered Disc | 36060 | 97 |
| Gooch Crucible Low Form, With Sintered Disc | 32060 | 98 |
| Tube for Gooch Crucible | 32061 | 98 |
| **SOCKETS** | | |
| Sockets, Plain shank, Single | 6580 | 73 |
| Sockets, Plain shank, Double | 6581 | 73 |
| **STIRRER ROD** | | |
| Stirrer Rod, Glass | 9850 | 95 |
| Stirrer Rod, Glass, With PTFE Blade | 9860 | 95 |
| **SPREADER** | *9865* | 95 |
| **SAMPLING AND STORAGE VIALS** | 9913 | 96 |


# T


| | | |
|---|---|---|
| **TUBES** | | |
| Blood Sugar, Folin- Wu, Tube | 7840 | 82 |
| Tube Centrifuge, Plain | 8060 | 82 |
| Tube Centrifuge, Graduated | 8080 | 82 |
| Tube Centrifuge, Graduated with I/C Stopper | 8084 | 82 |
| Tube Centrifuge, Graduated, PP Screw Cap | 8090 | 82 |
| Tube Centrifuge, Heavy Duty, with Spout, Plain, Short conical bottom | 8320 | 84 |
| Tube Centrifuge, Heavy Duty, with Spout, Graduated, Short conical bottom | 8340 | 84 |
| **TUBES** | | |
| Tube, Culture, Round Bottom, Clear, with PP Cap | 9900 | 95 |
| Tube, Culture, Round Bottom, Amber, with PP Cap | 9901 | 95 |
| Tube, Culture, Flat Bottom, Clear, with PP Cap | 9910 | 96 |
| Tube, Culture, Flat Bottom, Amber, with PP Cap | 9911 | 96 |
| Tube for Culture collection | 9801 | 92 |
| **TEST TUBES** | | |
| Test Tube, With Rim | 9800 | 92 |
| Test Tube, Without Rim | 9820 | 93 |
| Test Tube, Graduated, With I/C Stopper | 9830 | 94 |
| Test Tube, Graduated, With I/C Stopper, Amber | 9831 | 94 |
| COD Digestion Tube | 9835 | 94 |
| Test Tube, Plain, With I/C Stopper | 9829 | 94 |
| Test Tube, Flat bottom, Without Rim | 9821 | 93 |
| Test Tube, Flat bottom, With Rim | 9822 | 93 |


# V

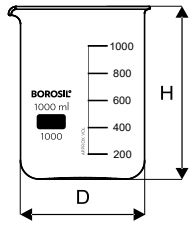

| | Cat No. | Pg. No. |
|---|---|---|
| **VISCOMETER** | | |
| Viscometer college pattern | 3500 | 41 |
| **VOLUMETRIC FLASKS** | | |
| Volumetric Flask, Class A, Narrow mouth, Clear | 5640 | 62 |
| Volumetric Flask, Class B, Narrow mouth, Clear | 5641 | 62 |
| Volumetric Flask, Class A,Wide mouth, Clear | 5643 | 63 |
| Volumetric Flask, ASTM, Narrow mouth, Clear | 5645 | 63 |
| Volumetric Flask, USP, Class A, Narrow mouth, Clear | 5645D | 63 |
| Volumetric Flask, ASTM, Wide mouth, Clear | 5647 | 64 |
| Volumetric Flask, USP, Class A, Wide mouth, Clear | 5647D | 64 |
| Volumetric Flask, Class A, Narrow mouth, Amber | 5648 | 64 |
| Volumetric Flask, Class B, Narrow mouth, Amber | 5649 | 65 |
| Volumetric Flask, Sugar Estimation | 5650 | 65 |
| Volumetric Flask, Class A,Wide mouth, Amber | 5653 | 65 |
| Volumetric Flask, USP, ASTM, Narrow mouth, Amber | 5655 | 66 |
| Volumetric Flask, Class A, USP, Narrow mouth, Amber | 5655D | 66 |
| Volumetric Flask, ASTM, Wide mouth, Amber | 5657 | 66 |
| Volumetric Flask, USP, Wide mouth, Amber | 5657D | 67 |
| **VIALS & CLOSURES** | | |
| Vials | | 104 |
| Closures | | 104 |
| Convenience Kits of Vials with Caps | | 105 |


# W


| | | |
|---|---|---|
| **WATER DISTILLATION UNITS** | | |
| Single Stage & Two Stage Distillation Units | | 37 |
| Mono Quartz Distillation Unit | 3363 | 38 |
| Water Softener | | 38 |
| All Quartz Double Distillation Unit | 3365 | 39 |
| Silicone Tubing for Distillation Unit & Laboratory Application | 3369 | 39 |
| **WEIGHING SCOOP** | 7200 | 80 |
| **WATCH GLASS** | 9986 | 96 |
| **TECHNICAL INFORMATION** | | 161-167 |

# Beakers

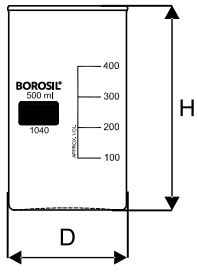
## 1000 - LOW FORM BEAKER With Spout




| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1000005 | 5* | 22 x 30 | 20 | **140.00** |
| 1000006 | 10 * | 26 x 35 | 20 | **140.00** |
| 1000009 | 25 | 34 x 50 | 60 | **140.00** |
| 1000D12 | 50 | 42 x 60 | 60 | **95.00** |
| 1000D16 | 10 0 | 50 x 70 | 40 | **95.00** |
| 1000D18 | 15 0 | 60 x 80 | 40 | **95.00** |
| 1000D21 | 250 | 70 x 95 | 40 | **105.00** |
| 1000D23 | 400 | 80 x 110 | 40 | **170.00** |
| 1000D24 | 500 | 85 x 115 | 40 | **165.00** |
| 1000D25 | 600 | 90 x 125 | 40 | **220.00** |
| 1000028 | 800 | 100 x 135 | 20 | **340.00** |
| 1000D29 | 1000 | 105 x 145 | 20 | **340.00** |
| 1000D30 | 2000 | 130 x 185 | 6 | **685.00** |
| 1000D31 | 3000 | 150 x 215 | 4 | **1790.00** |
| 1000D33 | 5000 | 170 x 270 | 4 | **2630.00** |
| 1000D38 | 10000 | 220 x 350 | 1 | **8295.00** |

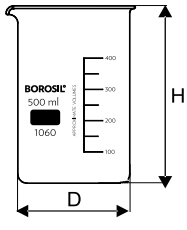
* 5 ml and 10 ml Beakers are not graduated.

## 1040 - TALL FORM BEAKER Without Spout



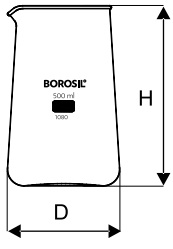

| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 10 40012 | 50 | 38 x 70 | 40 | **165.00** |
| 1040016 | 10 0 | 48 x 80 | 40 | **170.00** |
| 10 40018 | 15 0 | 54 x 95 | 40 | **180.00** |
| 10 40021 | 250 | 60 x 120 | 40 | **170.00** |
| 1040024 | 500 | 80 x 140 | 20 | **240.00** |
| 10 40025 | 600 | 80 x 150 | 20 | **315.00** |
| 10 40028 | 800 | 90 x 175 | 20 | **385.00** |
| 10 40029 | 1000 | 95 x 180 | 20 | **470.00** |

## 1060 - TALL FORM BEAKER With Spout




| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 10 60012 | 50 | 38 x 70 | 40 | **170.00** |
| 1060D16 | 10 0 | 48 x 80 | 40 | **175.00** |
| 10 60018 | 15 0 | 54 x 95 | 40 | **180.00** |
| 1060D21 | 250 | 60 x 120 | 40 | **175.00** |
| 1060D24 | 500 | 80 x 140 | 20 | **240.00** |
| 10 60025 | 600 | 80 x 150 | 20 | **375.00** |
| 10 60028 | 800 | 90 x 175 | 20 | **445.00** |
| 1060D29 | 1000 | 95 x 180 | 20 | **475.00** |

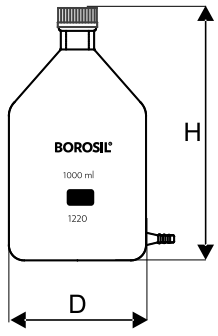
## 1080 - PHILLIP (CONICAL) BEAKER With Spout




| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1080021 | 250 | 68 x 110 | 40 | **770.00** |
| 1080024 | 500 | 88 x 145 | 40 | **965.00** |

# Bottles

## 1220 - ASPIRATOR BOTTLES

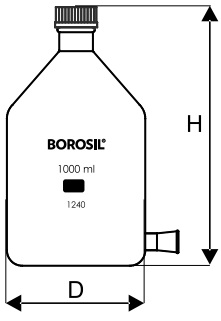



| Product Code | Capacity ml | Approx O.D. x Height* mm | Thread Specification | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1220021 | 250** | 70 x 140 | GL 45 | 10 | **465.00** |
| 1220024 | 500** | 86 x 176 | GL 45 | 10 | **520.00** |
| 1220029 | 1000 | 101 x 225 | GL 45 | 10 | **950.00** |
| 1220030 | 2000 | 136 x 260 | GL 45 | 5 | **1505.00** |
| 1220033 | 5000 | 181 x 320 | GL 45 | 1 | **8650.00** |
| 1220038 | 10000*** | 235 x 405 | GL 45 | 1 | **14640.00** |
| 1220040 | 20000*** | 296 x 505 | GL 45 | 1 | **26610.00** |

**Not covered in ISO / DIN standards./ *Height indicated is of Bottle only / ***As per Borosil dimension

## 1240 - ASPIRATOR BOTTLES

### With Socket Outlet For Stopcock and PP Cap



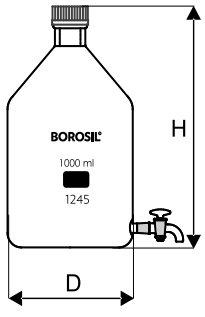

| Product Code | Capacity ml | Approx O.D. x Height* mm | Thread Specification | Outlet Ground Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 1240029 | 1000 | 101 x 225 | GL 45 | 19 / 26 | 10 | **1175.00** |
| 1240030 | 2000 | 136 x 260 | GL 45 | 19 / 26 | 5 | **1685.00** |
| 1240033 | 5000 | 181 x 330 | GL 45 | 29 / 32 | 1 | **9735.00** |
| 1240038 | 10000*** | 235 x 405 | GL 45 | 29 / 32 | 1 | **13795.00** |
| 1240040 | 20000*** | 296 x 505 | GL 45 | 29 / 32 | 1 | **23715.00** |

*Height indicated is of Bottle only
***As per Borosil dimension

**Glass stopcock available on request**

## 1245 - ASPIRATOR BOTTLES

### With I/C Glass Stopcock and PP Cap

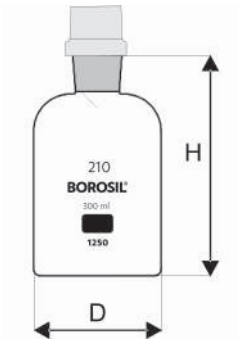



| Product Code | Capacity ml | Approx O.D. x Height* mm | Thread Specifica-tion | Outlet Ground Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 1245029 | 1000 | 101 x 225 | GL 45 | 19 / 26 | 10 | **3265.00** |
| 1245030 | 2000 | 136 x 260 | GL 45 | 19 / 26 | 4 | **3855.00** |
| 1245033 | 5000 | 181 x 323 | GL 45 | 29 / 32 | 1 | **12780.00** |
| 1245038 | 10000*** | 235 x 405 | GL 45 | 29 / 32 | 1 | **18010.00** |
| 1245040 | 20000*** | 296 x 505 | GL 45 | 29 / 32 | 1 | **26755.00** |

*Height indicated is of Bottle only
***As per Borosil dimension

**Spare glass stopcock available on request**

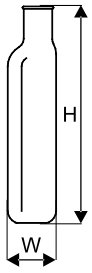
## 1250 - B.O.D. BOTTLES




| Product Code | Capacity ml | Approx O. D. x Height* mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1250013 | 60** | 42 x 100 | 10 | **515.00** |
| 1250017 | 125** | 55 x 120 | 10 | **635.00** |
| 1250022 | 300 | 70 x 143 | 30 | **740.00** |

*Height indicated is of Bottle only
**60 & 125 ml are not covered in standards
300 ml is for determination of B.O.D. in Industrial effluents, wastes and water as per method specified by the American Public Health Association

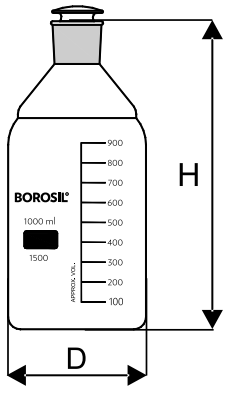
## 1290 - ROUX BOTTLES WITH OFF SET NECK




| Product Code | Capacity ml | Approx B x W x H mm | Approx Neck I. D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1290029 | 1000 | 126 x 56 x 265 | 25 | 20 | **2120.00** |

## 1500 - REAGENT BOTTLES

### Narrow Mouth With I/C Glass Stopper

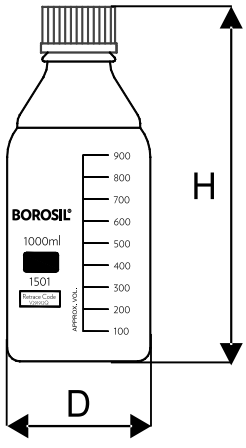



| Product Code | Capacity ml | Approx O.D. x Height* mm | Neck Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1500013 | 60** | 45 x 97 | 14 / 23 | 40 | **425.00** |
| 1500016 | 100 | 56 x 100 | 19 / 26 | 10 | **465.00** |
| 1500017 | 125** | 56 x 120 | 19 / 26 | 50 | **405.00** |
| 1500021 | 250 | 70 x 138 | 19 / 26 | 10 | **445.00** |
| 1500024 | 500 | 86 x 177 | 24 / 29 | 10 | **465.00** |
| 1500029 | 1000 | 101 x 225 | 29 / 32 | 5 | **750.00** |
| 1500030 | 2000 | 136 x 260 | 34 / 35 | 5 | **1375.00** |

*Height indicated is of Bottle only
**60 & 125 ml is not covered in standards

## 1501 - REAGENT BOTTLES

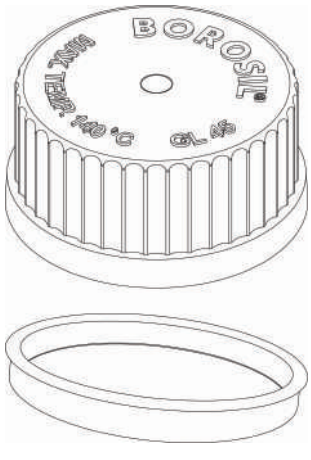
### Narrow Mouth With Screw Cap




| Product Code | Capacity ml | Approx O.D. x Height* mm | Thread Specification | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1501006 | 10**# | 36 x 50 | GL 25 | 10 | **525.00** |
| 1501009 | 25# | 36 x 70 | GL 25 | 20 | **350.00** |
| 1501012 | 50 | 46 x 87 | GL 32 | 20 | **400.00** |
| 1501016 | 100 | 56 x 100 | GL 45 | 10 | **380.00** |
| 1501018 | 150**# | 60 x 120 | GL 45 | 10 | **450.00** |
| 1501021 | 250 | 70 x 138 | GL 45 | 10 | **385.00** |
| 1501024 | 500 | 86 x 177 | GL 45 | 10 | **425.00** |
| 1501029 | 1000 | 101 x 225 | GL 45 | 10 | **655.00** |
| 1501030 | 2000 | 136 x 260 | GL 45 | 10 | **1170.00** |
| 1501031 | 3000** | 158 x 295 | GL 45 | 2 | **6045.00** |
| 1501033 | 5000*** | 181 x 320 | GL 45 | 1 | **6290.00** |
| 1501038 | 10000*** | 235 x 405 | GL 45 | 1 | **11260.00** |
| 1501040 | 20000*** | 296 x 505 | GL 45 | 1 | **21055.00** |

- *Height indicated is of Bottle only
- #Without Pouring Ring
- **Not covered in any standard
- ***As per Borosil Dimension

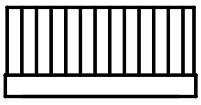
## 1503 - SCREW CAPS FOR BOTTLES with Pouring Ring




| Product Code | Colour Description | Thread Specification | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1503C01 | Blue | GL 45 | 10 | **100.00** |
| 1503C02 | Orange | GL 45 | 10 | **105.00** |
| 1503C03 | Yellow | GL 45 | 10 | **105.00** |
| 1503C04 | Green | GL 45 | 10 | **105.00** |
| 1503C05 | Grey | GL 45 | 10 | **105.00** |
| 1503C06 | Blue | GL 25 | 10 | **95.00** |
| 1503C07 | Blue | GL 32 | 10 | **95.00** |
| 1503C08 | Blue | GL 36 | 10 | **95.00** |

HSN Code: 39235010

## 1505 - HIGH TEMPERATURE RESISTANT SCREW CAPS

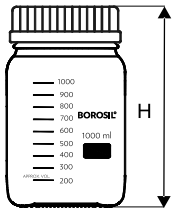


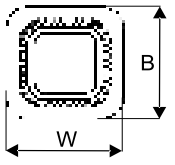
| Product Code | Colour Specification | Thread Specification | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1505C01 | Red | GL - 45 | 10 | **690.00** |

HSN Code: 39235010

## 1506 - REAGENT BOTTLES

### Wide Mouth With Screw Cap, Square



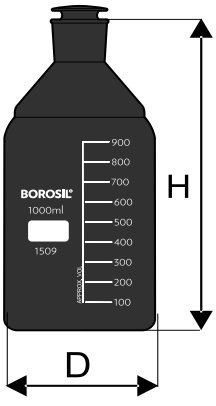

Bottom View

| Product Code | Capacity ml | Approx B x W x H mm | Thread Specification Approx O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1506024 | 500 | 94 x 94 x 141 | GL-80 | 10 | **1105.00** |
| 1506029 | 1000 | 105 x 105 x 187 | GL-80 | 10 | **1220.00** |
| 1506030 | 2000 | 115 x 115 x 260 | GL-80 | 10 | **1920.00** |
| 1506033 | 5000 | 160 x 160 x 357 | GL-80 | 1 | **11835.00** |

*Height indicated is of Bottle only

## 1509 - REAGENT BOTTLES

### Narrow Mouth With I/C Glass Stopper, Amber

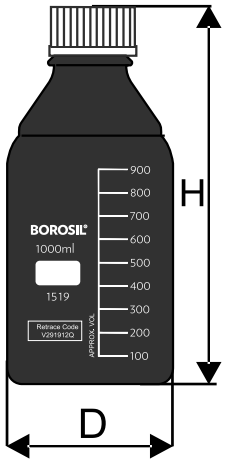



| Product Code | Capacity ml | Approx O.D. x Height* mm | Neck Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1509013 | 60** | 45 x 97 | 14 / 23 | 20 | **610.00** |
| 1509016 | 100 | 56 x 100 | 14 / 23 | 10 | **675.00** |
| 1509017 | 125** | 56 x 120 | 19 / 26 | 20 | **635.00** |
| 1509021 | 250 | 70 x 138 | 19 / 26 | 10 | **770.00** |
| 1509024 | 500 | 86 x 177 | 24 / 29 | 10 | **895.00** |
| 1509029 | 1000 | 101 x 225 | 29 / 32 | 5 | **1160.00** |
| 1509030 | 2000 | 136 x 260 | 34 / 35 | 5 | **2215.00** |

*Height indicated is of Bottle only
**60 & 125 ml is not covered in standards

## 1519 - R EAGENT BOTTLES

### Narrow Mouth With Screw Cap, Amber




| Product Code | Capacity ml | Approx O.D. x Height* mm | Thread Specification | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1519006 | 10**# | 36 x 50 | GL 25 | 10 | **645.00** |
| 1519009 | 25# | 36 x 70 | GL 25 | 20 | **545.00** |
| 1519012 | 50# | 46 x 87 | GL 32 | 20 | **630.00** |
| 1519016 | 100 | 56 x 100 | GL 45 | 10 | **655.00** |
| 1519021 | 250 | 70 x 138 | GL 45 | 10 | **690.00** |
| 1519024 | 500 | 86 x 177 | GL 45 | 10 | **825.00** |
| 1519029 | 1000 | 101 x 225 | GL 45 | 10 | **1075.00** |
| 1519030 | 2000 | 136 x 260 | GL 45 | 10 | **2020.00** |
| 1519031 | 3000** | 158 x 295 | GL 45 | 2 | **10780.00** |
| 1519033 | 5000*** | 183 x 320 | GL 45 | 1 | **11125.00** |
| 1519038 | 10000*** | 235 x 405 | GL 45 | 1 | **16200.00** |
| 1519040 | 20000*** | 296 x 500 | GL 45 | 1 | **29290.00** |

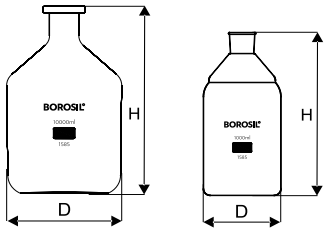
- *Height indicated is of Bottle only
#Without Pouring rings
**Not covered in any standard
***As per BOROSIL dimensions

## 1585 - SOLUTION BOTTLES

**With Tooled Neck**

| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck I. D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1585021 | 250 | 70 x 145 | 18 | 20 | **440.00** |
| 1585024 | 500 | 86 x 180 | 23 | 20 | **470.00** |
| 1585029 | 1000 | 101 x 230 | 28 | 10 | **745.00** |
| 1585030 | 2000 | 136 x 285 | 33 | 10 | **1260.00** |
| 1585031 | 3000 | 158 x 255 | 44 | 4 | **6270.00** |
| 1585033 | 5000 | 183 x 330 | 44 | 1 | **7715.00** |
| 1585038 | 10000* | 235 x 430 | 54 | 1 | **13190.00** |
| 1585040 | 20000* | 296 x 530 | 54 | 1 | **21890.00** |
| 1585046 | 50000 | 417 x 665 | 89 | 1 | **104095.00** |

*As per Borosil dimensions

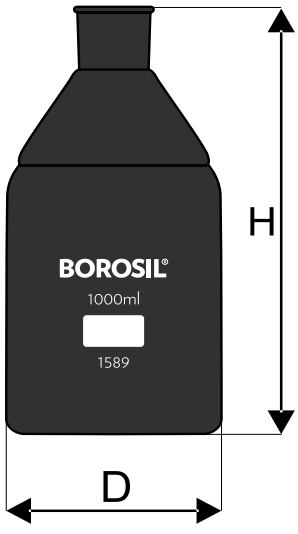



## 1589 - SOLUTION BOTTLES

**With Tooled Neck, Amber**

| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck I. D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1589021 | 250 | 70 x 145 | 18 | 10 | **800.00** |
| 1589024 | 500 | 86 x 180 | 23 | 20 | **835.00** |
| 1589029 | 1000 | 101 x 230 | 28 | 5 | **1220.00** |
| 1589030 | 2000 | 136 x 255 | 33 | 5 | **2105.00** |
| 1589031 | 3000 | 158 x 255 | 44 | 4 | **5390.00** |
| 1589033 | 5000 | 183 x 330 | 44 | 1 | **10080.00** |
| 1589038 | 10000* | 235 x 430 | 54 | 1 | **17805.00** |
| 15 89040 | 20000* | 296 x 530 | 54 | 1 | **28605.00** |

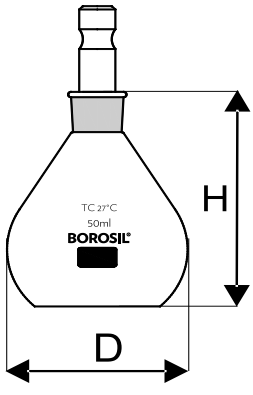
*As per Borosil dimensions




## 1624 - RELATIVE DENSITY BOTTLES

**(Pyknometer) With I/C PTFE Stopper With Certificate**

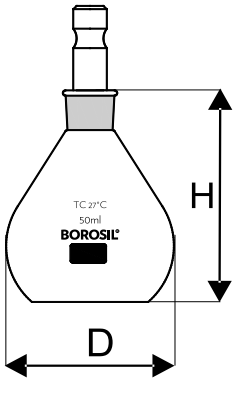
| Product Code | Capacity ml | Capacity Tolerance ± ml | Max. Body Dia x Height mm | Size of Inter-Changeable Stopper | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 1624006 | 10 | 0.3 | 29 x 48 | 10 / 15 | 5 | **1195.00** |
| 1624009 | 25 | 0.8 | 40 x 55 | 10 / 15 | 5 | **1405.00** |
| 1624012 | 50 | 1 | 50 x 65 | 10 / 15 | 5 | **1480.00** |

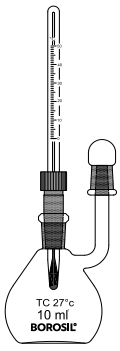



## 1625 - RELATIVE DENSITY BOTTLES

**(Pyknometer) With I/C PTFE Stoppper**

| Product Code | Capacity ml | Capacity Tolerance ± ml | Max. Body Dia x Height mm | Size of Inter-Changeable Stopper | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 16 25006 | 10 | 1 | 29 x 48 | 10 / 15 | 10 | **565.00** |
| 16 25009 | 25 | 2 | 40 x 55 | 10 / 15 | 10 | **625.00** |
| 1625012 | 50 | 3 | 50 x 65 | 10 / 15 | 5 | **670.00** |





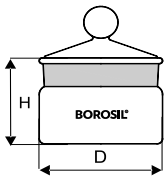

## 1627 - SPECIFIC GRAVITY BOTTLES (PYKNOMETER)

**With Thermometer And Capillary Side Tube**

| Product Code | Capacity ml | Tolerance ± ml | Max. Body Dia x Height mm | Size of I/C Stopper | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 1627006 | 10 | 1 | 29 x 48 | 10 / 19 | 5 | **1610.00** |
| 1627009 | 25 | 2 | 40 x 55 | 10 / 19 | 5 | **1885.00** |
| 1627012 | 50 | 3 | 50 x 65 | 10 / 19 | 5 | **2045.00** |

## 1630 - WEIGHING BOTTLES

**With I/C Glass Lid**




Squat Form

Tall Form

| Product Code | Capacity ml | Approx O.D. x Height* mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1630005 | 5 | 20 x 45 | 30 | **355.00** |
| 1630007 | 15 | 26 x 65 | 10 | **365.00** |
| 1630008 | 20** | 50 x 35 | 10 | **765.00** |
| 1630009 | 25 | 30 x 65 | 10 | **455.00** |
| 1630011 | 40** | 60 x 40 | 10 | **1085.00** |
| 1630013 | 60 | 40 x 90 | 5 | **685.00** |

*Height indicated is of Bottle only

**Squat Form

## 1631 - WEIGHING BOTTLES

**With I/C Glass Lid, Amber**

Tall Form

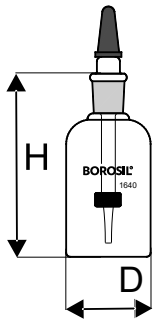
| Product Code | Capacity ml | Approx O.D. x Height* mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1631005 | 5 | 20 x 45 | 30 | **490.00** |
| 1631007 | 15 | 26 x 65 | 10 | **515.00** |
| 1631008 | 20** | 50 x 35 | 10 | **1010.00** |
| 1631009 | 25 | 30 x 65 | 10 | **595.00** |
| 1631011 | 40** | 60 x 40 | 10 | **1410.00** |
| 1631013 | 60 | 40 x 90 | 5 | **900.00** |

*Height indicated is of Bottle only

**Squat Form

## 1640 - DROPPING BOTTLES

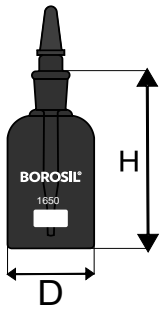
**With Glass Dropper & Rubber Teat**




| Product Code | Capacity ml | Approx O.D. x Height mm | Socket Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1640010 | 30 | 34 x 86 | 14 / 23 | 10 | **355.00** |
| 1640013 | 60 | 42 x 100 | 14 / 23 | 10 | **480.00** |
| 1640017 | 125 | 55 x 120 | 19 / 26 | 10 | **505.00** |
| 1640021 | 250 | 65 x 147 | 19 / 26 | 10 | **670.00** |

## 1650 - DROPPING BOTTLES

**With Glass Dropper & Rubber Teat, Amber**

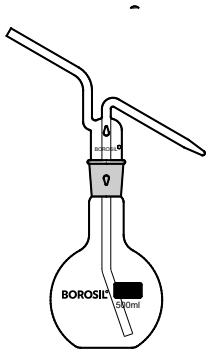



| Product Code | Capacity ml | Approx O.D. x Height mm | Socket Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1650010 | 30 | 35 x 86 | 14 / 23 | 10 | **580.00** |
| 1650013 | 60 | 42 x 100 | 14 / 19 | 10 | **775.00** |
| 1650017 | 125 | 55 x 120 | 19 / 26 | 10 | **835.00** |
| 1650021 | 250 | 65 x 147 | 19 / 26 | 10 | **1095.00** |

## 1660 - GLASS WASH BOTTLE

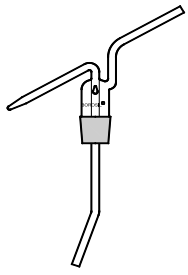
**Set With I/C Stopper**

| Product Code | Capacity ml | Approx OD mm | Approx Height mm | Size of Inter-changeable Stopper | Quantity Per Case Set | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 1660021 | 250 | 85 | 130 | 24 / 29 | 5 | **875.00** |
| 1660024 | 500 | 105 | 160 | 24 / 29 | 5 | **1100.00** |
| 1660029 | 1000 | 131 | 195 | 29 / 32 | 5 | **1305.00** |



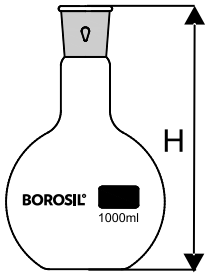

## 1661 - STOPPER FOR GLASS WASH BOTTLE

| Product Code | Capacity ml | Size of Inter-changeable Stopper | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1661021 | 250 | 24 / 29 | 5 | **575.00** |
| 1661024 | 500 | 24 / 29 | 5 | **620.00** |
| 1661029 | 1000 | 29 / 32 | 5 | **645.00** |



## 1662 - FLASK FOR GLASS WASH BOTTLE

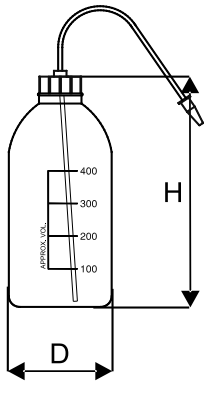
| Product Code | Capacity ml | Approx OD mm | Approx Height mm | Size of Inter-changeable Stopper | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 1662021 | 250 | 85 | 130 | 24 / 29 | 5 | **530.00** |
| 1662024 | 500 | 105 | 160 | 24 / 29 | 5 | **830.00** |
| 1662029 | 1000 | 131 | 195 | 29 / 32 | 5 | **1115.00** |




## 166P - LDPE PLASTIC WASH BOTTLES

**Squeeze Type**

| Product Code | Capacity ml | Approx Diameter mm | Bottle Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 166024 | 500 | 75 | 167 | 36 | **135.00** |




## 1665 - PLASTIC CLAMPS FOR JOINT FITTNGS

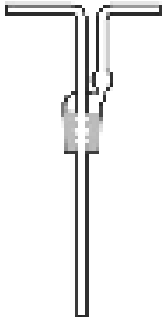
| Product Code | Joint mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 1665B14 | B 14 | 10 | **65.00** |
| 1665B19 | B 19 | 10 | **65.00** |
| 1665B24 | B 24 | 10 | **70.00** |
| 1665B29 | B 29 | 10 | **70.00** |

HSN Code: 39235010

## 1760 - GAS WASHING (DRESCHEL) BOTTLES

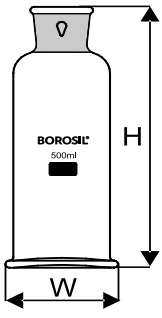
**Set With I/C Stopper**

| Product Code | Capacity ml | Approx O.D x Height (bottle) mm | Size of Inter-changeable Stopper | Quantity Per Case Set | Price / Piece ₹ |
|---|---|---|---|---|---|
| 1760017 | 125 | 50 x 165 | 29 / 32 | 5 | **1330.00** |
| 1760021 | 250 | 60 x 190 | 29 / 32 | 5 | **1430.00** |
| 1760024 | 500 | 70 x 245 | 29 / 32 | 5 | **1705.00** |



## 1761 - STOPPER FOR GAS WASHING (DRESCHEL) BOTTLES

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 1761017 | 125 | 5 | **750.00** |
| 1761021 | 250 | 5 | **780.00** |
| 1761024 | 500 | 5 | **890.00** |




## 1762 - BOTTLES FOR GAS WASHING (DRESCHEL) BOTTLES

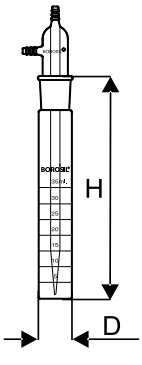
| Product Code | Capacity ml | Approx O.D x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1762017 | 125 | 50 x 165 | 5 | **1200.00** |
| 1762021 | 250 | 60 x 190 | 5 | **1315.00** |
| 1762024 | 500 | 70 x 245 | 5 | **1610.00** |

## 1764 - GAS SAMPLING TUBES

**With Glass Stopcocks**

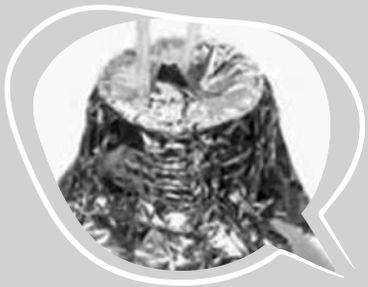
| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 1764017 | 125* | 10 | **740.00** |
| 1764021 | 250* | 10 | **870.00** |
| 1764024 | 500 | 10 | **1235.00** |
| 1764029 | 1000 | 10 | **2105.00** |

* Not covered in standards




## 1765 - IMPINGER

| Product Code | Capacity ml | Approx O. D. x Height mm | Quantity Per Case Set | Price / Piece ₹ |
|---|---|---|---|---|
| 1765058 | 35 | 26 x 220 | 10 | **560.00** |



Still stuck with
the old method
**for transferring HPLC solvents ?**

# BOROSIL®

*is right here* **with a solution**

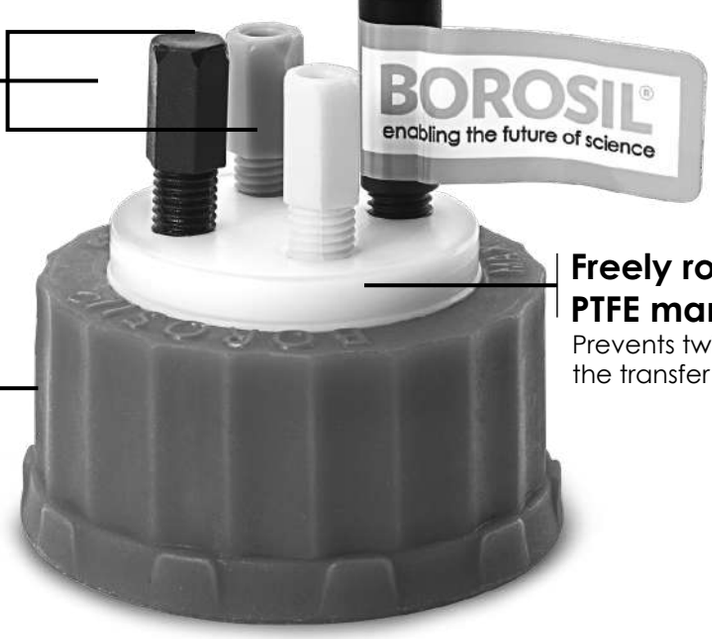
## Multi-Port HPLC Cap
with Anti-twist mechanism

A smart solution for transfer of
HPLC mobile phase solvents

**Unique air valve cum filter**
Prevents contamination of solvents from dust particles and release of solvent vapours in laboratory environment

*

**Polypropylene Connectors**
For different diameter of tubings




**Freely rotatable PTFE manifold**
Prevents twisting of the transfer tubes

**Polyproylene Cap**
Suitable for all types of GL45 Bottles

### 1513 Multi-Port HPLC Cap

| Product Code | No. of Ports | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 1513C04 | 4 | 4 | **3575.00** |
| 1513C02 | 2 | 4 | **3145.00** |
| 1513C01 | 1 | 4 | **3000.00** |

* Air Filter can be given upon request
Check for availability before placing order

# Burettes

## 2121 - BURETTES

**With Boroflo stopcock, Class A, with Individual Calibration Certificate**

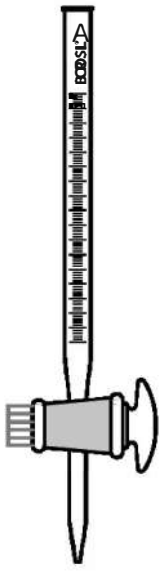
| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2121006 | 10 | 0.05 | 0.03 | 5 | **2145.00** |
| 2121U06* | 10 | 0.05 | 0.02 | 5 | **2165.00** |
| 2121009 | 25 | 0.10 | 0.05 | 5 | **2210.00** |
| 2121U09* | 25 | 0.10 | 0.03 | 5 | **2305.00** |
| 2121012 | 50 | 0.10 | 0.05 | 5 | **2515.00** |
| 2121016 | 100 | 0.20 | 0.10 | 5 | **3530.00** |

* Accuracy as per ASTM E287-2 and calibrated at 20°C
50 ml and 100 ml capacities complies both standards - ISO and ASTM for accuracy

## 2122 - BURETTES

**With Boroflo stopcock, Class B**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2122006 | 10 | 0.05 | 0.05 | 10 | **695.00** |
| 2122009 | 25 | 0.10 | 0.10 | 10 | **655.00** |
| 2122012 | 50 | 0.10 | 0.10 | 5 | **735.00** |
| 2122016 | 100 | 0.20 | 0.20 | 5 | **1105.00** |



## 2123 - BURETTES

**With Glass stopcock, Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2123005 | 5 | 0.02 | 0.01 | 5 | **2300.00** |
| 2123006 | 10 | 0.05 | 0.03 | 5 | **2425.00** |
| 2123009 | 25 | 0.10 | 0.05 | 5 | **2380.00** |
| 2123012 | 50 | 0.10 | 0.05 | 5 | **2705.00** |
| 2123016 | 100 | 0.20 | 0.10 | 5 | **3900.00** |

## 2124 - BURETTES

**With Glass stopcock, Class B**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2124005 | 5 | 0.02 | 0.02 | 5 | **930.00** |
| 2124006 | 10 | 0.05 | 0.05 | 10 | **790.00** |
| 2124009 | 25 | 0.10 | 0.10 | 10 | **770.00** |
| 2124012 | 50 | 0.10 | 0.10 | 5 | **840.00** |
| 2124016 | 100 | 0.20 | 0.20 | 5 | **1170.00** |

## 2129 - BURETTES

**With PTFE stopcock, Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2129012 | 50 | 0.1 | 0.05 | 5 | **2705.00** |

Burettes of other capacities are on request

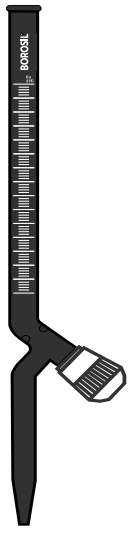
## 2130 - BURETTES

**With PTFE stopcock, Class B**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2130012 | 50 | 0.1 | 0.1 | 5 | **1005.00** |

## 2131 - BURETTES

**With Boroflo stopcock, Class A, Amber, with Individual Calibration Certificate**



| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2131009 | 25 | 0.10 | 0.05 | 5 | **3645.00** |
| 2131012 | 50 | 0.10 | 0.05 | 5 | **4040.00** |

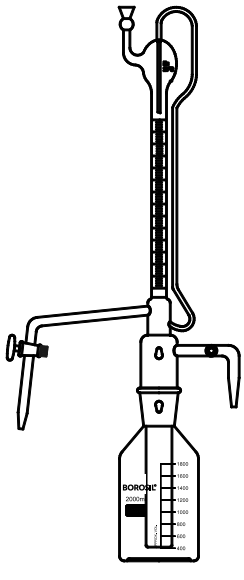
## 2132 - BURETTES

**With Boroflo stopcock, Class B, Amber**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2132009 | 25 | 0.10 | 0.10 | 10 | **1060.00** |
| 2132012 | 50 | 0.10 | 0.10 | 5 | **1165.00** |

## 2149 - AUTOBURETTES

**With Glass stopcock, Class A, with Individual Calibration Certificate**



| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2149006 | 10 | 0.05 | 0.03 | 1 | **8995.00** |
| 2149009 | 25 | 0.10 | 0.05 | 1 | **8705.00** |
| 2149012 | 50 | 0.10 | 0.05 | 1 | **9740.00** |
| 2149016 | 100 | 0.20 | 0.10 | 1 | **11085.00** |

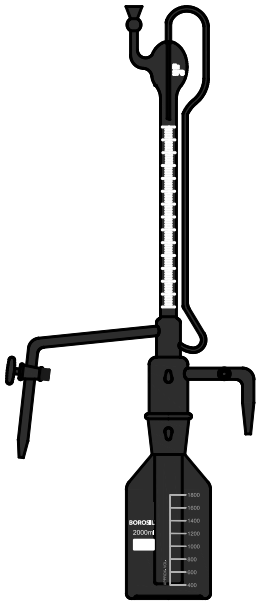
Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.

## 2150 - AUTOBURETTES

**With Glass stopcock, Class B**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2150006 | 10 | 0.05 | 0.05 | 1 | **5900.00** |
| 2150009 | 25 | 0.10 | 0.10 | 1 | **5805.00** |
| 2150012 | 50 | 0.10 | 0.10 | 1 | **6290.00** |
| 2150016 | 100 | 0.20 | 0.20 | 1 | **7170.00** |

Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.



## 2149A - AUTOBURETTES

**With Glass stopcock, Class A, Amber, with Individual Calibration Certificate**

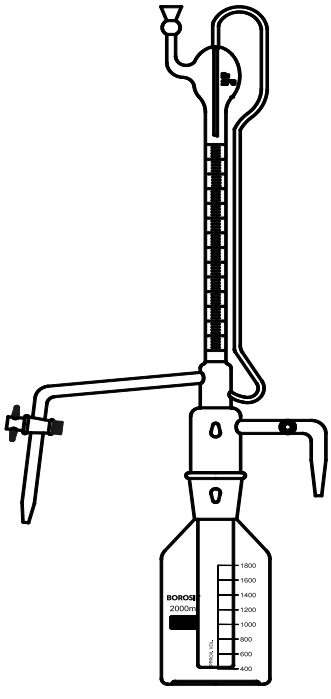
| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2149A06 | 10 | 0.05 | 0.03 | 1 | **18500.00** |
| 2149A09 | 25 | 0.10 | 0.05 | 1 | **19610.00** |
| 2149A12 | 50 | 0.10 | 0.05 | 1 | **21580.00** |
| 2149A16 | 100 | 0.20 | 0.10 | 1 | **22295.00** |

Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.

## 2150A - AUTOBURETTES

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2150A06 | 10 | 0.05 | 0.05 | 1 | **12900.00** |
| 2150A09 | 25 | 0.10 | 0.10 | 1 | **13090.00** |
| 2150A12 | 50 | 0.10 | 0.10 | 1 | **13355.00** |
| 2150A16 | 100 | 0.20 | 0.20 | 1 | **14005.00** |

Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.



## 2153 - AUTOBURETTES

**With PTFE Stopcock, Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2153006 | 10 | 0.05 | 0.03 | 1 | **9490.00** |
| 2153009 | 25 | 0.10 | 0.05 | 1 | **9275.00** |
| 2153012 | 50 | 0.10 | 0.05 | 1 | **10285.00** |
| 2153016 | 100 | 0.20 | 0.10 | 1 | **11755.00** |

Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.

## 2154 - AUTOBURETTES

**With PTFE stopcock, Class B**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2154006 | 10 | 0.05 | 0.05 | 1 | **6230.00** |
| 2154009 | 25 | 0.10 | 0.10 | 1 | **6100.00** |
| 2154012 | 50 | 0.10 | 0.10 | 1 | **6620.00** |
| 2154016 | 100 | 0.20 | 0.20 | 1 | **7520.00** |

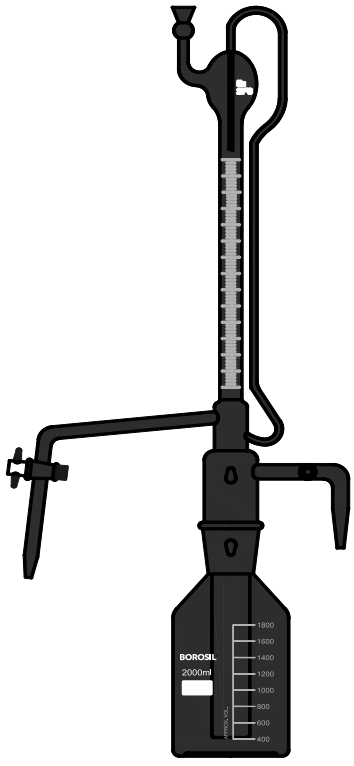
Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.

## 2153A - AUTOBURETTES

**With PTFE stopcock, Class A, Amber, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2153A06 | 10 | 0.05 | 0.03 | 1 | **19185.00** |
| 2153A09 | 25 | 0.10 | 0.05 | 1 | **20480.00** |
| 2153A12 | 50 | 0.10 | 0.05 | 1 | **22425.00** |
| 2153A16 | 100 | 0.20 | 0.10 | 1 | **23465.00** |

Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.




## 2154A - AUTOBURETTES

**With PTFE stopcock, Class B, Amber**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2154A06 | 10 | 0.05 | 0.05 | 1 | **13090**.00 |
| 2154A09 | 25 | 0.10 | 0.10 | 1 | **12315**.00 |
| 2154A12 | 50 | 0.10 | 0.10 | 1 | **12640.00** |
| 2154A16 | 100 | 0.20 | 0.20 | 1 | **13220**.00 |

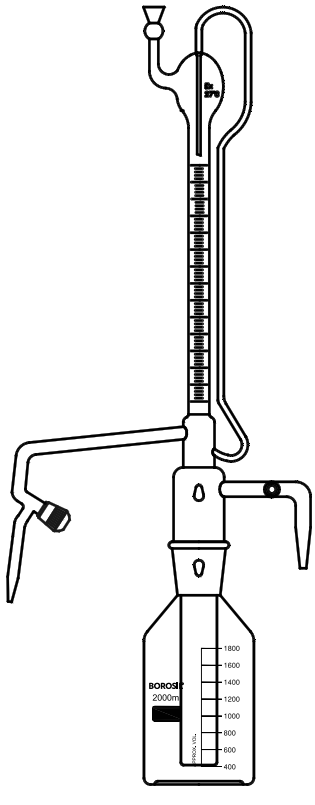
Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.

## 2155 - AUTOBURETTES

**With Boroflo stopcock, Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2155006 | 10 | 0.05 | 0.03 | 1 | **8690.00** |
| 2155009 | 25 | 0.10 | 0.05 | 1 | **8465.00** |
| 2155012 | 50 | 0.10 | 0.05 | 1 | **9400.00** |
| 2155016 | 100 | 0.20 | 0.10 | 1 | **10685.00** |

Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.

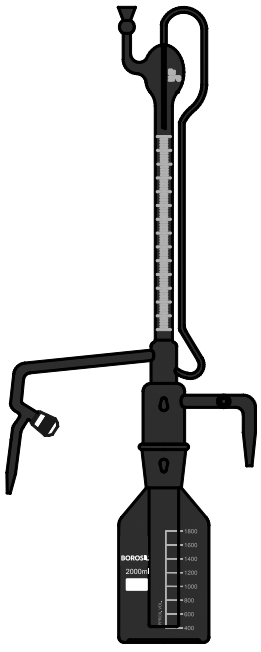



## 2156 - AUTOBURETTES

**With Boroflo stopcock, Class B**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2156006 | 10 | 0.05 | 0.05 | 1 | **5745.00** |
| 2156009 | 25 | 0.10 | 0.10 | 1 | **5610.00** |
| 2156012 | 50 | 0.10 | 0.10 | 1 | **6145.00** |
| 2156016 | 100 | 0.20 | 0.20 | 1 | **7055.00** |

Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.



## 2155A - AUTOBURETTES

**With Boroflo stopcock, Class A, Amber, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2155A06 | 10 | 0.05 | 0.03 | 1 | **18280.00** |
| 2155A09 | 25 | 0.10 | 0.05 | 1 | **19315.00** |
| 2155A12 | 50 | 0.10 | 0.05 | 1 | **21455.00** |
| 2155A16 | 100 | 0.20 | 0.10 | 1 | **22165.00** |

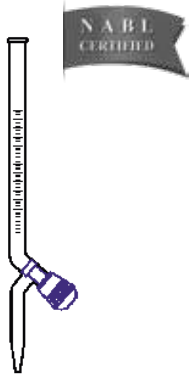
Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.

## 2156A - AUTOBURETTES

**With Boroflo stopcock, Class B, Amber**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2156A06 | 10 | 0.05 | 0.05 | 1 | **12770.00** |
| 2156A09 | 25 | 0.10 | 0.10 | 1 | **12900.00** |
| 2156A12 | 50 | 0.10 | 0.10 | 1 | **13290.00** |
| 2156A16 | 100 | 0.20 | 0.20 | 1 | **13805.00** |

Reservoir Capacity : 500 ml for 10 ml size and 2000 ml for 25, 50 and 100 ml sizes.



## 2000 - BURETTES

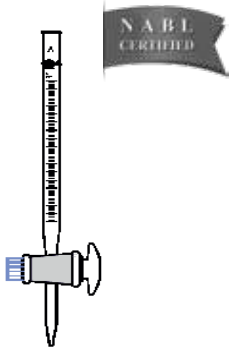
**With Boroflo stopcock, NABL Certified, Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2000006 | 10 | 0.05 | 0.03 | 1 | **4185.00** |
| 2000009 | 25 | 0.10 | 0.05 | 1 | **4335.00** |
| 2000012 | 50 | 0.10 | 0.05 | 1 | **4895.00** |
| 2000016 | 100 | 0.20 | 0.10 | 1 | **6875.00** |

## 2001 - BURETTES

**With Boroflo stopcock, NABL Certified, Class A, Amber, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2001009 | 25 | 0.1 | 0.05 | 1 | **6635.00** |
| 2001012 | 50 | 0.1 | 0.05 | 1 | **7525.00** |



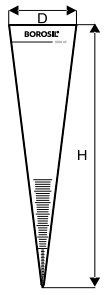
## 2002 - BURETTES

**With Glass stopcock, NABL Certified, Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2002006 | 10 | 0.05 | 0.03 | 1 | **4310.00** |
| 2002009 | 25 | 0.10 | 0.05 | 1 | **4460.00** |
| 2002012 | 50 | 0.10 | 0.05 | 1 | **5095.00** |
| 2002016 | 100 | 0.20 | 0.10 | 1 | **7255.00** |

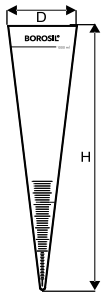
# Cones

## 2160 - IMHOFF CONE
**Sharp Tip**




| Product Code | Approx Total Height mm | Approx Top Diameter mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 216 0094 | 454 | 110 | 1 | **6155.00** |

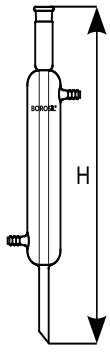
## 2180 - IMHOFF CONE
**Blunt Tip**




| Product Code | Approx Total Height mm | Approx Top Diameter mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 2180093 | 439 | 110 | 1 | **6285.00** |

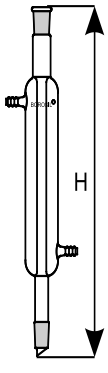
# Condensers

## 2340 - LIEBIG CONDENSER
**With Sealed Inner Tube**

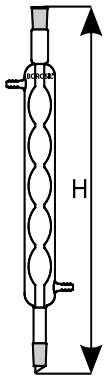



| Product Code | Approx Jacket Length mm | Approx Overall Height mm | Ground Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2340087 | 200 | 350 | 19 / 15 | 5 | **645.00** |
| 2340090 | 300 | 450 | 19 / 15 | 5 | **550.00** |
| 2340092 | 400 | 550 | 19 / 15 | 5 | **575.00** |
| 2340095 | 500 | 650 | 19 / 15 | 5 | **700.00** |

## 2400 - LIEBIG CONDENSER
**With Drip Tip**



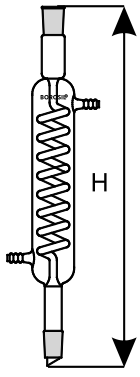

| Product Code | Approx Jacket Length mm | Approx Overall Height mm | Ground Joint | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| | | | Socket | Cone | | |
| 2400087 | 200 | 350 | 19 / 26 | 19 / 26 | 5 | **645.00** |
| 2400090 | 300 | 450 | 24 / 29 | 24 / 29 | 5 | **715.00** |
| 2400092 | 400 | 550 | 24 / 29 | 24 / 29 | 5 | **825.00** |




## 2480 - ALLIHN CONDENSER

**With Drip Tip**

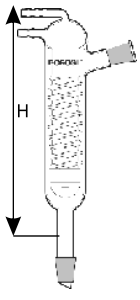
| Product Code | Approx Jacket Length mm | Approx Overall Height mm | Ground Joint | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| | | | Socket | Cone | | |
| 2480087 | 200 | 350 | 19 / 26 | 19 / 26 | 5 | **825.00** |
| 2480090 | 300 | 450 | 24 / 29 | 24 / 29 | 5 | **870.00** |
| 2480092 | 400 | 550 | 24 / 29 | 24 / 29 | 5 | **1010.00** |
| 2480096 | 600 | 750 | 29 / 32 | 29 / 32 | 5 | **1365.00** |




## 2560 - GRAHAM COILED CONDENSER

**With Drip Tip**

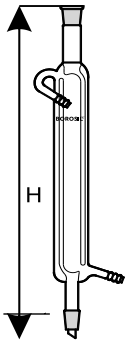
| Product Code | Approx Jacket Length mm | Approx Overall Height mm | Ground Joint | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| | | | Socket | Cone | | |
| 2560090 | 300 | 450 | 24 / 29 | 24 / 29 | 5 | **995.00** |
| 2560092 | 400 | 550 | 24 / 29 | 24 / 29 | 5 | **1020.00** |
| 2560095 | 500 | 650 | 24 / 29 | 24 / 29 | 5 | **1285.00** |




## 2640 - FRIEDRICH CONDENSER

**With Drip Tip**

| Product Code | Approx Jacket Length mm | Ground Joint | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| | | Socket | Cone | | |
| 2640097 | 350 | 24 / 29 | 24 / 29 | 5 | **3990.00** |




## 2641 - DOUBLE SURFACE CONDENSER

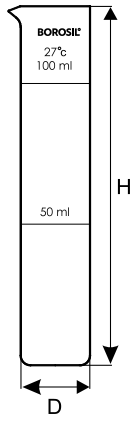
| Product Code | Approx Jacket Length mm | Approx Overall Height mm | Ground Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2641087 | 200 | 345 | 19 / 26 | 5 | **2540.00** |
| 2641187 | 200 | 360 | 24 / 29 | 5 | **2705.00** |
| 2641090 | 300 | 454 | 19 / 26 | 5 | **3345.00** |
| 2641190 | 300 | 450 | 24 / 29 | 5 | **3655.00** |

The above condensers are widely used in research labs. A double-surface condenser has a water jacket both on the outside and through the centre of the condensing tube. It is needed where the condensed liquid is very volatile. Hence for distilling ethers, alcohols, easters, aromatics, petroleum products and essentials oils these condensers are widely used.

# Cylinders

## 2975 - NESSLER CYLINDERS

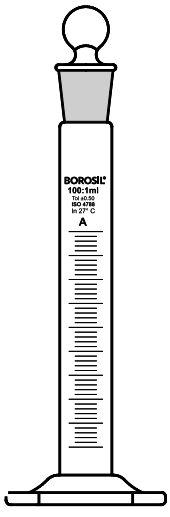
| Product Code | Capacity ml | Approx O.D. x Height | Tolerance ± ml | Quantity Per Case mm | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2975012 | 50 | 25 x 150 | 0.40 | 20 | **215.00** |
| 2975016 | 100 | 34 x 180 | 0.80 | 30 | **310.00** |




## 2981 - CYLINDERS

**Class A, Hexagonal Base, with I/C Stopper, with Individual Calibration Certificate**

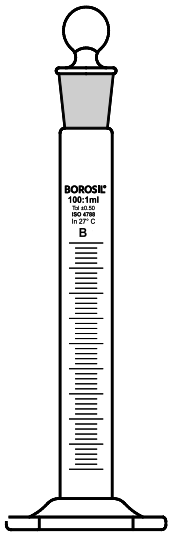
| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 2981005 | 5 | 0.1 | 0.05 | 10 / 19 | 5 | **895.00** |
| 2981006 | 10 | 0.2 | 0.10 | 10 / 19 | 5 | **985.00** |
| 2981009 | 25 | 0.5 | 0.25 | 14 / 23 | 10 | **1130.00** |
| 2981012 | 50 | 1 | 0.50 | 14 / 23 | 10 | **1280.00** |
| 2981016 | 100 | 1 | 0.50 | 19 / 26 | 10 | **1500.00** |
| 2981021 | 250 | 2 | 1 | 24 / 29 | 5 | **2355.00** |
| 2981024 | 500 | 5 | 2.5 | 24 / 29 | 5 | **3025.00** |
| 2981029 | 1000 | 10 | 5 | 34 / 35 | 4 | **3700.00** |
| 2981030 | 2000 | 20 | 10 | 34 / 35 | 4 | **5885.00** |




## 2982 - CYLINDERS

**Class B, Hexagonal Base, with I/C Stopper**

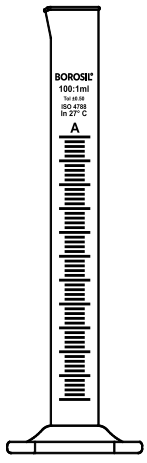
| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 2982005 | 5 | 0.1 | 0.1 | 10 / 19 | 5 | **475.00** |
| 2982006 | 10 | 0.2 | 0.2 | 10 / 19 | 5 | **505.00** |
| 2982009 | 25 | 0.5 | 0.5 | 14 / 23 | 10 | **565.00** |
| 2982012 | 50 | 1 | 1 | 14 / 23 | 10 | **635.00** |
| 2982016 | 100 | 1 | 1 | 19 / 26 | 10 | **780.00** |
| 2982021 | 250 | 2 | 2 | 24 / 29 | 10 | **1320.00** |
| 2982024 | 500 | 5 | 5 | 24 / 29 | 5 | **1835.00** |
| 2982029 | 1000 | 10 | 10 | 34 / 35 | 4 | **2645.00** |
| 2982030 | 2000 | 20 | 20 | 34 / 35 | 4 | **4575.00** |



## 2983 - CYLINDERS

**USP, Class A, Hexagonal Base, with I/C Stopper, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 2983005 | 5 | 0.1 | 0.05 | 10 / 19 | 5 | **930.00** |
| 2983006 | 10 | 0.2 | 0.10 | 10 / 19 | 5 | **1075.00** |
| 2983009 | 25 | 0.5 | 0.17 | 14 / 23 | 10 | **1210.00** |
| 2983012 | 50 | 1 | 0.25 | 14 / 23 | 10 | **1440.00** |
| 2983016 | 100 | 1 | 0.50 | 19 / 26 | 10 | **1610.00** |
| 2983021 | 250 | 2 | 1 | 24 / 29 | 5 | **2590.00** |
| 2983024 | 500 | 5 | 2 | 24 / 29 | 5 | **3085.00** |
| 2983029 | 1000 | 10 | 3 | 34 / 35 | 4 | **3805.00** |
| 2983030 | 2000 | 20 | 6 | 34 / 35 | 4 | **7130.00** |

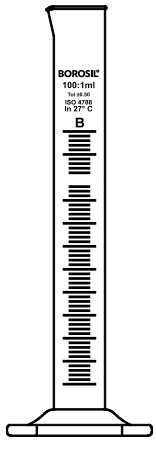



## 3021 - CYLINDERS

**Class A, Hexagonal base, Pour out, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3021005 | 5 | 0.1 | 0.05 | 5 | **540.00** |
| 3021006 | 10 | 0.2 | 0.1 | 5 | **615.00** |
| 3021008 | 20* | 1 | 0.25 | 10 | **785.00** |
| 3021009 | 25 | 0.5 | 0.25 | 10 | **710.00** |
| 3021012 | 50 | 1 | 0.5 | 10 | **860.00** |
| 3021016 | 100 | 1 | 0.5 | 10 | **975.00** |
| 3021018 | 150* | 2 | 1 | 5 | **1295.00** |
| 3021021 | 250 | 2 | 1 | 10 | **1435.00** |
| 3021024 | 500 | 5 | 2.5 | 5 | **2005.00** |
| 3021029 | 1000 | 10 | 5 | 4 | **2445.00** |
| 3021030 | 2000 | 20 | 10 | 4 | **4755.00** |

* As per Borosil standards.




## 3022 - CYLINDERS

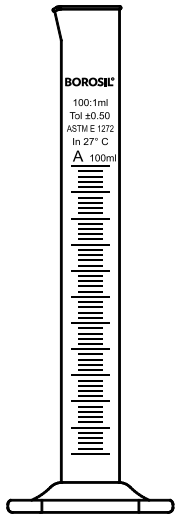
**Class B, Hexagonal base, Pour out**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3022005 | 5 | 0.1 | 0.1 | 5 | **295.00** |
| 3022006 | 10 | 0.2 | 0.2 | 5 | **355.00** |
| 3022009 | 25 | 0.5 | 0.5 | 10 | **410.00** |
| 3022012 | 50 | 1 | 1 | 20 | **445.00** |
| 3022016 | 100 | 1 | 1 | 20 | **505.00** |
| 3022018 | 150* | 2 | 2 | 5 | **700.00** |
| 3022021 | 250 | 2 | 2 | 10 | **935.00** |
| 3022024 | 500 | 5 | 5 | 5 | **1220.00** |
| 3022029 | 1000 | 10 | 10 | 4 | **1850.00** |
| 3022030 | 2000 | 20 | 20 | 4 | **3550.00** |

*15 0 ml Not covered in any standards.

## 3026 - CYLINDERS

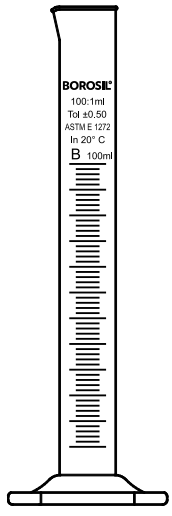
**ASTM, Class A, Hexagonal base, Pour out, with Individual Calibration Certificate**




| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3026005 | 5 | 0.1 | 0.05 | 5 | **640.00** |
| 3026006 | 10 | 0.2 | 0.10 | 5 | **740.00** |
| 3026009 | 25 | 0.5 | 0.17 | 5 | **835.00** |
| 3026012 | 50 | 1 | 0.25 | 5 | **995.00** |
| 3026016 | 100 | 1 | 0.50 | 5 | **1110.00** |
| 3026021 | 250 | 2 | 1 | 5 | **1615.00** |
| 3026024 | 500 | 5 | 2 | 4 | **2125.00** |
| 3026029 | 1000 | 10 | 3 | 4 | **2625.00** |
| 3026030 | 2000 | 20 | 6 | 4 | **4915.00** |

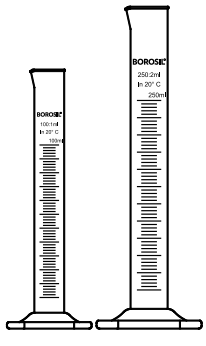
## 3027 - CYLINDERS

**ASTM, Class B, Hexagonal base, Pour out**

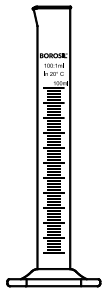



| Till stock lasts | | | | | |
|---|---|---|---|---|---|
| **Product Code** | **Capacity ml** | **Graduation Interval ml** | **Tolerance ± ml** | **Quantity Per Case** | **Price / Piece ₹** |
| 3027005 | 5 | 0.1 | 0.1 | 5 | **375.00** |
| 3027006 | 10 | 0.2 | 0.2 | 5 | **425.00** |
| 3027009 | 25 | 0.5 | 0.34 | 10 | **505.00** |
| 3027012 | 50 | 1 | 0.5 | 10 | **565.00** |
| 3027016 | 100 | 1 | 1 | 10 | **615.00** |
| 3027021 | 250 | 2 | 2 | 10 | **1080.00** |
| 3027024 | 500 | 5 | 4 | 5 | **1345.00** |
| 3027029 | 1000 | 10 | 6 | 4 | **2000.00** |
| 3027030 | 2000 | 20 | 12 | 4 | **3690.00** |

## 3032 - TAPPED DENSITY CYLINDER

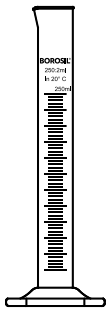


| Product Code | Capacity ml | Quantity Per Case Set | Price / Set ₹ |
|---|---|---|---|
| 3032041 | 100 & 250 | 1 Each | **3000.00** |



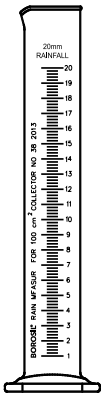
## 3033 - TAPPED DENSITY CYLINDER

| Product Code | Capacity ml | Quantity Per Case Set | Price / Piece ₹ |
|---|---|---|---|
| 3033016 | 100 | 2 | **1565.00** |



## 3034 - TAPPED DENSITY CYLINDER

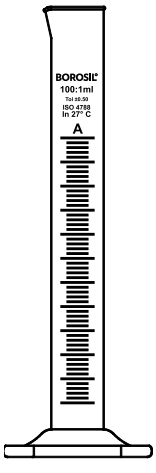
| Product Code | Capacity ml | Quantity Per Case Set | Price / Piece ₹ |
|---|---|---|---|
| 3034021 | 250 | 2 | **1800.00** |




## 3070 - RAIN MEASURE CYLINDERS

**Round base**

| Product Code | Size mm | Used For Collector Area cm² | Graduation Interval mm | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 3070096 | 20 | 200 | 0.2 | 0.05 | 5 | **1350.00** |
| 3070098 | 20 | 100 | 0.2 | 0.10 | 10 | **1580.00** |




## 2010 - CYLINDERS

**NABL Certified, Class A, Hexagonal base, Pour out, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2010005 | 5 | 0.1 | 0.05 | 1 | **1285.00** |
| 2010006 | 10 | 0.2 | 0.10 | 1 | **1355.00** |
| 2010009 | 25 | 0.5 | 0.25 | 1 | **1610.00** |
| 2010012 | 50 | 1 | 0.50 | 1 | **1905.00** |
| 2010016 | 100 | 1 | 0.50 | 1 | **2150.00** |
| 2010018 | 150* | 2 | 1 | 1 | **2890.00** |
| 2010021 | 250 | 2 | 1 | 1 | **3260.00** |
| 2010024 | 500 | 5 | 2.5 | 1 | **4435.00** |
| 2010029 | 1000 | 10 | 5 | 1 | **5485.00** |
| 2010030 | 2000 | 20 | 10 | 1 | **10510.00** |

*** 150 ml not covered in standard.**

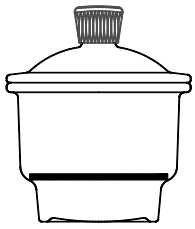
# Desiccator

## 3082 - DESICCATOR SET

**With Cover & Porcelain Plate**

| Product Code | Nominal Diameter mm | Approx Flange OD mm | Approx Total Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3082041 | 100 | 153 | 173 | 1 | **8945.00** |
| 3082042 | 150 | 213 | 205 | 1 | **10440.00** |
| 3082043 | 200 | 272 | 272 | 1 | **14555.00** |
| 3082044 | 250 | 333 | 323 | 1 | **18590.00** |
| 3082045 | 300 | 395 | 344 | 1 | **25655.00** |

**Spare cover and porcelain plate available on request**

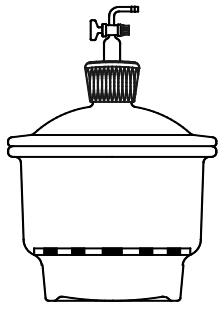


## 3083 - VACUUM DESICCATOR SET

**With Cover & Porcelain Plate**

| Product Code | Nominal Diameter mm | Approx Flange OD mm | Total Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3083041 | 100 | 153 | 173 | 1 | **13705.00** |
| 3083042 | 150 | 213 | 205 | 1 | **20615.00** |
| 3083043 | 200 | 272 | 272 | 1 | **23140.00** |
| 3083044 | 250 | 333 | 323 | 1 | **32120.00** |
| 3083045 | 300 | 395 | 344 | 1 | **40355.00** |

**Spare cover, porcelain plate and stopcock available on request**

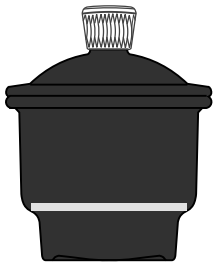


## 3084 - DESICCATOR SET

**With Cover & Porcelain Plate Amber**

| Product Code | Nominal Diameter mm | Approx Flange OD mm | Total Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3084041 | 100 | 153 | 173 | 1 | **11825.00** |
| 3084042 | 150 | 213 | 205 | 1 | **13550.00** |
| 3084043 | 200 | 272 | 272 | 1 | **17465.00** |
| 3084044 | 250 | 333 | 323 | 1 | **22190.00** |
| 3084045 | 300 | 395 | 344 | 1 | **34725.00** |

**Spare cover and porcelain plate available on request**

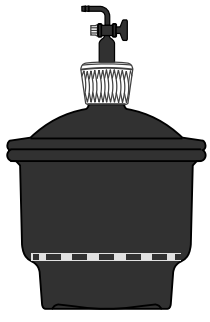


## 3085 - VACUUM DESICCATOR SET

**With Cover & Porcelain Plate, Amber**

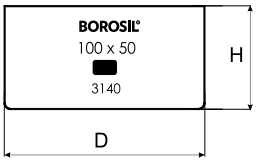
| Product Code | Nominal Diameter mm | Approx Flange OD mm | Total Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3085041 | 100 | 153 | 173 | 1 | **21490.00** |
| 3085042 | 150 | 213 | 205 | 1 | **27600.00** |
| 3085043 | 200 | 272 | 272 | 1 | **30165.00** |
| 3085044 | 250 | 333 | 323 | 1 | **43470.00** |
| 3085045 | 300 | 395 | 344 | 1 | **48765.00** |

**Spare cover, porcelain plate and stopcock available on request**



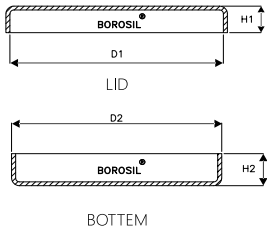
# Dishes

## 3140 - CRYSTALLIZING DISHES




| Product Code | Approx O.D. x Height mm | Approx Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3140077 | 100 x 50 | 330 | 10 | **545.00** |
| 3140081 | 150 x 75 | 1150 | 10 | **950.00** |
| 3140086 | 190 x 100 | 2500 | 4 | **1580.00** |

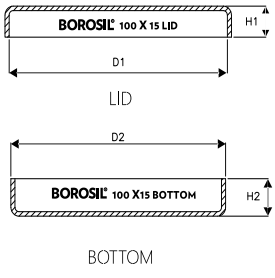
## 3160 - PETRI DISHES (3.3 Borosilicate)




| Product Code | Size mm | LID Approx I.D. (D1) x Height (H1) mm | Bottom Approx O.D. (D2) x Height (H2) mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3160065 | 50 x 17 | 53 x 15 | 50 x 17 | 100 | **225.00** |
| 3160072 | 80 x 17 | 83 x 15 | 80 x 17 | 100 | **290.00** |
| 3160077 | 100 x 17# | 103 x 15 | 100 x 17# | 100 | **340.00** |
| 3160081 | 150 x 20 | 153 x 17 | 150 x 20 | 40 | **835.00** |
| 3160087 | 200 x 20 | 203 x 20 | 200 x 20 | 10 | **1800.00** |

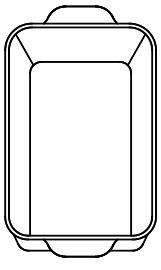
# Not covered in standard

## 3165 - S LINE PETRI DISHES




| Product Code | Size mm | LID Approx I.D. (D1) x Height (H1) mm | Bottom Approx O.D. (D2) x Height (H2) mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3165065 | 50 x 12 | 46 x 8 | 44 x 12 | 100 | **100.00** |
| 3165072 | 80 x 15 | 76 x 12 | 74 x 15 | 100 | **115.00** |
| 3165A75 | 90 x 15 | 86 x 12 | 84 x 15 | 100 | **115.00** |
| 3165077 | 100 x 15 | 96 x 12 | 94 x 15 | 100 | **115.00** |
| 3165A77 | 100 x 20 | 96 x 15 | 94 x 20 | 100 | **175.00** |
| 3165081 | 150 x 25 | 143 x 18 | 141 x 25 | 40 | **270.00** |
| 3165087 | 200 x 30 | 195 x 24 | 192 x 30 | 10 | **575.00** |

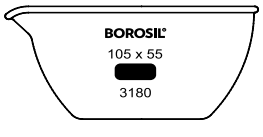
## 3170 - DRYING TRAYS



| Product Code | Approx Dimension mm | Approx Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3170044 | 320 x 180 x 51 | 1500 | 5 | **685.00** |
| 3170043 | 350 x 200 x 58 | 2400 | 5 | **960.00** |
| 3170042 | 386 x 217 x 63 | 3000 | 5 | **1335.00** |
| 3170041 | 404 x 257 x 61 | 3500 | 5 | **1600.00** |

## 3180 - FLAT BOTTOM EVAPORATING DISHES

**With Spout**



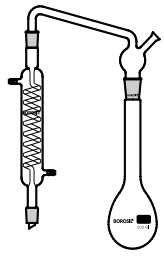

| Product Code | Approx Dimension mm | Approx Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3180072 | 80 x 45 | 165 | 10 | **470.00** |
| 3180078 | 105 x 55 | 290 | 10 | **660.00** |
| 3180081 | 150 x 80 | 855 | 10 | **1235.00** |
| 3180087 | 200 x 100 | 1790 | 8 | **2270.00** |

# Distilling Apparatus

## 3340-DISTILLING APPARATUS

**With Graham Condenser And Interchangeable Joints**

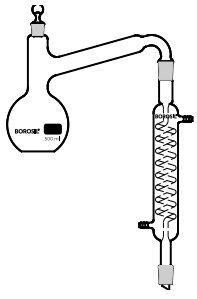
| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3340024 | 500 | 2 Set | **3930.00** |
| **Spare parts available on request** | | | |



## 3360-DISTILLING APPARATUS

**With Graham Condenser, Interchangeable Joints and Stopper**

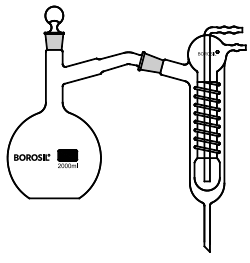
| Product Code | Capacity ml | Condenser Jacket mm | Inter-changeable Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3360024 | 500 | 200 | 19 /26 | 2 Set | **3935.00** |
| **Spare parts available on request** | | | | | |



## 3380- DISTILLING APPARATUS

with Friedrichs Condenser, Interchangeable Joint and Stopper

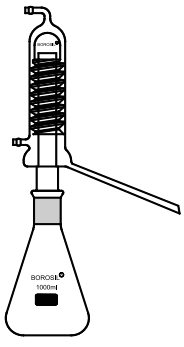
| Product Code | Capacity ml | Interchange-able Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3380030 | 2000 | 24 / 29 | 1 Set | **5380.00** |
| **Spare parts available on request** | | | | |



## 3440-DISTILLING APPARATUS

**with Friedrichs Condenser, Interchangeable Joint**

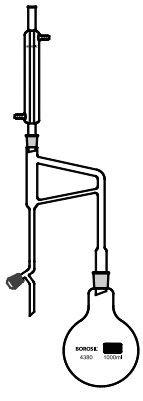
| Product Code | Capacity ml | Interchange-able Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3440029 | 1000 | 34 / 35 | 2 Set | **5030.00** |
| **Spare parts available on request** | | | | |

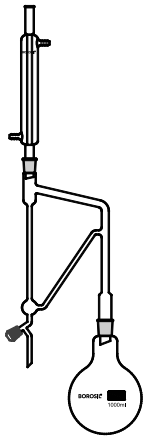


## 3450-ESSENTIAL OIL DETERMINATION APPARATUS

**(Clevenger Apparatus), As per IS 1797**

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3450029 | 1000 | 1 Set | **9055.00** |
| 3450030 | 2000 | 1 Set | **On request** |
| 3450033 | 5000 | 1 Set | **On request** |
| 3450038 | 10000 | 1 Set | **On request** |
| 3450040 | 20000 | 1 Set | **On request** |
| **Spare parts available on request** | | | |



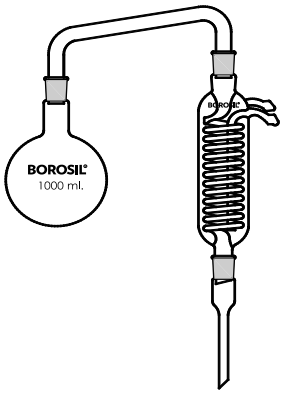


## 3451-ESSENTIAL OIL DETERMINATION APPARATUS

**(Clevenger Apparatus)**

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3451029 | 1000 | 1 Set | **9055.00** |
| 3451030 | 2000 | 1 Set | **On request** |
| 3451033 | 5000 | 1 Set | **On request** |
| 3451038 | 10000 | 1 Set | **On request** |
| 3451040 | 20000 | 1 Set | **On request** |

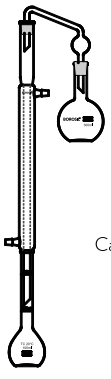
**Spare parts available on request**




## 3452 - ALCOHOL DISTILLATION UNIT

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3452029 | 1000 | 1 Set | **11255.00** |

**Spare parts available on request**



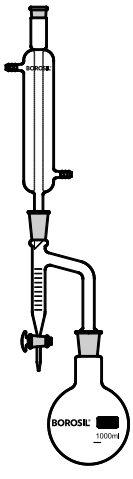
Cat No, 3454A22

## 3454 - R M VALUE APPARATUS

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3454022 | 300 | 1 | **2965.00** |
| 3454A22* | 300 | 1 | **4200.00** |

* s per IS 548 Part I Standard

**Spare parts available on request**



## 3602- DEAN STARK DISTILLING APPARATUS

**As per IP**

| Product Code | Capacity of Receiver ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3602006 | 10 | 2 Set | **3175.00** |

**Spare parts available on request**

Receiver 5ml / 10 ml graduated with19 / 26 outer joint and 24 / 29 inner joint, note: 10 ml receiver is graduated from 1 m l to 10 ml in 0.1 m l intervals
Round bottom flask 1000 ml with 24 / 29 outer joint
Liebig condenser 200 mm with 19 / 26 joint

# ON DEMAND DISTILLATION UNIT

Single Stage & Two Stage Distillation Units

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | SDU1500 | SDU2500 | SDU4000 | DDU1500 | DDU2500 | DDU4000 |
|---|---|---|---|---|---|---|
| Capacity Distilled Water Output | 1.5 LPH | 2.5LPH | 4LPH | 1.5 LPH | 2.5LPH | 4LPH |
| Minimum cooling water requirement (Ltr/min) | 1 | 1.5 | 2 | 1 | 1.5 | 2 |
| Heater | Quartz | Quartz | Quartz | Quartz | Quartz | Quartz |
| Boiler | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 |
| Condenser | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 |
| Biological Activity | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free |
| Conductivity S/cm* | <3 x 10-6 | <3 x 10-6 | <3 x 10-6 | <1 x 10-6 | <1 x 10-6 | <1 x 10-6 |
| Power consumption (kw) | 1.5kW | 2.2kW | 3.5kW | 3kW | 4.4kW | 7kW |
| Voltage (V) | 230V | 230V | 230V | 230V | 230V | 230V |
| Dimensions (L x B x H) in mm | 640x255x440 | 650x255x440 | 650x255x440 | 650x630x520 | 650x630x520 | 650x630x520 |
| Ordering Information | SDU1500000 | SDU2500000 | SDU4000000 | DDU1500000 | DDU2500000 | DDU4000000 |
| List Price | 41900.00 | 58400.00 | 65000.00 | 66200.00 | 107500.00 | 116900.00 |

HSN Code : 84198990

* Inlet water TDS < 100 ppm

## LIST OF SPARES

| Description | SAP Code | List Price |
|---|---|---|
| Ceramic Heater_Quartz tube-1.5 L Accs | BLA0CRH12KW15LHQRT | **11470.00** |
| Ceramic Heater_Quartz tube-2.5 L Accs | BLA0CRH02KW25LHQRT | **12580.00** |
| Ceramic Heater_Quartz tube-4 L Accs | BLA0CRH03KW04LHQRT | **17020.00** |
| WDU 1.5 Ltr Boiler ACCS | BLAPSDU1500BOIL000 | **11470.00** |
| WDU 2.5 ltr Boiler ACCS | BLAPSDU2500BOIL000 | **14060.00** |
| WDU 4.0 LTR Boiler ACCS | BLAPSDU4000BOIL000 | **17760.00** |
| 1.5 Ltr Condenser ACCS | BLAPSDU1500CON0000 | **8140.00** |
| 2.5 Ltr Condenser ACCS | BLAPSDU2500CON0000 | **12580.00** |
| 4.0 Ltr Condenser ACCS | BLAPSDU4000CON0000 | **15170.00** |
| SDU PCB ASM ACCS | BLA0PCB00000SDU150 | **6250.00** |
| DDU PCB ASM ACCS | BLA0PCB0000DDU0ASM | **6550.00** |

# MONO QUARTZ DISTILLATION UNITS

Manufactured from quartz, providing quick & continuous purified water with smaller foot print in laboratories

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | 3363042 | 3363043 | 3363038 | 3364042 | 3364033 |
|---|---|---|---|---|---|
| Capacity Distilled Water Output | 2.5 LPH | 5 LPH | 10LPH | 2.5LPH | 5LPH |
| Minimum cooling water requirement (Ltr/min) | 1 | 2 | 2.5 | 1 | 2 |
| Heater | Quartz | Quartz | Quartz | Quartz | Quartz |
| Boiler | Quartz | Quartz | Quartz | Quartz | Quartz |
| Condenser | Boro 3.3 | Boro 3.3 | Boro 3.3 | Quartz | Quartz |
| Biological Activity | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free |
| Conductivity S/cm* | <3 x 10-6 | <3 x 10-6 | <3 x 10-6 | <3 x 10-6 | <3 x 10-6 |
| Power consumption (kw) | 2.2 kW | 4.4kW | 8.8 kW | 2.2 kW | 4.4 kW |
| Voltage (V) | 230V | 230V | **440V - 3Phase** | 230V | 230V |
| Ordering Information | 3363042 | 3363033 | 3363038 | 3364042 | 3364033 |
| **List Price** | **40600.00** | **75600.00** | **172700.00** | **68900.00** | **132100.00** |
| Accessory - DAPS Code | 3366342 | 3366333 | 3366338 | 3366442 | 3366433 |
| **DAPS List Price** | **13900.00** | **15500.00** | **28700.00** | **13900.00** | **15400.00** |

HSN Code : 84194090

* Inlet water TDS < 100 ppm

### LIST OF SPARES

| Description | SAP Code | List Price |
|---|---|---|
| Quartz Boiler 2.5LPH | 363012 | **28300.00** |
| Quartz Boiler 5LPH | 363032 | **55800.00** |
| Quartz Boiler 10LPH | 363S02 | **97800.00** |
| Borosilicate Condenser 2.5LPH | 362022 | **5400.00** |
| Borosilicate Condenser 5LPH | 0363S00 | **18400.00** |
| Borosilicate Condenser 10LPH | 0363S03 | **37300.00** |
| Quartz Condenser 2.5LPH | 364023 | **28100.00** |
| Quartz Condenser 5LPH | 364S01 | **64700.00** |

# WATER SOFTENER

Used in sodium form to remove hardness due to Ca & Mg ions & effective for water where hardness is 200-300 ppm max.

### TECHNICAL DATA & ORDERING INFORMATION

| Description | Product Code | List Price |
|---|---|---|
| Water Softener | BT603367000 | **23600.00** |

HSN Code : 84798999



an ISO 9001: 2015 certified company | PRICES EXCLUSIVE OF TAXES
For support. **call us 1800 224 551** or **mail us : lab.support@borosil.com**

# ALL QUARTZ DOUBLE DISTILLATION UNIT

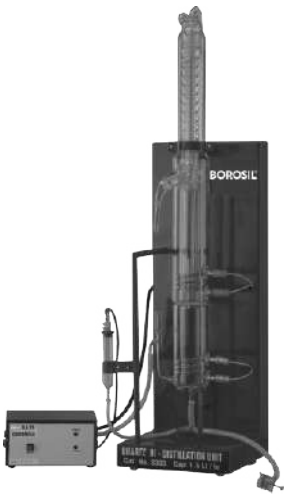
All quartz innovative & compact design offers consistent purified water in two distillation stages

### TECHNICAL DATA & ORDERING INFORMATION

| Model name | 3365041 | 3365042 | 3365033 |
|---|---|---|---|
| Capacity Distilled Water Output | 1.5 LPH | 2.5 LPH | 5 LPH |
| Minimum cooling water requirement (Ltr/min) | 1 | 2 | 2.5 |
| Heater | Quartz | Quartz | Quartz |
| Boiler | Quartz | Quartz | Quartz |
| Condenser | Quartz | Quartz | Quartz |
| Biological Activity | Pyrogen Free | Pyrogen Free | Pyrogen Free |
| Conductivity S/cm* | <1 x 10-6 | <1 x 10-6 | <1 x 10-6 |
| Power consumption (kw) | 3 kW | 4.4kW | 8.8 kW |
| Voltage (V) | 230V | 230V | **440V - 3Phase** |
| Ordering Information | 3365041 | 3365042 | 3365033 |
| **List Price** | **102700.00** | **206600.00** | **377000.00** |
| Accessory - DAPS | 3366541 | 3366542 | 3366533 |
| **DAPS List Price** | **14700.00** | **15400.00** | **29100.00** |

HSN Code : 84194090

* Inlet water TDS < 100 ppm




### LIST OF SPARES

| Description | SAP Code | List Price |
|---|---|---|
| Quartz Boiler 1.5LPH | 362013 | **29200.00** |
| Quartz Boiler 2.5LPH | 362014 | **36500.00** |
| Quartz Boiler 5LPH | 0362S04 | **57400.00** |
| Quartz Secondary Boiler - Condenser 1.5LPH | 362015 | **91400.00** |
| Quartz Secondary Boiler - Condenser 2.5LPH | 362016 | **127200.00** |
| Quartz Secondary Boiler - Condenser 5LPH | 0363S05 | **245800.00** |
| Receiving Adapter with Spring | 362063 | **2000.00** |
| Silicon "O" Ring | 362052 | **600.00** |

# SILICONE TUBING FOR DISTILLATION UNIT & LABORATORY APPLICATION

Silicone tubing is used for laboratory and industrial applications only. It should not be used for implants, human reproductive system and other medical applications.

### TECHNICAL DATA & ORDERING INFORMATION

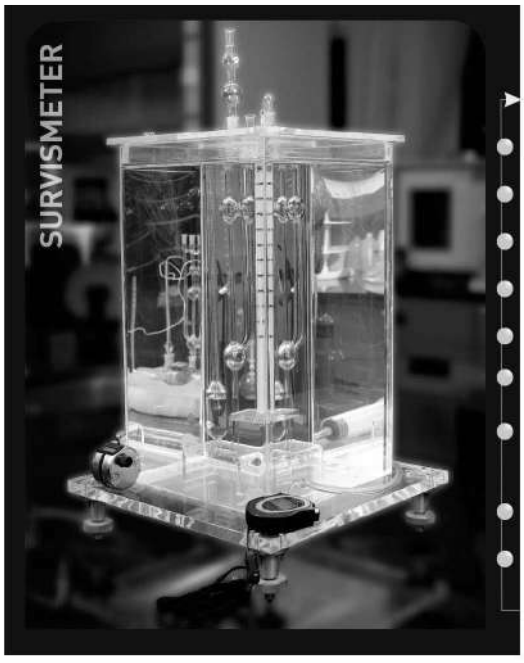
| Product Code | Size mm | Quantity per case | HSN Code | List Price |
|---|---|---|---|---|
| 3369001 | 4 mm ID x 7 mm OD | 1 | 40091100 | **1700.00** |
| 3369002 | 6 mm ID x 9 mm OD | 1 | 40091100 | **2200.00** |
| 3369003 | 8 mm ID x 12 mm OD | 1 | 40091100 | **4600.00** |
| 3369004 | 10 mm ID x 14 mm OD | 1 | 40091100 | **5700.00** |

HSN Code : 40091100

# BOROSIL®

# Mansingh Survismeter

(Singapore Govt. Patent No. 126089




**Features**

- **Multi data device**
- **Vibration free transparent casing**
- **Easy handling**
- **Easy sampling**
- **Easy data process**
- **No air contamination because the sample is jacketed within respective bulbs**
- **Boon for physicochemical characterization of volatile, inflammables, carcinogenic liquids**
- **Eco-friendly**
- **Homogeneous Temperature control**

| Cat. No. | Description | Quantity Per Case | Price ₹ |
|---|---|---|---|
| 3453 | Borosil Mansingh Survismeter For Measurement of surface Tension and Viscocity | 1 Set | **117000.00** |

For centuries, surface tension (γ )and viscosity (η ) data have been measured using separate instruments, resulting in wastage of time and materials. Made of Borosil Glass material, Borosil Mansingh Survismeter has been designed to measure surface tension, interfacial tension, wetting coefficient, viscosity and friccohesity data to rationalise frictional and cohesive forces, respectively. Friccohesity focuses on a complete friccochemistry of giants and supramolecular mixtures.

Borosil Mansingh Survismeter is a state-of-the-art apparatus for measurement of surface tension (±0.01 mN/m), interfacial tension

(±0.01 mN/m), viscosity (±$10^{-4}$ mPa.S), wetting coefficient (±0.01 mPa.$cm^2$) friccohesity (±$10^{-6}$s/cm) and related physicochemical parameters generated from intramolecular electrostatical shifts.

Borosil Mansingh Survismeter, being a green science TSAD (Trusted Sustainable Analytical Device), measures the above mentioned PCI (PhysicoChemical Indicators), while simultaneously saving 98% of experimental resources, infrastructure and skilled manpower, for interacting and reacting molecular materials.

A breakthrough in laboratory instruments, Borosil Mansingh Survismeter has wider analytical potential for quality control and formulations in material applied sciences. It has unique essential facilities and cutting edge features based on 'On & Off' or '0 & 1' circuitry functional loops.

Fundamentally, Borosil Mansingh Survismeter measures surface tension, interfacial tension, wetting coefficient, viscosity and friccohesity simultaneously of aqueous, non-aqueous, aprotic dipolar, polar, protic polar and non-polar solvents and mixtures within wider ranges.

- The absolute and relative parameters are measured with 95.5% CV (Confidence Variance).
- It works on the theory of R4M4 [Reduce Reuse Recycle Redesign - Multipurpose Multidimensional Multifaceted Multitracking of materials and methods with highly précised and accurate experimental results, along with 100% inhibition of polluting discharges in experimental determinations.

- The parameters measured with Borosil Mansingh Survismeter are highly significant and reliable for quality analysis of pharmaceuticals, biochemicals, cosmetics, agrochemicals, food and beverages, petroleum and oils, polymer and proteins, sol gels, soaps and detergents, inks, colloids, emulsion technology, pesticides, agrochemicals, insecticides, cutting oils, lubricating, viscous, moderately viscous and highly viscous materials.
- It is especially useful for characterising liquid mixtures of biopolymers, supramolecular chemistry, biotechnological processes and molecular interaction engineering of biomolecular devices, tracking interaction molecular forces, water binding capacities and structural changes during processes.
- It explains the features of Intramolecular Multiple Force Theory (IMMFT) applicable to giant supramolecules, dendrimers and biocomplexes used in several adverse temperature and pressure conditions.
- Borosil Mansingh Survismeter is an asset in case of volatile, moderately and highly volatile liquids and mixtures, volatile organic compounds, flammable liquids and carcinogenic materials as the samples are completely jacketed especially for surface tension, interfacial tension and wetting coefficient determinations.

**Merits of Borosil Mansingh Survismeter** :

- Fast and multipurpose technology
- Eco-friendly and user-friendly
- Reduces fabrication expenditure
- Reduces the need for glass blowing gases, oxygen gas, LPG and manpower
- Reduces emission of heat into the environment
- Ensures safety during transport and maintenance
- Reduces chemicals and solvents greatly
- Contributes to the promotion of green chemistry
- Innovative for youngsters
- No wastage of the sample
- Requires a smaller sample
- Less time required for analysis
- Requires no basic maintenance
- Non-destructive
- Reduces cleaning reagents
- Reduces the number of operational steps in measurement
- Minimises the infrastructure as compared to individual devices

**Industrial Applications**

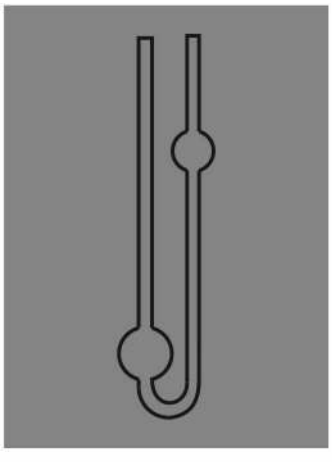
Industries such as cosmetics, soaps and detergents, petroleum and oils, pesticides, beverages, textiles, paints, polymers and textiles, paper pulp, ink and dyes, medicines and drugs, food and mineral water, and coolants and lubricants will directly benefit from the use of Borosil Mansingh Survismeter.

# Viscometer

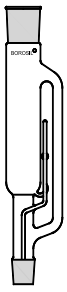
## 3500-VISCOMETER COLLEGE PATTERN
**Oswal 80 -100 Seconds, Uncertified**

| Product Code | Size | Nominal Constant | Viscocity Range (CS) | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3500 | O | 0.001 | 0.3 - 3 | 1 | **2035.00** |

- Supplied without Certificate

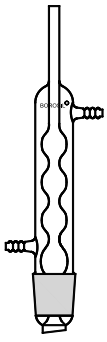


# Extractors



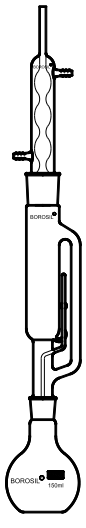
## 3740 - SOXHLET FOR EXTRACTION APPARATUS

| Product Code | Capacity ml | Interchangeable Joints | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| | | Socket | Cone | | |
| 3740013 | 60 | 34 / 35 | 24 / 29 | 5 | **950.00** |
| 3740016 | 100 | 40 / 38 | 24 / 29 | 5 | **1345.00** |
| 3740020 | 200 | 50 / 42 | 24 / 29 | 5 | **1620.00** |



## 3741 - CONDENSER FOR EXTRACTION APPARATUS

| Product Code | Capacity ml | Interchangeable Joints Cone | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3741013 | Small | 34 / 35 | 5 | **775.00** |
| 3741016 | Medium | 40 / 38 | 5 | **970.00** |
| 3741020 | Large | 50 / 42 | 5 | **1400.00** |

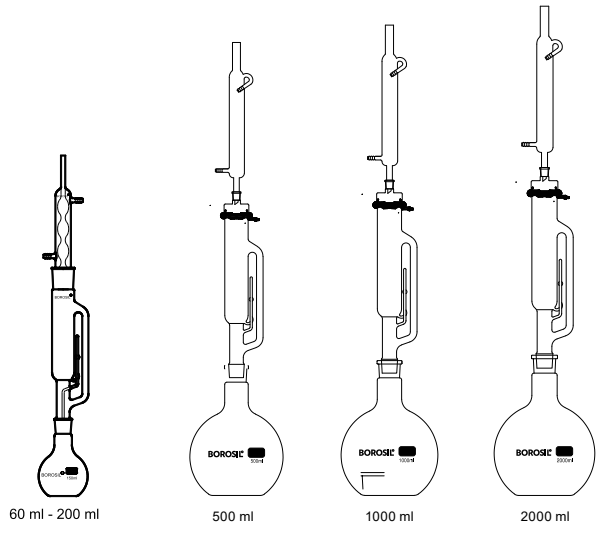


## 3840 - SOXHLET EXTRACTION APPARATUS SET

| Product Code | Capacity ml | Flask Size ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3840013 | 60 | 150 | 1 | **1975.00** |
| 3840016 | 100 | 250 | 1 | **2325.00** |
| 3840020 | 200 | 500 | 1 | **3830.00** |
| 3840024 | 500* | 2000 | 1 | **13885.00** |
| 3840029 | 1000* | 3000 | 1 | **20740.00** |
| 3840030 | 2000* | 5000 | 1 | **35015.00** |

**Spares are available on request**

For flask refer Product Code 4100
* Extractor Supplied are with double surface condenser for higher cooling capacity & flange type soxhlet extractors

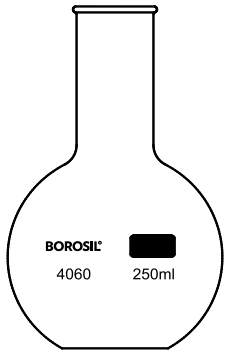


# Flasks

## 4060 - FLAT BOTTOM FLASK Narrow Mouth

| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4060009 | 25** | 42 x 90 | 20 | 50 | **110.00** |
| 4060012 | 50 | 51 x 90 | 26 | 50 | **130.00** |
| 4060016 | 100 | 64 x 105 | 26 | 80 | **140.00** |
| 4060018 | 150** | 75 x 132 | 28 | 10 | **155.00** |
| 4060021 | 250 | 85 x 140 | 34 | 80 | **165.00** |
| 4060022 | *300** | 88 x 160 | 24 | 20 | **230.00** |
| 4060024 | 500 | 105 x 165 | 34 | 40 | **270.00** |
| 4060029 | 1000 | 131 x 190 | 42 | 20 | **420.00** |
| 4060030 | 2000 | 166 x 230 | 50 | 2 | **800.00** |
| 4060031 | 3000 | 186 x 300 | 50 | 4 | **2170.00** |
| 4060033 | 5000 | 224 x 320 | 58 | 2 | **3335.00** |
| 4060034 | 6000 | 236 x 315 | 65 | 1 | **4820.00** |
| 4060038 | 10000 | 279 x 360 | 65 | 1 | **7780.00** |
| 4060040 | 20000 | 350 x 495 | 78 | 1 | **12950.00** |

* Suitable for use in Polenske Apparatus** Not covered in standards

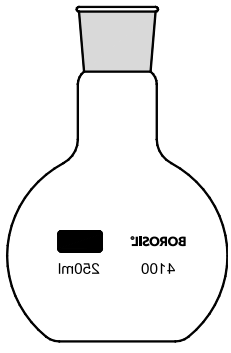



## 4100 - FLAT BOTTOM FLASK

### Narrow Mouth, Short Neck With I/C Joint

| Product Code | Capacity ml | Interchangeable Joint | Approx Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4100018 | 150 | 24 / 29 | 115 | 5 | **245.00** |
| 4100021 | 250 | 24 / 29 | 130 | 5 | **265.00** |
| 4100024 | 500 | 24 / 29 | 160 | 5 | **375.00** |
| 4100029 | 1000* | 34 / 35 | 288 | 2 | **495.00** |
| 4100030 | 2000* | 34 / 35 | 321 | 2 | **880.00** |
| 4100031 | 3000* | 34 / 35 | 345 | 2 | **2410.00** |
| 4100033 | 5000* | 34 / 35 | 381 | 2 | **4100.00** |

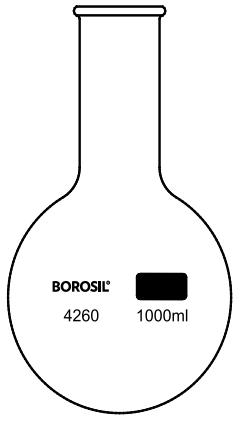
* These are specific flasks with long neck 34/35 joint used in jewellery manufacturers

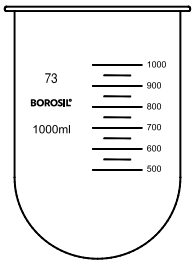


## 4260 - ROUND BOTTOM FLASK Narrow Mouth

| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4260009 | 25** | 42 x 90 | 22 | 50 | **110.00** |
| 4260012 | 50 | 51 x 95 | 26 | 70 | **125.00** |
| 4260016 | 100 | 64 x 110 | 26 | 50 | **140.00** |
| 4260018 | 150** | 75 x 137 | 28 | 10 | **155.00** |
| 4260021 | 250 | 85 x 143 | 34 | 80 | **155.00** |
| 4260024 | 500 | 105 x 168 | 34 | 40 | **270.00** |
| 4260029 | 1000 | 131 x 200 | 42 | 20 | **365.00** |
| 4260030 | 2000 | 166 x 240 | 51 | 2 | **810.00** |
| 4260031 | 3000 | 187 x 305 | 50 | 2 | **2125.00** |
| 4260033 | 5000 | 224 x 350 | 58 | 2 | **3295.00** |
| 4260034 | 6000 | 236 x 330 | 65 | 1 | **4305.00** |
| 4260038 | 10000 | 279 x 380 | 65 | 1 | **6885.00** |
| 4260040 | 20000 | 350 x 505 | 78 | 1 | **12900.00** |

** Not covered in standards

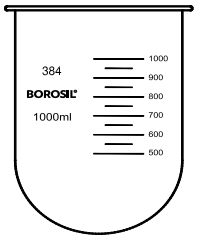


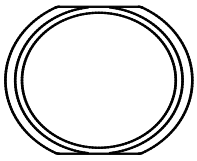



## 4265 - DISSOLUTION E-FLASK

**Clear, USP, With Certificate**

| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4265029 | 1000 | 131 x 173 | 6 | **3125.00** |



## 4266 - DISSOLUTION L-FLASK

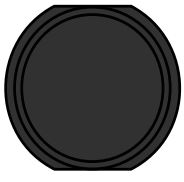
**Clear, USP, With Certificate**

| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4266029 | 1000 | 124 x 173 | 6 | **3335.00** |

## 4267 - DISSOLUTION E-FLASK

**Amber, USP, With Certificate**

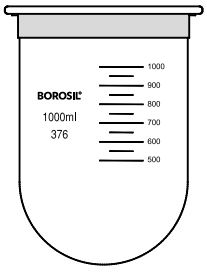
| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4267029 | 1000 | 131 x 173 | 6 | **5630.00** |



## 4268 - DISSOLUTION L-FLASK

**Amber, USP, With Certificate**

| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4268029 | 1000 | 124 x 173 | 6 | **6170.00** |




## 4270 - DISSOLUTION D-FLASKS

| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4270029 | 1000 | 132 x 168 | 6 | **11470.00** |

## 4315 - PEAR SHAPE FLASK

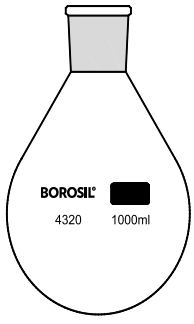
**With I/C Joint**

| Product Code | Capacity ml | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4315005 | 5 | 10 / 19 | 10 | **175.00** |
| 4315105 | 5 | 14 / 23 | 10 | **175.00** |
| 4315006 | 10 | 10 / 19 | 10 | **190.00** |
| 4315106 | 10 | 14 / 23 | 10 | **190.00** |
| 4315009 | 25 | 14 / 23 | 5 | **210.00** |
| 4315012 | 50 | 14 / 23 | 10 | **235.00** |

## 4320 - ROTARY EVAPORATOR FLASK

**With I/C Joint**

| Product Code | Capacity ml | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4320112 | 50 | 24 / 29 | 2 | **1135.00** |
| 4320012 | 50 | 29 / 32 | 2 | **1200.00** |
| 4320116 | 100 | 24 / 29 | 2 | **1800.00** |
| 4320016 | 100 | 29 / 32 | 2 | **1925.00** |
| 4320121 | 250 | 24 / 29 | 2 | **2710.00** |
| 4320021 | 250 | 29 / 32 | 2 | **2855.00** |
| 4320124 | 500 | 24 / 29 | 2 | **3100.00** |
| 4320024 | 500 | 29 / 32 | 2 | **3220.00** |
| 4320129 | 1000 | 24 / 29 | 2 | **5475.00** |
| 4320029 | 1000 | 29 / 32 | 2 | **5605.00** |
| 4320130 | 2000 | 24 / 29 | 2 | **7060.00** |
| 4320030 | 2000 | 29 / 32 | 2 | **7240.00** |




## 4330 - REACTION VESSEL FLASK

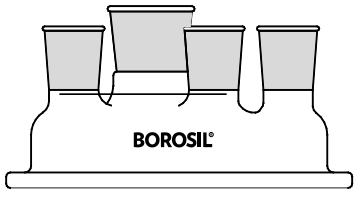
Wide Mouth With Flange

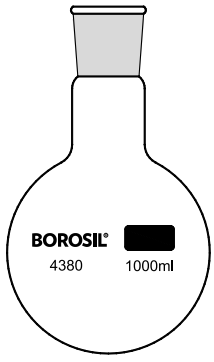
| Product Code | Capacity ml | Approx Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4330029 | 1000 | 170 | 2 | **2000.00** |
| 4330030 | 2000 | 205 | 2 | **2715.00** |
| 4330033 | 5000 | 260 | 2 | **5945.00** |
| 4330038 | 10000 | 335 | 1 | **12550.00** |
| 4330040 | 20000 | 400 | 1 | **21595.00** |

## 4331 - LID FOR REACTION VESSEL FLASK

**(Cat. No. 4330)**

| Product Code | Interchangeable Joint Size | | | | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|---|
| | Centre | Parellel | Side 50° | Side 10° | Side 15° | | |
| 4331Z97 | 19 / 26 | 19 / 26 | 24 / 29 | 19 / 26 | - | 2 | **4680.00** |
| 4331Z98 | 19 / 26 | 14 / 23 | 14 / 23 | 14 / 23 | 29 / 32 | 2 | **4680.00** |
| 4331Z99 | 29 / 32 | 14 / 23 | 14 / 23 | 14 / 23 | 29 / 32 | 2 | **4680.00** |






# 4380 - ROUND BOTTOM FLASK

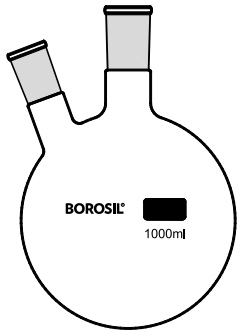
## Narrow Mouth, Short Neck With I/C Joint

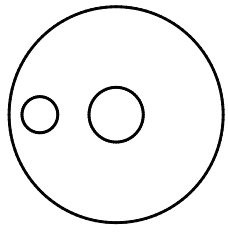
| Product Code | Capacity ml | Approx Height mm | Interchange-able Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4380A05 | 5 | 60 | 14 / 23 | 10 | **210.00** |
| 4380A06 | 10 | 70 | 14 / 23 | 10 | **210.00** |
| 4380A09 | 25 | 80 | 14 / 23 | 10 | **210.00** |
| 4380B09 | 25 | 77 | 19 / 26 | 10 | **210.00** |
| 4380A12 | 50 | 95 | 14 / 23 | 5 | **210.00** |
| 4380B12 | 50 | 95 | 19 / 26 | 5 | **210.00** |
| 4380C12 | 50 | 95 | 24 / 29 | 5 | **210.00** |
| 4380D12 | 50 | 95 | 29 / 32 | 5 | **210.00** |
| 4380E12 | 50 | 95 | 34 / 35 | 5 | **210.00** |
| 4380A16 | 100 | 120 | 14 / 23 | 20 | **210.00** |
| 4380B16 | 100 | 120 | 19 / 26 | 20 | **210.00** |
| 4380C16 | 100 | 120 | 24 / 29 | 20 | **210.00** |
| 4380D16 | 100 | 120 | 29 / 32 | 20 | **210.00** |
| 4380E16 | 100 | 120 | 34 / 35 | 20 | **210.00** |
| 4380A21 | 250 | 140 | 14 / 23 | 20 | **270.00** |
| 4380B21 | 250 | 140 | 19 / 26 | 20 | **270.00** |
| 4380C21 | 250 | 140 | 24 / 29 | 20 | **270.00** |
| 4380D21 | 250 | 140 | 29 / 32 | 20 | **270.00** |
| 4380E21 | 250 | 140 | 34 / 35 | 20 | **270.00** |
| 4380A24 | 500 | 170 | 14 / 23 | 10 | **380.00** |
| 4380B24 | 500 | 170 | 19 / 26 | 10 | **380.00** |
| 4380C24 | 500 | 170 | 24 / 29 | 10 | **380.00** |
| 4380D24 | 500 | 170 | 29 / 32 | 10 | **380.00** |
| 4380E24 | 500 | 170 | 34 / 35 | 10 | **380.00** |
| 4380A29 | 1000 | 210 | 19 / 26 | 10 | **515.00** |
| 4380B29 | 1000 | 210 | 24 / 29 | 10 | **515.00** |
| 4380C29 | 1000 | 210 | 29 / 32 | 10 | **515.00** |
| 4380D29 | 1000 | 210 | 34 / 35 | 10 | **515.00** |
| 4380E29 | 1000 | 210 | 45 / 40 | 10 | **515.00** |
| 4380F29 | 1000 | 210 | 55 / 44 | 10 | **515.00** |
| 4380A30 | 2000 | 240 | 24 / 29 | 4 | **995.00** |
| 4380B30 | 2000 | 240 | 29 / 32 | 4 | **995.00** |
| 4380C30 | 2000 | 240 | 34 / 35 | 4 | **995.00** |
| 4380D30 | 2000 | 240 | 45 / 40 | 4 | **995.00** |
| 4380A31 | 3000 | 240 | 24 / 29 | 4 | **2795.00** |
| 4380B31 | 3000 | 265 | 29 / 32 | 4 | **2795.00** |
| 4380C31 | 3000 | 265 | 34 / 35 | 4 | **2795.00** |
| 4380D31 | 3000 | 265 | 45 / 40 | 4 | **2795.00** |
| 4380E31 | 3000 | 265 | 55 / 44 | 4 | **2795.00** |
| 4380A33 | 5000 | 300 | 24 / 29 | 2 | **4270.00** |
| 4380B33 | 5000 | 300 | 29 / 32 | 2 | **4270.00** |
| 4380C33 | 5000 | 300 | 34 / 35 | 2 | **4270.00** |
| 4380D33 | 5000 | 300 | 45 / 40 | 2 | **4270.00** |
| 4380E33 | 5000 | 300 | 55 / 44 | 2 | **4270.00** |
| 4380A38 | 10000 | 385 | 34 / 35 | 1 | **8625.00** |
| 4380B38 | 10000 | 385 | 45 / 40 | 1 | **8625.00** |
| 4380C38 | 10000 | 385 | 55 / 44 | 1 | **8625.00** |
| 4380A40 | 20000 | 435 | 55 / 44 | 1 | **14925.00** |

# 4381 - ROUND BOTTOM FLASK

## 2 Necks, Angular

| Product Code | Capacity ml | Interchangeable Joint Size | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| | | Centre Neck | Side Neck | | |
| 4381A16 | 100 | 19 / 26 | 14 / 23 | 4 | **305.00** |
| 4381B16 | 100 | 24 / 29 | 14 / 23 | 4 | **305.00** |
| 4381C16 | 100 | 24 / 29 | 19 / 26 | 4 | **305.00** |
| 4381A21 | 250 | 24 / 29 | 14 / 23 | 4 | **405.00** |
| 4381B21 | 250 | 24 / 29 | 19 / 26 | 4 | **405.00** |
| 4381A24 | 500 | 24 / 29 | 14 / 23 | 4 | **590.00** |
| 4381B24 | 500 | 24 / 29 | 19 / 26 | 4 | **590.00** |
| 4381A29 | 1000 | 24 / 29 | 14 / 23 | 2 | **730.00** |
| 4381B29 | 1000 | 24 / 29 | 19 / 26 | 2 | **730.00** |
| 4381A30 | 2000 | 24 / 29 | 14 / 23 | 2 | **1295.00** |
| 4381B30 | 2000 | 24 / 29 | 19 / 26 | 2 | **1295.00** |
| 4381C30 | 2000 | 34 / 35 | 19 / 26 | 2 | **1295.00** |
| 4381A31 | 3000 | 34 / 35 | 19 / 26 | 2 | **3500.00** |
| 4381B31 | 3000 | 34 / 35 | 24 / 29 | 2 | **3500.00** |
| 4381A33 | 5000 | 34 / 35 | 19 / 26 | 1 | **5135.00** |
| 4381B33 | 5000 | 34 / 35 | 24 / 29 | 1 | **5135.00** |
| 4381A38 | 10000 | 34 / 35 | 24 / 29 | 1 | **9235.00** |
| 4381B38 | 10000 | 55 / 44 | 24 / 29 | 1 | **9235.00** |
| 4381A40 | 20000 | 55 / 44 | 24 / 29 | 1 | **15370.00** |



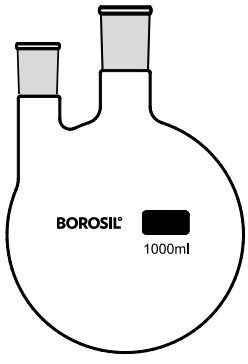
Top View

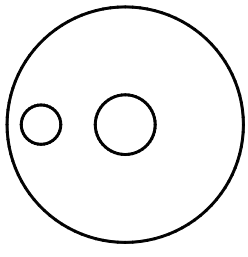
- Till stock lasts.
- Neck sizes and angles can be made as per customer specifications
- Delivery time 4 to 5 weeks from the date of confirmed order
- Prices will be quoted as per the required customer specifications

# 4382 - ROUND BOTTOM FLASK

## 2 Necks, Parallel

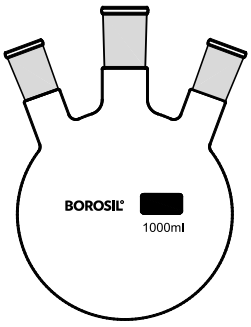
| Product Code | Capacity ml | Interchangeable Joint Size | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| | | Centre Neck | Side Neck | | |
| 4382A16 | 100 | 19 / 26 | 14 / 23 | 4 | **305.00** |
| 4382B16 | 100 | 24 / 29 | 14 / 23 | 4 | **305.00** |
| 4382C16 | 100 | 24 / 29 | 19 / 26 | 4 | **305.00** |
| 4382A21 | 250 | 24 / 29 | 14 / 23 | 4 | **405.00** |
| 4382B21 | 250 | 24 / 29 | 19 / 26 | 4 | **405.00** |
| 4382A24 | 500 | 24 / 29 | 14 / 23 | 4 | **590.00** |
| 4382B24 | 500 | 24 / 29 | 19 / 26 | 4 | **590.00** |
| 4382A29 | 1000 | 24 / 29 | 14 / 23 | 2 | **730.00** |
| 4382B29 | 1000 | 24 / 29 | 19 / 26 | 2 | **730.00** |
| 4382A30 | 2000 | 24 / 29 | 14 / 23 | 2 | **1295.00** |
| 4382B30 | 2000 | 24 / 29 | 19 / 26 | 2 | **1295.00** |
| 4382C30 | 2000 | 34 / 35 | 19 / 26 | 2 | **1295.00** |
| 4382A31 | 3000 | 34 / 35 | 19 / 26 | 2 | **3500.00** |
| 4382B31 | 3000 | 34 / 35 | 24 / 29 | 2 | **3500.00** |
| 4382A33 | 5000 | 34 / 35 | 19 / 26 | 1 | **5135.00** |
| 4382B33 | 5000 | 34 / 35 | 24 / 29 | 1 | **5135.00** |
| 4382A38 | 10000 | 34 / 35 | 24 / 29 | 1 | **9235.00** |
| 4382B38 | 10000 | 55 / 44 | 24 / 29 | 1 | **9235.00** |
| 4382A40 | 20000 | 55 / 44 | 24 / 29 | 1 | **15375.00** |

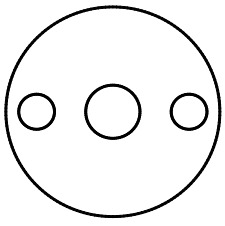


Top View

- Till stock lasts.
- Neck sizes and angles can be made as per customer specifications
- Delivery time 4 to 5 weeks from the date of confirmed order
- Prices will be quoted as per the required customer specifications



Top View

# 4383 - ROUND BOTTOM FLASK

## 3 Necks, Angular

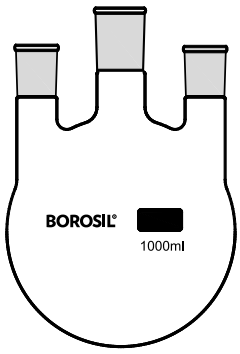
| Product Code | Capacity ml | Interchangeable Joint Size | | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| | | Centre Neck | Side Neck | Side Neck | | |
| 4383A16 | 100 | 19 / 26 | 14 / 23 | 14 / 23 | 4 | **425.00** |
| 4383B16 | 100 | 14 / 23 | 14 / 23 | 14 / 23 | 4 | **425.00** |
| 4383C16 | 100 | 24 / 29 | 14 / 23 | 14 / 23 | 4 | **425.00** |
| 4383D16 | 10 0 | 24 / 29 | 19 / 26 | 19 / 26 | 4 | **425.00** |
| 4383A21 | 250 | 19 / 26 | 14 / 23 | 14 / 23 | 4 | **540.00** |
| 4383B21 | 250 | 19 / 26 | 19 / 26 | 19 / 26 | 4 | **540.00** |
| 4383C21 | 250 | 24 / 29 | 14 / 23 | 14 / 23 | 4 | **540.00** |
| 4383D21 | 250 | 24 / 29 | 19 / 26 | 19 / 26 | 4 | **540.00** |
| 4383A24 | 500 | 19 / 26 | 14 / 23 | 14 / 23 | 4 | **810.00** |
| 4383B24 | 500 | 19 / 26 | 19 / 26 | 19 /26 | 4 | **810.00** |
| 4383C24 | 500 | 24 / 29 | 14 / 23 | 14 / 23 | 4 | **810.00** |
| 4383D24 | 500 | 24 / 29 | 19 / 26 | 19 /26 | 4 | **810.00** |
| 4383A29 | 1000 | 24 / 29 | 14 / 23 | 14 / 23 | 2 | **1000.00** |
| 4383B29 | 1000 | 24 / 29 | 19 / 26 | 19 / 26 | 2 | **1000.00** |
| 4383C29 | 1000 | 34 / 35 | 24 / 29 | 24 / 29 | 2 | **1000.00** |
| 4383D29 | 1000 | 34 / 35 | 19 / 26 | 19 / 26 | 2 | **1000.00** |
| 4383A30 | 2000 | 24 / 29 | 14 / 23 | 14 / 23 | 2 | **1810.00** |
| 4383B30 | 2000 | 24 / 29 | 19 / 26 | 19 / 26 | 2 | **1810.00** |
| 4383C30 | 2000 | 34 / 35 | 19 / 26 | 19 / 26 | 2 | **1810.00** |
| 4383D30 | 2000 | 34 / 35 | 24 / 29 | 24 / 29 | 2 | **1810.00** |
| 4383A31 | 3000 | 34 / 35 | 19 / 26 | 19 / 26 | 2 | **4510.00** |
| 4383B31 | 3000 | 34 / 35 | 24 / 29 | 24 / 29 | 2 | **4510.00** |
| 4383A33 | 5000 | 34 / 35 | 19 / 26 | 19 / 26 | 1 | **6375.00** |
| 4383B33 | 5000 | 34 / 35 | 24 / 29 | 24 / 29 | 1 | **6375.00** |
| 4383C33 | 5000 | 45 / 40 | 24 / 29 | 24 / 29 | 1 | **6375.00** |
| 4383A38 | 10000 | 34 / 35 | 19 / 26 | 19 / 26 | 1 | **12310.00** |
| 4383B38 | 10000 | 34 / 35 | 24 / 29 | 24 / 29 | 1 | **12310.00** |
| 4383C38 | 10000 | 45 / 40 | 24 / 29 | 24 / 29 | 1 | **12310.00** |
| 4383A40 | 20000 | 55 / 44 | 24 / 29 | 24 / 29 | 1 | **18460.00** |

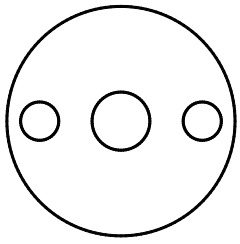
- Till stock lasts.
- Neck sizes and angles can be made as per customer specifications
- Delivery time 4 to 5 weeks from the date of confirmed order
- Prices will be quoted as per the required customer specifications

# 4384 - ROUND BOTTOM FLASK

## 3 Necks, Parallel

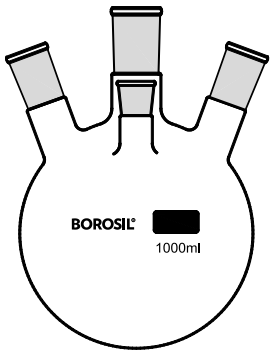
| Product Code | Capacity ml | Interchangeable Joint Size | | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| | | Centre Neck | Side Neck | Side Neck | | |
| 4384A16 | 100 | 19 / 26 | 14 / 23 | 14 / 23 | 4 | **425.00** |
| 4384B16 | 100 | 14 / 23 | 14 / 23 | 14 / 23 | 4 | **425.00** |
| 4384C16 | 100 | 24 / 29 | 14 / 23 | 14 / 23 | 4 | **425.00** |
| 4384D16 | 100 | 24 / 29 | 19 / 26 | 19 / 26 | 4 | **425.00** |
| 4384A21 | 250 | 19 / 26 | 14 / 23 | 14 / 23 | 4 | **540.00** |
| 4384B21 | 250 | 19 / 26 | 19 / 26 | 19 / 26 | 4 | **540.00** |
| 4384C21 | 250 | 24 / 29 | 14 / 23 | 14 / 23 | 4 | **540.00** |
| 4384D21 | 250 | 24 / 29 | 19 / 26 | 19 / 26 | 4 | **540.00** |
| 4384A24 | 500 | 19 / 26 | 14 / 23 | 14 / 23 | 4 | **810.00** |
| 4384B24 | 500 | 19 / 26 | 19 / 26 | 1 9 /26 | 4 | **810.00** |
| 4384C24 | 500 | 24 / 29 | 14 / 23 | 14 / 23 | 4 | **810.00** |
| 4384D24 | 500 | 24 / 29 | 19 / 26 | 19 /26 | 4 | **810.00** |
| 4384A29 | 1000 | 24 / 29 | 14 / 23 | 14 / 23 | 2 | **1000.00** |
| 4384B29 | 1000 | 24 / 29 | 19 / 29 | 19 / 26 | 2 | **1000.00** |
| 4384C29 | 1000 | 34 / 35 | 24 / 29 | 24 / 29 | 2 | **1000.00** |
| 4384D29 | 1000 | 34 / 35 | 19 / 26 | 19 / 26 | 2 | **1000.00** |
| 4384A30 | 2000 | 24 / 29 | 14 / 23 | 14 / 23 | 2 | **1810.00** |
| 4384B30 | 2000 | 24 / 29 | 19 / 26 | 19 / 26 | 2 | **1810.00** |
| 4384C30 | 2000 | 34 / 35 | 19 / 26 | 19 / 26 | 2 | **1810.00** |
| 4384D30 | 2000 | 34 / 35 | 24 / 29 | 24 / 29 | 2 | **1810.00** |
| 4384A31 | 3000 | 34 / 35 | 19 / 26 | 19 / 26 | 2 | **4510.00** |
| 4384B31 | 3000 | 34 / 35 | 24 / 29 | 24 / 29 | 2 | **4510.00** |
| 4384A33 | 5000 | 34 / 35 | 19 / 26 | 19 / 26 | 1 | **6375.00** |
| 4384B33 | 5000 | 34 / 35 | 24 / 29 | 24 / 29 | 1 | **6375.00** |
| 4384C33 | 5000 | 45 / 40 | 24 / 29 | 24 / 29 | 1 | **6375.00** |
| 4384A38 | 10000 | 34 / 35 | 19 / 26 | 19 / 26 | 1 | **12310.00** |
| 4384B38 | 10000 | 34 / 35 | 24 / 29 | 24 / 29 | 1 | **12310.00** |
| 4384C38 | 10000 | 45 / 40 | 24 / 29 | 24 / 29 | 1 | **12310.00** |
| 4384A40 | 20000 | 55 / 44 | 24 / 29 | 24 / 29 | 1 | **18460.00** |

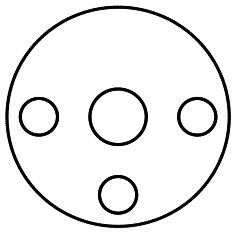


Top View

- Till stock lasts.
- Neck sizes and angles can be made as per customer specifications
- Delivery time 4 to 5 weeks from the date of confirmed order
- Prices will be quoted as per the required customer specifications



Top View

# 4385 - ROUND BOTTOM FLASK

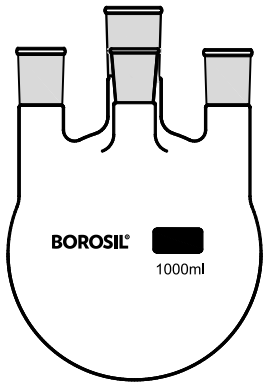
## 4 Necks, Angular

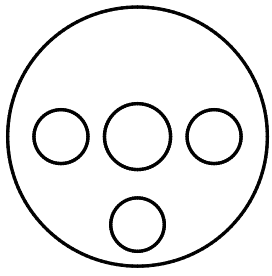
| Product Code | Capacity ml | Interchangeable Joint Size | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| | | Centre Neck | Side Neck | | |
| 4385A12 | 50 | 24 / 29 | 24 / 29 | 4 | **600.00** |
| 4385A16 | 100 | 24 / 29 | 14 / 23 | 4 | **685.00** |
| 4385B16 | 100 | 24 / 29 | 19 / 26 | 4 | **685.00** |
| 4385A21 | 250 | 24 / 29 | 14 / 23 | 4 | **830.00** |
| 4385B21 | 250 | 24 / 29 | 19 / 26 | 4 | **830.00** |
| 4385A24 | 500 | 24 / 29 | 14 / 23 | 4 | **1180.00** |
| 4385B24 | 500 | 24 / 29 | 19 / 26 | 4 | **1180.00** |
| 4385C24 | 500 | 24 / 29 | 24 / 29 | 4 | **1180.00** |
| 4385D24 | 500 | 34 / 35 | 24 / 29 | 4 | **1180.00** |
| 4385A29 | 1000 | 24 / 29 | 14 / 23 | 2 | **1465.00** |
| 4385B29 | 1000 | 24 / 29 | 19 / 26 | 2 | **1465.00** |
| 4385C29 | 1000 | 24 / 29 | 24 / 29 | 2 | **1465.00** |
| 4385D29 | 1000 | 34 / 35 | 24 / 29 | 2 | **1465.00** |
| 4385A30 | 2000 | 24 / 29 | 14 / 23 | 2 | **2430.00** |
| 4385B30 | 2000 | 24 / 29 | 19 / 26 | 2 | **2430.00** |
| 4385C30 | 2000 | 34 / 35 | 19 / 26 | 2 | **2430.00** |
| 4385D30 | 2000 | 34 / 35 | 24 / 29 | 2 | **2430.00** |
| 4385A31 | 3000 | 34 / 35 | 19 / 26 | 2 | **5665.00** |
| 4385B31 | 3000 | 34 / 35 | 24 / 29 | 2 | **5665.00** |
| 4385A33 | 5000 | 34 / 35 | 19 / 26 | 1 | **7765.00** |
| 4385B33 | 5000 | 34 / 35 | 24 / 29 | 1 | **7765.00** |
| 4385A38 | 10000 | 55 / 44 | 24 / 29 | 1 | **13900.00** |
| 4385B38 | 10000 | 34 / 35 | 24 / 29 | 1 | **13900.00** |
| 4385A40 | 20000 | 55 / 44 | 24 / 29 | 1 | **20385.00** |

- Till stock lasts.
- Neck sizes and angles can be made as per customer specifications
- Delivery time 4 to 5 weeks from the date of confirmed order
- Prices will be quoted as per the required customer specifications

## 4386 - ROUND BOTTOM FLASK

### 4 Necks, Parallel



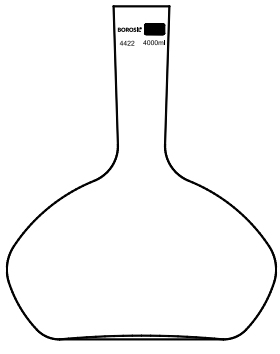
Top View

| Product Code | Capacity ml | Interchangeable Joint Size | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| | | Centre Neck | Side Neck | | |
| 4386A12 | 50 | 24 / 29 | 24 / 29 | 4 | **600.00** |
| 4386A16 | 100 | 24 / 29 | 14 / 23 | 4 | **685.00** |
| 4386B16 | 100 | 24 / 29 | 19 / 26 | 4 | **685.00** |
| 4386A21 | 250 | 24 / 29 | 14 / 23 | 4 | **830.00** |
| 4386B21 | 250 | 24 / 29 | 19 / 26 | 4 | **830.00** |
| 4386A24 | 500 | 24 / 29 | 14 / 23 | 4 | **1180.00** |
| 4386B24 | 500 | 24 / 29 | 19 / 26 | 4 | **1180.00** |
| 4386C24 | 500 | 24 / 29 | 24 / 29 | 4 | **1180.00** |
| 4386D24 | 500 | 34 / 35 | 24 / 29 | 4 | **1180.00** |
| 4386A29 | 1000 | 24 / 29 | 14 / 23 | 2 | **1465.00** |
| 4386B29 | 1000 | 24 / 29 | 19 / 26 | 2 | **1465.00** |
| 4386C29 | 1000 | 24 / 29 | 24 / 29 | 2 | **1465.00** |
| 4386D29 | 1000 | 34 / 35 | 24 / 29 | 2 | **1465.00** |
| 4386A30 | 2000 | 24 / 29 | 14 / 23 | 2 | **2430.00** |
| 4386B30 | 2000 | 24 / 29 | 19 / 26 | 2 | **2430.00** |
| 4386C30 | 2000 | 34 / 35 | 19 / 26 | 2 | **2430.00** |
| 4386D30 | 2000 | 34 / 35 | 24 / 29 | 2 | **2430.00** |
| 4386A31 | 3000 | 34 / 35 | 19 / 26 | 2 | **5665.00** |
| 4386B31 | 3000 | 34 / 35 | 24 / 29 | 2 | **5665.00** |
| 4386A33 | 5000 | 34 / 35 | 19 / 26 | 1 | **7765.00** |
| 4386B33 | 5000 | 34 / 35 | 24 / 29 | 1 | **7765.00** |
| 4386A38 | 10000 | 55 / 44 | 24 / 29 | 1 | **13900.00** |
| 4386B38 | 10000 | 34 / 35 | 24 / 29 | 1 | **13900.00** |
| 4386A40 | 20000 | 55 / 44 | 24 / 29 | 1 | **20370.00** |

- Till stock lasts.
- Neck sizes and angles can be made as per customer specifications
- Delivery time 4 to 5 weeks from the date of confirmed order
- Prices will be quoted as per the required customer specifications

## 4422 - CULTURE FLASK

### Haffikine

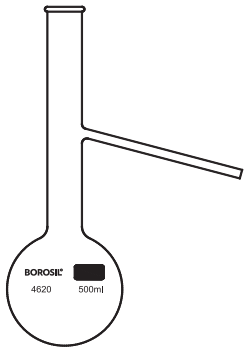



| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 4422031 | 3000* | 245 x 280 | 2 | **3485.00** |
| 4422032 | 4000 | 246 x 310 | 2 | **4030.00** |

*3000 ml not covered in standards

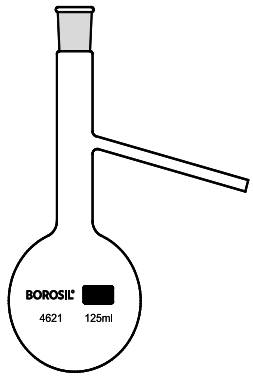
## 4620 - DISTILLING FLASK

### With Side Arm




| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4620016 | 100 | 64 x 210 | 21 | 4 | **315.00** |
| 4620017 | *125 | 70 x 215 | 21 | 4 | **310.00** |
| 4620021 | 250 | 85 x 230 | 25 | 4 | **515.00** |
| 4620024 | 500 | 105 x 250 | 28 | 4 | **605.00** |
| 4620029 | 1000 | 130 x 305 | 31 | 4 | **730.00** |

* Specification as per the Institute of Petroleum Standard No. IP 123/64



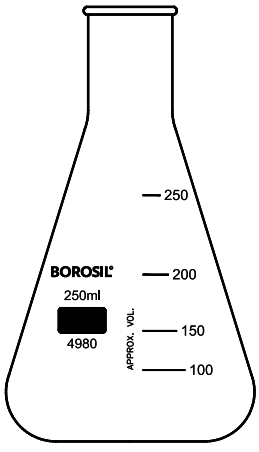

## 4621 - DISTILLING FLASK

**With I/C Joint**

| Product Code | Capacity ml | Approx O.D.xHeight mm | Approx Neck I. D. | Inter-change-able Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 4621017 | 125 | 70 x 218 | 19 | 19 / 26 | 20 | **535.00** |

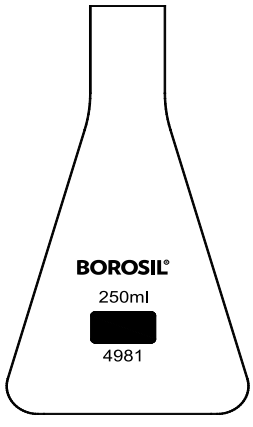
## 4980 - ERLENMEYER (CONICAL) FLASK

**Narrow Mouth, With Rim**




| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4980006 | 10 * | 37 x 60 | 15 | 30 | **100.00** |
| 4980009 | 25 | 42 x 75 | 22 | 40 | **105.00** |
| 4980012 | 50 | 51 x 90 | 22 | 100 | **105.00** |
| 4980016 | 100 | 64 x 105 | 22 | 100 | **110.00** |
| 4980017 | 125* | 66 x 110 | 28 | 100 | **130.00** |
| 4980018 | 150* | 72 x 124 | 28 | 100 | **135.00** |
| 4980021 | 250 | 85 x 145 | 34 | 40 | **165.00** |
| 4980024 | 500 | 105 x 180 | 34 | 40 | **235.00** |
| 4980029 | 1000 | 131 x 220 | 42 | 20 | **400.00** |
| 4980030 | 2000 | 166 x 280 | 52 | 20 | **695.00** |
| 4980031 | 3000 | 187 x 310 | 50 | 4 | **1990.00** |
| 4980033 | 5000 | 220 x 365 | 50 | 2 | **3075.00** |

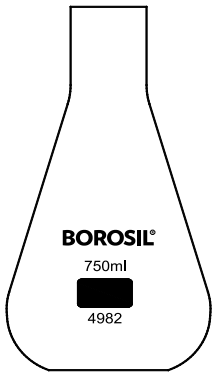
25 ml to 5000 ml Graduated
* Not covered in s tandards




## 4981 - ERLENMEYER (CONICAL) FLASK

**Long Neck Without Rim**

| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4981021 | 250 | 78 x 154 | 27 | 10 | **225.00** |




## 4982 - ERLENMEYER (CONICAL) FLASK

**Without Rim**

| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4982027 | 750 | 114 x 210 | 42 | 10 | **505.00** |

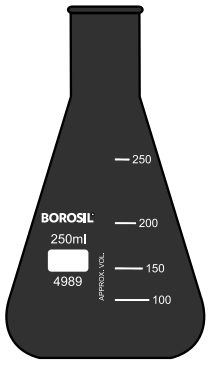
Suitable for culture work, designed for use in shaker machine

## 4989 - ERLENMEYER (CONICAL) FLASK

**Narrow Mouth, With Rim, Amber**

| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 4989016 | 100 | 64 x 105 | 22 | 10 | **205.00** |
| 4989018 | 150* | 72 x 124 | 28 | 10 | **245.00** |
| 4989021 | 250 | 85 x 145 | 34 | 10 | **295.00** |
| 4989024 | 500 | 105 x 180 | 34 | 10 | **475.00** |
| 4989029 | 1000 | 131 x 220 | 42 | 10 | **800.00** |

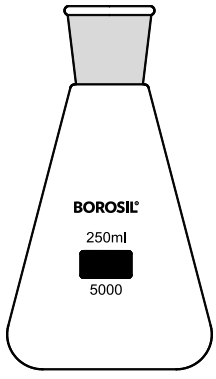
* Not covered in standards




## 5000 - ERLENMEYER (CONICAL) FLASK

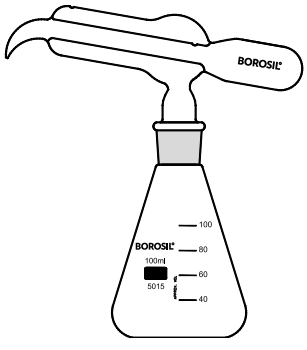
**Narrow Mouth, With I/C Joint**

| Product Code | Capacity ml | Interchangeable Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5000009 | 25 | 14 / 23 | 10 | **200.00** |
| 5000012 | 50 | 19 / 26 | 10 | **210.00** |
| 5000016 | 100 | 24 / 29 | 10 | **245.00** |
| 5000021 | 250 | 24 / 29 | 10 | **270.00** |
| 5000024 | 500 | 24 / 29 | 5 | **390.00** |




## 5015 - TILT MEASURE

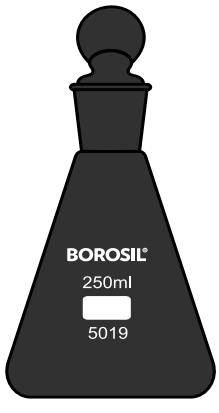
| Product Code | Capacity ml | Flask Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5015005 | 5 | 100 | 5 | **945.00** |
| 5015006 | 10 | 250 | 5 | **985.00** |
| 5015008 | 20 | 250 | 10 | **1105.00** |
| 5015009 | 25 | 250 | 10 | **1180.00** |
| 5015012 | 50 | 250 | 10 | **1400.00** |

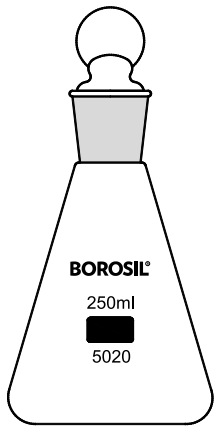



## 5019 - ERLENMEYER (CONICAL) FLASK

**Narrow Mouth, With I/C Joint & Glass Stopper, Amber**

| Product Code | Capacity ml | Interchangeable Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5019009 | 25 | 14 / 23 | 10 | **395.00** |
| 5019012 | 50 | 19 / 26 | 10 | **410.00** |
| 5019016 | 100 | 24 / 29 | 20 | **505.00** |
| 5019021 | 250 | 24 / 29 | 20 | **625.00** |
| 5019024 | 500 | 24 / 29 | 10 | **1015.00** |

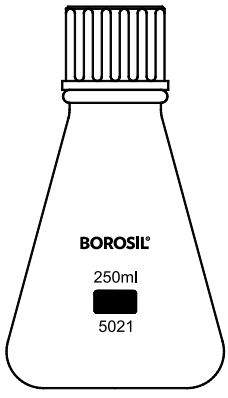





## 5020 - ERLENMEYER (CONICAL) FLASK

**Narrow Mouth, With I/C Joint & Glass Stopper**

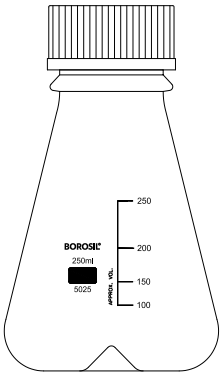
| Product Code | Capacity ml | Interchangeable Joint | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5020009 | 25 | 14 / 23 | 10 | **245.00** |
| 5020012 | 50 | 19 / 26 | 10 | **295.00** |
| 5020016 | 100 | 24 / 29 | 20 | **325.00** |
| 5020021 | 250 | 24 / 29 | 20 | **375.00** |
| 5020024 | 500 | 24 / 29 | 10 | **535.00** |
| 5020029 | 1000 | 29 / 32 | 10 | **750.00** |
| 5020030 | 2000 | 29 / 32 | 10 | **1070.00** |




## 5021 - ERLENMEYER (CONICAL) FLASK

**With Screw Cap**

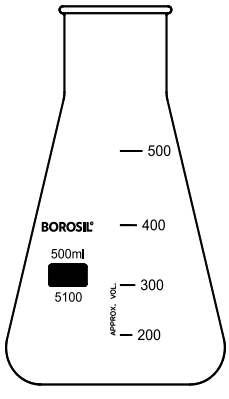
| Product Code | Capacity ml | Neck Specification | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5021016 | 100 | GL 25 | 20 | **310.00** |
| 5021018 | 150 | GL 25 | 20 | **355.00** |
| 5021021 | 250 | GL 45 | 20 | **410.00** |
| 5021024 | 500 | GL 45 | 10 | **505.00** |
| 5021029 | 1000 | GL 45 | 10 | **975.00** |
| 5021030 | 2000 | GL 45 | 10 | **1390.00** |
| 5021033 | 5000 | GL 45 | 2 | **6545.00** |




## 5025 - ERLENMEYER (CONICAL) FLASK

**Baff ed Bottom, With Screw Cap**

| Product Code | Capacity ml | Neck Specification | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5025021 | 250 | GL 45 | 10 | **2290.00** |
| 5025024 | 500 | GL 45 | 10 | **2795.00** |
| 5025029 | 1000 | GL 45 | 10 | **3935.00** |
| 5025030 | 2000 | GL 45 | 10 | **4830.00** |




## 5100 - ERLENMEYER (CONICAL) FLASK

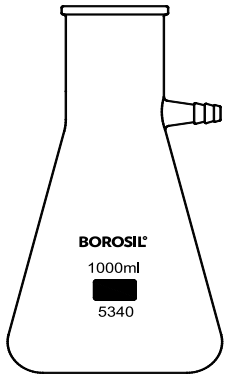
**Wide Mouth**

| Product Code | Capacity ml | Approx O.D. x Height mm | Approx Neck O.D. mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5100016 | 100 | 64 x 105 | 34 | 20 | **130.00** |
| 5100021 | 250 | 85 x 142 | 50 | 30 | **175.00** |
| 5100024 | 500 | 105 x 175 | 50 | 20 | **270.00** |
| 5100029 | 1000 | 130 x 220 | 56 | 10 | **475.00** |

## 5340 - FILTER FLASK
**With Glass Tubulation**

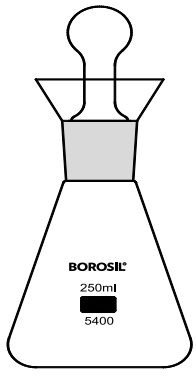
| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5340012 | 50 | 52 x 86 | 30 | **260.00** |
| 5340016 | 100 | 70 x 105 | 20 | **390.00** |
| 5340021 | 250 | 85 x 155 | 10 | **565.00** |
| 5340024 | 500 | 105 x 188 | 20 | **680.00** |
| 5340029 | 1000 | 135 x 230 | 10 | **1035.00** |
| 5340030 | 2000 | 165 x 270 | 5 | **2095.00** |
| 5340033 | 5000 | 240 x 450 | 2 | **7475.00** |
| 5340038 | 10000* | 236 x 420 | 1 | **13000.00** |
| 5340040 | 20000* | 285 x 535 | 1 | **20755.00** |

* These lasks are bottle shaped



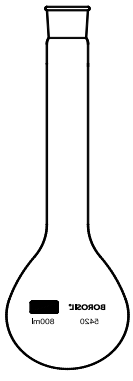

## 5400 - IODINE FLASK
**With I/C Glass Stopper**

| Product Code | Capacity ml | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5400016 | 100 | 24 / 29 | 10 | **270.00** |
| 5400021 | 250 | 24 / 29 | 10 | **340.00** |
| 5400024 | 500 | 24 / 29 | 10 | **425.00** |



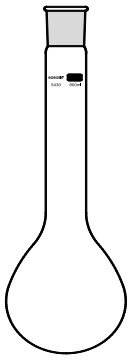

## 5420 - KJELDAHL FLASK

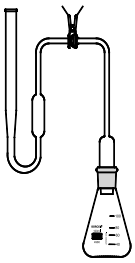
| Product Code | Capacity ml | Approx O.D. x Height mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5420006 | 10 | 30 x 180 | 10 | **130.00** |
| 5420010 | 30 | 40 x 180 | 10 | **165.00** |
| 5420016 | 100 | 61 x 210 | 10 | **240.00** |
| 5420022 | 300 | 80 x 298 | 10 | **390.00** |
| 5420024 | 500 | 103 x 325 | 10 | **750.00** |
| 5420028 | 800 | 119 x 375 | 10 | **915.00** |



## 5430 - KJELDAHL FLASK
**With I/C Joint**

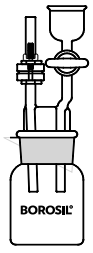
| Product Code | Capacity ml | Approx O.D. x Height mm | Interchange-able Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5430024 | 500 | 103 x 325 | 24 / 29 | 10 | **945.00** |
| 5430028 | 800 | 116 x 375 | 24 / 29 | 10 | **1045.00** |





## 5200 - ARSENIC DETERMINATION APPARATUS AS PER USP

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5200001 | 1 | **3895.00** |
| **Spare parts available on request** | | |

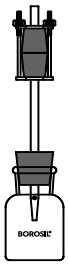



## 5201 - ARSENIC DETERMINATION APPARATUS GUTZEIT

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5201001 | 1 | **3895.00** |
| **Spare parts available on request** | | |

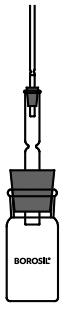
## 5202 - ARSENIC DETERMINATION APPARATUS AS PER BP

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5202001 | 1 | **2855.00** |
| **Spare parts available on request** | | |



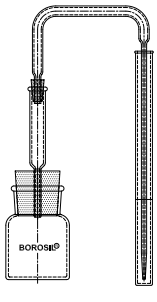

## 5203 - ARSENIC DETERMINATION APPARATUS AS PER IP

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5203001 | 1 | **2385.00** |
| **Spare parts available on request** | | |




## 5204 - ARSENIC DETERMINATION APPARATUS AS PER IS

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5204001 | 1 | **2855.00** |
| **Spare parts available on request** | | |

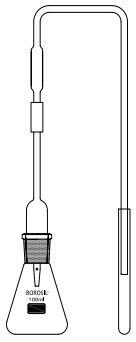



## 5205 - ARSENIC DETERMINATION APPARATUS AS PER JP

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5205001 | 1 | **2960.00** |
| **Spare parts available on request** | | |

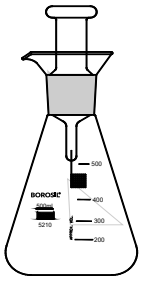
## 5206 - ARSENIC DETERMINATION APPARATUS AS PER EP

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5206001 | 1 | **3500.00** |
| **Spare parts available on request** | | |



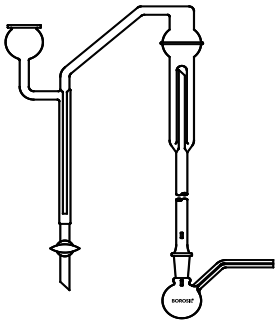
## 5210 - OXYGEN COMBUSTION FLASK AS PER USP

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 5210 022 | 300 | 1 | **on request** |
| 5210024 | 500 | 1 | **on request** |
| **Spare parts available on request** | | | |



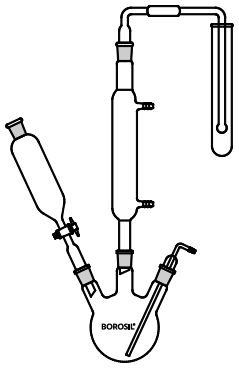
## 5211 - METHOXY DETERMINATION ASSEMBLY AS PER USP

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5211 024 | 1 | **on request** |
| **Spare parts available on request** | | |



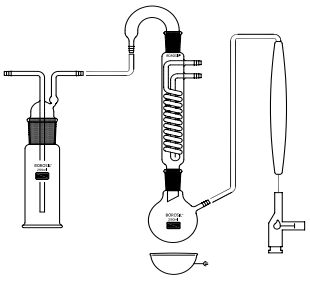
## 5212 - SULPHUR DI-OXIDE ASSEMBLY AS PER USP

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5212024 | 1 | **15545.00** |
| **Spare parts available on request** | | |

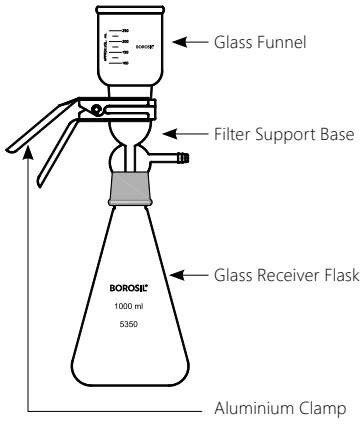


## 5215 - SODIUM ALGINATE ASSEMBLY AS PER USP

| Product Code | Quantity Per Case | Price / Piece ₹ |
|---|---|---|
| 5215021 | 1 | **on request** |
| **Spare parts available on request** | | |



# Filtration Assembly




## 5350 - BOROPURE GLASS FILTRATION ASSEMBLY

### Assembly

| Product Code | Filter Support Base Size mm | Glass Funnel Capacity ml | Glass Receiver Flask Capacity ml | Aluminium Clamp mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 5350024 | 47 | 300 ml | 500 | 47 | 1 | **16885.00** |
| 5350029 | 47 | 300 ml | 1000 | 47 | 1 | **17480.00** |
| 5350030 | 47 | 300 ml | 2000 | 47 | 1 | **22960.00** |
| 5350033 | 90 | 1000 ml | 5000 ml | 90 | 1 | **On request** |
| 5350A29 | 90 | 1000 ml | 1000 ml | 90 | 1 | **On request** |

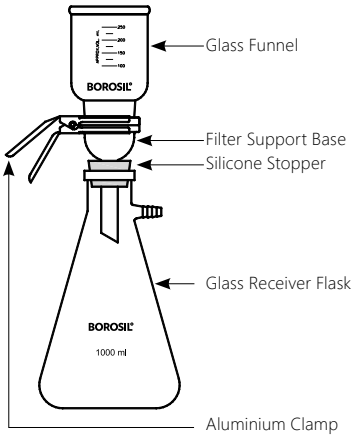
### Spares For 47 MM Filter Assembly

| Product Code | Capacity / Size | Description | Price / Piece ₹ |
|---|---|---|---|
| 5350124 | 500 ml | Glass Receiver Flask | **3345.00** |
| 5350129 | 1000 ml | Glass Receiver Flask | **4910.00** |
| 5350130 | 2000 ml | Glass Receiver Flask | **10935.00** |
| 5350S01 | 300 ml | Glass Funnel | **4370.00** |
| 5350S02 | 47 mm | Filter Support Base | **5700.00** |
| 5350S03 | 47 mm | Aluminium Clamp | **3630.00** |

### Spares For 90 MM Filter Assembly

| Product Code | Capacity / Size | Description | Price / Piece ₹ |
|---|---|---|---|
| 5350133 | 5000 ml | Glass Receiver Flask | **On request** |
| 5350229 | 1000 ml | Glass Receiver Flask | **On request** |
| 5350233 | 1000 ml | Glass Funnel | **On request** |
| 5350333 | 90 mm | Filter Support Base | **On request** |
| 5350433 | 90 mm | Aluminium Clamp | **On request** |

HSN Code: 70179090 (for Assembly as well as spares)




## 5360 - BOROPURE GLASS FILTRATION ASSEMBLY

### With Silicone Stopper, 47 mm

### Assembly

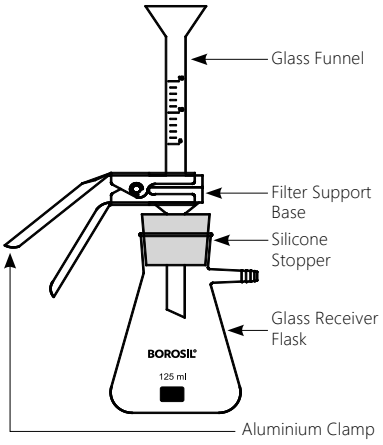
| Product Code | Filter Support Base Size mm | Glass Funnel Capacity ml | Glass Receiver Flask Capacity ml | Aluminium Clamp mm | Silicone stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|---|
| 5360029 | 47 | 300 ml | 1000 | 47 | #8 | 1 | **16430.00** |
| 5360030 | 47 | 300 ml | 2000 | 47 | #8 | 1 | **18855.00** |

### Spares For 47 MM Filter Assembly

| Product Code | Capacity / Size | Description | Price / Piece ₹ |
|---|---|---|---|
| 5360129 | 1000 ml | Glass Receiver Flask | **4775.00** |
| 5360130 | 2000 ml | Glass Receiver Flask | **6675.00** |
| 5350S01 | 300 ml | Glass Funnel | **4370.00** |
| 5360S02 | 47 mm | Filter Support Base | **5830.00** |
| 5350S03 | 47 mm | Aluminium Clamp | **3630.00** |
| 5360S04 | #8 | Silicone stopper, MOQ - Pack of 10 nos | **395.00** |

# 5370 - BOROPURE GLASS MICROFILTRATION ASSEMBLY

**With Silicone Stopper, 25 mm**




## Assembly

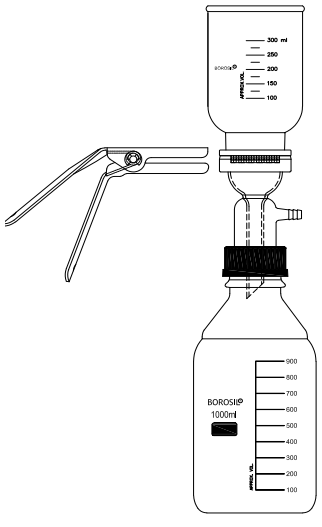
| Product Code | Filter Support Base Size mm | Glass Funnel Capacity ml | Glass Receiver Flask Capacity ml | Aluminium Clamp mm | Silicone stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|---|
| 5370017 | 25 | 15 ml | 125 | 25 | #5 | 1 | **8320.00** |

## Spares For 25 MM Filter Assembly

| Product Code | Capacity / Size | Description | Price / Piece ₹ |
|---|---|---|---|
| 5370S01 | 125 ml | Glass Receiver Flask | **3345.00** |
| 5370S02 | 15 ml | Glass Funnel | **2035.00** |
| 5370S03 | 25 mm | Filter Support Base | **4655.00** |
| 5370S04 | 25 mm | Aluminium Clamp | **2555.00** |
| 5370S05 | #5 | Silicone stopper, MOQ - Pack of 10 nos | **325.00** |

# 5380 - BOROPURE GLASS FILTRATION ASSEMBLY

**47 mm, With Bottle**




## Assembly

| Product Code | Filter Support Base Size mm | Glass Funnel Capacity ml | Glass Receiver Bottle Capacity ml | Aluminium Clamp mm | Quantity Per Case | Price per set ₹ |
|---|---|---|---|---|---|---|
| 5380029 | 47 | 300 ml | 1000 | 47 | 1 | **15130.000** |
| 5380030 | 47 | 300 ml | 2000 | 47 | 1 | **17480.00** |
| 5380033 | 90 | 1000 ml | 5000 | 90 | 1 | **On request** |

## Spares For 47 MM Filter Assembly

| Product Code | Capacity / Size | Description | Price / Piece ₹ |
|---|---|---|---|
| 5380129 | 1000 ml | Glass Receiver Bottle with GL 45 screw cap | **4910.00** |
| 5380130 | 2000 ml | Glass Receiver Bottle with GL 45 screw cap | **8815.00** |
| 5350S01 | 300 ml | Glass Funnel | **4370.00** |
| 5380S02 | 47 mm | Filter Support Base | **7125.00** |
| 5350S03 | 47 mm | Aluminium Clamp | **3630.00** |

## Spares For 90 MM Filter Assembly

| Product Code | Capacity / Size | Description | Price / Piece ₹ |
|---|---|---|---|
| 5380133 | 5000 ml | Glass Receiver Bottle with GL 45 screw cap | **On request** |
| 5350233 | 1000 ml | Glass Funnel | **On request** |
| 5380333 | 90 mm | Filter Support Base | **On request** |
| 5350433 | 90 mm | Aluminium Clamp | **On request** |

## 5147 - BOROPURE CELLULOSE NITRATE MEMBRANE

| Product Code | Description | Pore size µm | Diameter mm | Membrane /pack Nos | Price per pack ₹ |
|---|---|---|---|---|---|
| 514722N | Cellulose Nitrate Membrane, Non- sterile | 0.22 | 47 | 100 | **1705.00** |
| 514745N | Cellulose Nitrate Membrane, Non- sterile | 0.45 | 47 | 100 | **1705.00** |

Minimum order quantity : 5 Packs of 100 Membranes

## 5247 - BOROPURE GRIDDED CELLULOSE NITRATE MEMBRANE

| Product Code | Description | Pore size µm | Diameter mm | Membrane /pack Nos | Price per pack ₹ |
|---|---|---|---|---|---|
| 524722N | Gridded Cellulose Nitrate Membrane, Non-sterile | 0.22 | 47 | 100 | **1880.00** |
| 524745N | Gridded Cellulose Nitrate Membrane, Non-sterile | 0.45 | 47 | 100 | **1880.00** |

Minimum order quantity : 5 Packs of 100 Membranes

## 5347 - BOROPURE NYLON-66 MEMBRANE
### HPLC Grade

| Product Code | Description | Pore size µm | Diameter mm | Membrane /pack Nos | Price per pack ₹ |
|---|---|---|---|---|---|
| 534722N | Nylon-66 Membrane, Non- sterile | 0.22 | 47 | 100 | **1970.00** |
| 534745N | Nylon-66 Membrane, Non- sterile | 0.45 | 47 | 100 | **1970.00** |

Minimum order quantity : 5 Packs of 100 Membranes

For membranes of other diameter and pore sizes, please contact our local sales representative

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hard copies
**of calibration certificates for long years?**

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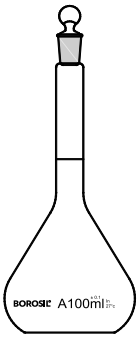
- Product Code and name
- Unique code
- Nominal and certified Volume
- Calibration details

## Benefits

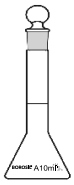
- No more filing of hard copies of calibration certificates for long years
- Download the certificates by simple scanning of glassware and print as and when required
- Easy download of list of scanned glassware in excel format
- Saves time and hassle involved in maintaining the certificates
- Less usage of paper and better for the environment
- Readiness for audit

| QR code marking available for | | | |
|---|---|---|---|
| Volumetric Flasks | Volumetric Pipettes | Graduated Pipettes | Measuring Cylinders |

# Volumetric Flasks




25 ml - 5000 ml



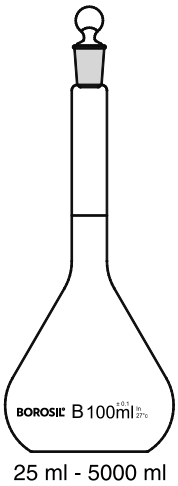
5 ml - 20 ml

## 5640 - VOLUMETRIC FLASKS

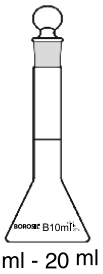
### Class A, Narrow Mouth, Clear, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5640001 | 1 | 0.025 | 7 / 16 | 5 | **1060.00** |
| 5640002 | 2 | 0.025 | 7 / 16 | 5 | **1060.00** |
| 5640005 | 5 | 0.025 | 10 / 19 # | 5 | **955.00** |
| 5640006 | 10 | 0.025 | 10 / 19 # | 5 | **830.00** |
| 5640008 | 20 | 0.04 | 10 / 19 | 5 | **830.00** |
| 5640009 | 25 | 0.04 | 10 / 19 | 5 | **765.00** |
| 5640012 | 50 | 0.06 | 12 / 21 | 10 | **725.00** |
| 5640016 | 100 | 0.10 | 14 / 23 | 10 | **705.00** |
| 5640020 | 200 | 0.15 | 14 / 23 | 10 | **1000.00** |
| 5640021 | 250 | 0.15 | 14 / 23 | 10 | **1000.00** |
| 5640024 | 500 | 0.25 | 19 / 26 | 10 | **1310.00** |
| 5640029 | 1000 | 0.40 | 24 / 29 | 10 | **1915.00** |
| 5640030 | 2000 | 0.60 | 29 / 32 | 2 | **3110.00** |
| 5640033 | 5000 | 1. 20 | 34 / 35 | 1 | **13300.00** |

- 1 m l to 20 ml supplied with trapezoidal shape for better stability
- # Stopper size as per Borosil Design




25 ml - 5000 ml



5 ml - 20 ml

## 5641 - VOLUMETRIC FLASKS

### Class B, Narrow Mouth, Clear

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5641001 | 1 | 0.05 | 7 / 16 | 10 | **335.00** |
| 5641002 | 2 | 0.05 | 7 / 16 | 10 | **335.00** |
| 5641005 | 5 | 0.05 | 10 / 19# | 10 | **300.00** |
| 5641006 | 10 | 0.05 | 10 / 19# | 10 | **280.00** |
| 5641008 | 20 | 0.08 | 10 / 19 | 10 | **280.00** |
| 5641009 | 25 | 0.08 | 10 / 19 | 10 | **275.00** |
| 5641012 | 50 | 0.12 | 12 / 21 | 10 | **300.00** |
| 5641016 | 100 | 0.20 | 14 / 23 | 10 | **340.00** |
| 5641020 | 200 | 0.30 | 14 / 23 | 10 | **390.00** |
| 5641021 | 250 | 0.30 | 14 / 23 | 10 | **405.00** |
| 5641024 | 500 | 0.50 | 19 / 26 | 10 | **565.00** |
| 5641029 | 1000 | 0.80 | 24 / 29 | 10 | **865.00** |
| 5641030 | 2000 | 1. 20 | 29 / 32 | 2 | **1920.00** |
| 5641033 | 5000 | 2.40 | 34 / 35 | 1 | **6890.00** |

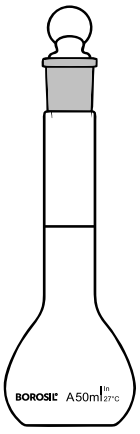
- 1 m l to 20 ml supplied with trapezoidal shape for better stability
- Certified and Calibrated at 27°C
- # Stopper size as per Borosil Design

## 5643 - VOLUMETRIC FLASKS

### Class A, Wide Mouth, Clear, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5643005 | 5 | 0.04 | 12 / 21# | 5 | **950.00** |
| 5643006 | 10 | 0.04 | 12 / 21# | 5 | **830.00** |
| 5643008 | 20 | 0.06 | 12 / 21 | 5 | **840.00** |
| 5643009 | 25* | 0.06 | 14 / 23 | 5 | **910.00** |
| 5643A09 | 25 | 0.06 | 12 / 21 | 5 | **895.00** |
| 5643012 | 50 | 0.10 | 14 / 23 | 10 | **875.00** |
| 5643016 | 100* | 0.10 | 19 / 26 | 10 | **920.00** |
| 5643020 | 200* | 0.15 | 19 / 26 | 10 | **1210.00** |
| 5643021 | 250* | 0.15 | 19 / 26 | 10 | **1290.00** |
| 5643029 | 1000 | 0.60 | 29 / 32 | 10 | **1990.00** |

- * Not covered in the standards
- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- # 5 ml & 10 ml (# Stopper size as per borosil design)

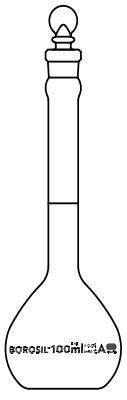


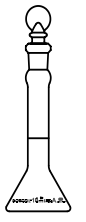

## 5645 - VOLUMETRIC FLASKS

### ASTM, Narrow Mouth, Clear, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5645005 | 5 | 0.02 | 9 | 5 | **1070.00** |
| 5645006 | 10 | 0.02 | 9 | 5 | **930.00** |
| 5645008 | 20* | 0.03 | 9 | 5 | **935.00** |
| 5645009 | 25 | 0.03 | 9 | 5 | **855.00** |
| 5645012 | 50 | 0.05 | 9 | 10 | **815.00** |
| 5645016 | 100 | 0.08 | 13 | 10 | **800.00** |
| 5645020 | 200 | 0.10 | 16 | 10 | **1120.00** |
| 5645021 | 250 | 0.12 | 16 | 10 | **1125.00** |
| 5645024 | 500 | 0.20 | 19 | 10 | **1480.00** |
| 5645029 | 1000 | 0.30 | 22 | 10 | **2150.00** |
| 5645030 | 2000 | 0.50 | 27 | 2 | **3495.00** |

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards
- For Stopper dimensions refer page no. 68


25 ml - 5000 ml

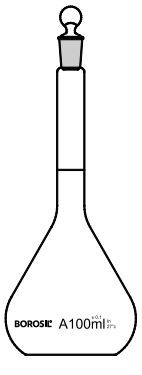

5 ml - 20 ml

## 5645D - VOLUMETRIC FLASKS

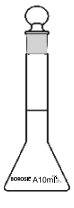
### Class A, USP, Narrow Mouth, Clear, with Individual Calibration Certificate

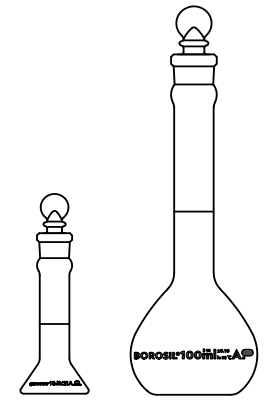
| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5645005D | 5 | 0.02 | 10 / 19# | 5 | **1070.00** |
| 5645006D | 10 | 0.02 | 10 / 19# | 5 | **930.00** |
| 5645008D | 20* | 0.03 | 10 / 19 | 5 | **935.00** |
| 5645009D | 25 | 0.03 | 10 / 19 | 5 | **855.00** |
| 5645012D | 50 | 0.05 | 12 / 21 | 10 | **815.00** |
| 5645016 D | 100 | 0.08 | 14 / 23 | 10 | **800.00** |
| 5645020D | 200 | 0.10 | 14 / 23 | 10 | **1120.00** |
| 5645021D | 250 | 0.12 | 14 / 23 | 10 | **1125.00** |
| 5645024D | 500 | 0.20 | 19 / 26 | 10 | **1480.00** |
| 5645029D | 1000 | 0.30 | 24 / 29 | 10 | **2150.00** |
| 5645030D | 2000 | 0.50 | 29 / 32 | 2 | **3495.00** |

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards
- # 5 ml & 10 ml stopper size Stopper size as per borosil design



25 ml - 5000 ml


5 ml - 20 ml

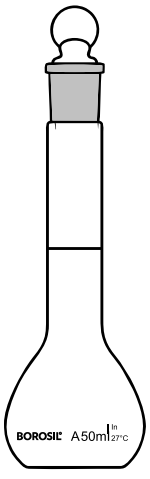



## 5647 - VOLUMETRIC FLASKS

### ASTM, Wide Mouth, Clear, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5647005 | 5 | 0.08 | 13 | 5 | **1020.00** |
| 5647006 | 10 | 0.08 | 13 | 5 | **880.00** |
| 5647008 | 20* | 0.08 | 13 | 5 | **910.00** |
| 5647009 | 25 | 0.08 | 13 | 5 | **970.00** |
| 5647012 | 50 | 0.08 | 13 | 10 | **950.00** |
| 5647016 | 100 | 0.10 | 16 | 10 | **1000.00** |
| 5647020 | 200 | 0.20 | 19 | 10 | **1175.00** |
| 5647021 | 250 | 0.20 | 19 | 10 | **1265.00** |

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards
- For Stopper dimensions refer page no. 68

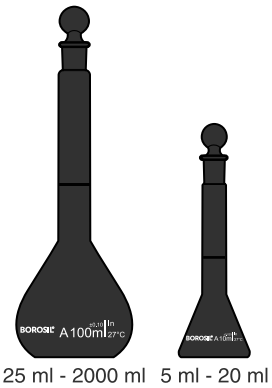


## 5647D - VOLUMETRIC FLASKS

### Class A, USP, Wide Mouth, Clear, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5647005D | 5 | 0.08 | 12 / 21# | 5 | **1020.00** |
| 5647006D | 10 | 0.08 | 12 / 21# | 5 | **880.00** |
| 5647008D | 20 | 0.08 | 12 / 21 | 5 | **910.00** |
| 5647009D | 25 | 0.08 | 12 / 21 | 5 | **970.00** |
| 5647012D | 50 | 0.08 | 14 / 23 | 10 | **950.00** |
| 5647016 D | 100* | 0.10 | 19 / 26 | 10 | **1000.00** |
| 5647020D | 200* | 0.20 | 19 / 26 | 10 | **1175.00** |
| 5647021 D | 250* | 0.20 | 19 / 26 | 10 | **1265.00** |

- * Not covered in the standards
- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- # Stopper size as per Borosil Design




## 5648 - VOLUMETRIC FLASKS

### Class A, Narrow Mouth, Amber, with Individual Calibration Certificate

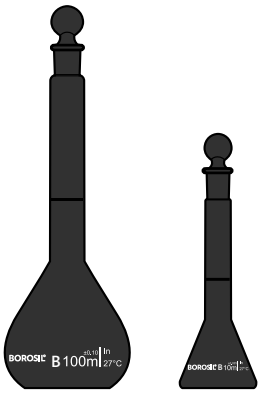
| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5648005 | 5 | 0.025 | 10 / 19# | 5 | **1140.00** |
| 5648006 | 10 | 0.025 | 10 / 19# | 5 | **990.00** |
| 5648008 | 20 | 0.04 | 10 / 19 | 5 | **990.00** |
| 5648009 | 25 | 0.04 | 10 / 19 | 5 | **920.00** |
| 5648012 | 50 | 0.06 | 12 / 21 | 10 | **870.00** |
| 5648016 | 100 | 0.10 | 14 / 23 | 10 | **855.00** |
| 5648020 | 200 | 0.15 | 14 / 23 | 10 | **1195.00** |
| 5648021 | 250 | 0.15 | 14 / 23 | 10 | **1175.00** |
| 5648024 | 500 | 0.25 | 19 / 26 | 10 | **1570.00** |
| 5648029 | 1000 | 0.40 | 24 / 29 | 10 | **2290.00** |
| 5648030 | 2000 | 0.60 | 29 / 32 | 2 | **3725.00** |

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- # Stopper size as per Borosil Design

## 5649 - VOLUMETRIC FLASKS

### Class B, Narrow Mouth, Amber

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5649005 | 5 | 0.05 | 10 / 19# | 10 | **460.00** |
| 5649006 | 10 | 0.05 | 10 / 19# | 10 | **435.00** |
| 5649008 | 20 | 0.08 | 10 / 19 | 10 | **435.00** |
| 5649009 | 25 | 0.08 | 10 / 19 | 10 | **435.00** |
| 5649012 | 50 | 0.12 | 12 / 21 | 10 | **460.00** |
| 5649016 | 100 | 0.20 | 14 / 23 | 10 | **485.00** |
| 5649020 | 200 | 0.30 | 14 / 23 | 10 | **565.00** |
| 5649021 | 250 | 0.30 | 14 / 23 | 10 | **575.00** |
| 5649024 | 500 | 0.50 | 19 / 26 | 10 | **865.00** |
| 5649029 | 1000 | 0.80 | 24 / 29 | 10 | **1415.00** |
| 5649030 | 2000 | 1. 20 | 29 / 32 | 2 | **2805.00** |



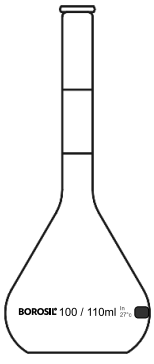

5 ml - 20 ml  25 ml - 2000 ml

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- Certified and Calibrated at 27°C
- # Stopper size as per Borosil Design

## 5650 - VOLUMETRIC FLASKS

### For Sugar Estimation, Clear

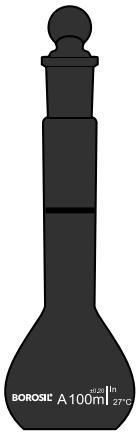
| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 5650016 | 100 / 110 | 0.15 | 20 | **435.00** |



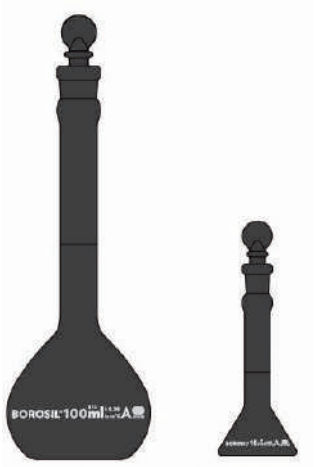

## 5653 - VOLUMETRIC FLASKS

### Class A, Wide Mouth, Amber, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5653005 | 5 | 0.04 | 12 / 21# | 5 | **1120.00** |
| 5653006 | 10 | 0.04 | 12 / 21# | 5 | **980.00** |
| 5653008 | 20 | 0.06 | 12 / 21 | 5 | **1000.00** |
| 5653009 | 25* | 0.06 | 14 / 23 | 5 | **1095.00** |
| 5653A09 | 25 | 0.06 | 12 / 21 | 5 | **1095.00** |
| 5653012 | 50 | 0.10 | 14 / 23 | 10 | **1040.00** |
| 5653016 | 100* | 0.10 | 19 / 26 | 10 | **1135.00** |
| 5653020 | 200* | 0.15 | 19 / 26 | 10 | **1450.00** |
| 5653021 | 250* | 0.15 | 19 / 26 | 10 | **2195.00** |
| 5653029 | 1000 | 0.60 | 29 / 32 | 10 | **2360.00** |




- * Not covered in the standards
- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- # 5 ml & 10 ml (# Stopper size as per borosil design)

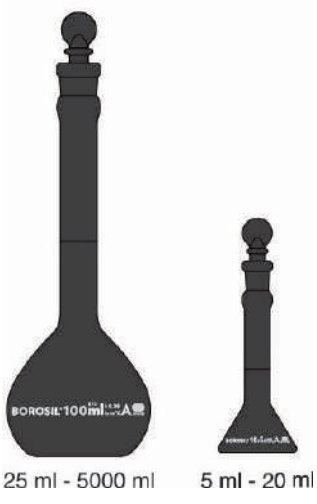



## 5655 - VOLUMETRIC FLASKS

### ASTM, Narrow Mouth, Amber, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5655005 | 5 | 0.02 | 9 | 5 | **1275.00** |
| 5655006 | 10 | 0.02 | 9 | 5 | **1120.00** |
| 5655008 | 20* | 0.03 | 9 | 5 | **1120.00** |
| 5655009 | 25 | 0.03 | 9 | 5 | **1030.00** |
| 5655012 | 50 | 0.05 | 9 | 10 | **990.00** |
| 5655016 | 100 | 0.08 | 13 | 10 | **965.00** |
| 5655020 | 200 | 0.10 | 16 | 10 | **1365.00** |
| 5655021 | 250 | 0.12 | 16 | 10 | **1370.00** |
| 5655024 | 500 | 0.20 | 19 | 10 | **1805.00** |
| 5655029 | 1000 | 0.30 | 22 | 10 | **2635.00** |
| 5655030 | 2000 | 0.50 | 27 | 2 | **4245.00** |

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in standards
- For Stopper dimensions refer page no. 68

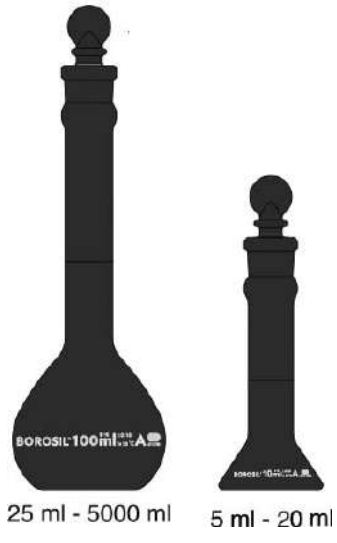



## 5655D - VOLUMETRIC FLASKS

### Class A, USP, Narrow Mouth, Amber, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5655005D | 5 | 0.02 | 10 / 19# | 5 | **1275.00** |
| 5655006D | 10 | 0.02 | 10 / 19# | 5 | **1120.00** |
| 5655008D | 20* | 0.03 | 10 / 19 | 5 | **1120.00** |
| 5655009D | 25 | 0.03 | 10 / 19 | 5 | **1030.00** |
| 5655012D | 50 | 0.05 | 12 / 21 | 10 | **990.00** |
| 5655016 D | 100 | 0.08 | 14 / 23 | 10 | **965.00** |
| 5655020D | 200 | 0.10 | 14 / 23 | 10 | **1365.00** |
| 5655021D | 250 | 0.12 | 14 / 23 | 10 | **1370.00** |
| 5655024D | 500 | 0.20 | 19 / 26 | 10 | **1805.00** |
| 5655029D | 1000 | 0.30 | 24 / 29 | 10 | **2635.00** |
| 5655030D | 2000 | 0.50 | 29 / 32 | 2 | **4245.00** |

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards
- # 5 ml & 10 ml stopper size not as per standards and kept wide mouth for convenient pipetting




## 5657 - VOLUMETRIC FLASKS

### ASTM, Wide Mouth, Amber, with Individual Calibration Certificate

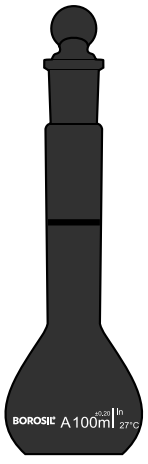
| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5657005 | 5 | 0.08 | 13 | 5 | **1240.00** |
| 5657006 | 10 | 0.08 | 13 | 5 | **1070.00** |
| 5657008 | 20* | 0.08 | 13 | 5 | **1070.00** |
| 5657009 | 25 | 0.08 | 13 | 5 | **1160.00** |
| 5657012 | 50 | 0.08 | 13 | 10 | **1140.00** |
| 5657016 | 100 | 0.10 | 16 | 10 | **1200.00** |
| 5657020 | 200 | 0.20 | 19 | 10 | **1415.00** |
| 5657021 | 250 | 0.20 | 19 | 10 | **1535.00** |

- * Not covered in the standards
- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- For Stopper dimensions refer page no. 68

## 5657D - VOLUMETRIC FLASKS

### Class A, USP, Wide Mouth, Amber, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 5657005D | 5 | 0.08 | 12 / 21# | 5 | **1240.00** |
| 5657006D | 10 | 0.08 | 12 / 21# | 5 | **1070.00** |
| 5657008D | 20 | 0.08 | 12 / 21 | 5 | **1070.00** |
| 5657009D | 25 | 0.08 | 12 / 21 | 5 | **1160.00** |
| 565701 2D | 50 | 0.08 | 14 / 23 | 10 | **1140.00** |
| 5657016 D | 100* | 0.10 | 19 / 26 | 10 | **1200.00** |
| 5657020D | 200* | 0.20 | 19 / 26 | 10 | **1415.00** |
| 5657021 D | 250* | 0.20 | 19 / 26 | 10 | **1535.00** |

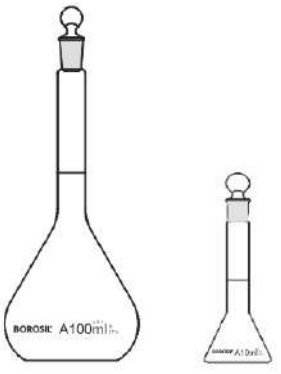



- * Not covered in the standards
- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- # Stopper size as per Borosil Design

## 2020 - VOLUMETRIC FLASKS

### NABL Certified, Class A, Clear, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | New Stopper Size | New Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2020001 | 1 | 0.025 | 7 / 16 | 1 | **2365.00** |
| 2020002 | 2 | 0.025 | 7 / 16 | 1 | **2365.00** |
| 2020005 | 5 | 0.025 | 10 / 19 # | 1 | **2105.00** |
| 2020006 | 10 | 0.025 | 10 / 19 # | 1 | **1825.00** |
| 2020008 | 20 | 0.04 | 10 / 19 | 1 | **1825.00** |
| 2020009 | 25 | 0.04 | 10 / 19 | 1 | **1965.00** |
| 2020012 | 50 | 0.06 | 12 / 21 | 1 | **1695.00** |
| 2020016 | 100 | 0.10 | 14 / 23 | 1 | **1670.00** |
| 2020020 | 200 | 0.15 | 14 / 23 | 1 | **2225.00** |
| 2020021 | 250 | 0.15 | 14 / 23 | 1 | **2250.00** |
| 2020024 | 500 | 0.25 | 19 / 26 | 1 | **3000.00** |
| 2020029 | 1000 | 0.40 | 24 / 29 | 1 | **4315.00** |
| 2020030 | 2000 | 0.60 | 29 / 32 | 1 | **6980.00** |

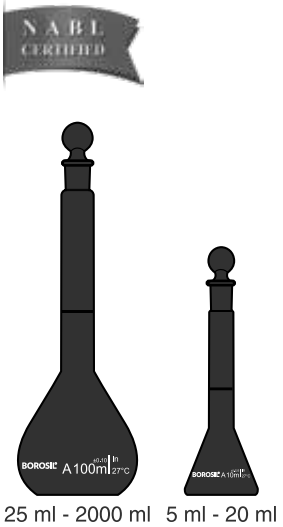



- 1 m l to 20 ml supplied with trapezoidal shape for better stability
- Certified and Calibrated at 27°C
- Volumetric flasks with old stopper sizes - Available till stocks last
- # Stopper size as per Borosil Design

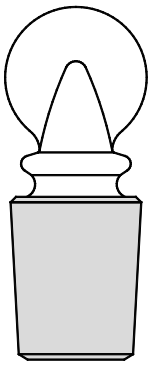
## 2021 - VOLUMETRIC FLASKS

### NABL Certified, Class A, Amber, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | New Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2021005 | 5 | 0.025 | 10 / 19* | 1 | **2285.00** |
| 2021006 | 10 | 0.025 | 10 / 19* | 1 | **1995.00** |
| 2021008 | 20 | 0.04 | 10 / 19* | 1 | **1995.00** |
| 2021009 | 25 | 0.04 | 10 / 19 | 1 | **1805.00** |
| 2021012 | 50 | 0.06 | 12 / 21 | 1 | **1770.00** |
| 2021016 | 100 | 0.10 | 14 / 23 | 1 | **1830.00** |
| 2021020 | 200 | 0.15 | 14 / 23 | 1 | **2385.00** |
| 2021021 | 250 | 0.15 | 14 / 23 | 1 | **2420.00** |
| 2021024 | 500 | 0.25 | 19 / 26 | 1 | **3310.00** |
| 2021029 | 1000 | 0.40 | 24 / 29 | 1 | **4890.00** |
| 2021030 | 2000 | 0.60 | 29 / 32 | 1 | **7680.00** |




- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- # Stopper size as per Borosil Design



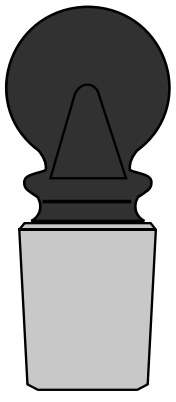
## 8100 - Glass Stoppers

### Penny head, Clear

| Product Code | Stopper Number | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| **ISO / DIN Standard (Long Neck)** | | | | |
| 810 0A10 | – | 10 / 19 | 20 | **105.00** |
| 8100A12 | – | 12 / 21 | 20 | **110.00** |
| 8100A14 | – | 14 / 23 | 20 | **110.00** |
| 8100A19 | – | 19 / 26 | 20 | **130.00** |
| 8100A24 | – | 24 / 29 | 20 | **245.00** |
| 8100A29 | – | 29 / 32 | 20 | **300.00** |
| 8100A34 | – | 34 / 35 | 20 | **315.00** |
| **ASTM Standard (Short Neck)** | | | | |
| 8110008 | # 8 | 8.25 / 10 | 20 | **105.00** |
| 8110009 | # 9 | 9.4 / 14 | 20 | **120.00** |
| 8110 013 | # 13 | 13.4 / 14 | 20 | **130.00** |
| 8110016 | # 16 | 16.5 / 15 | 20 | **245.00** |
| 8110 019 | # 19 | 19.7 / 17 | 20 | **300.00** |
| 811 0022 | # 22 | 22.05 / 20.5 | 20 | **315.00** |
| 811 0027 | # 27 | 27.15 / 21.5 | 20 | **330.00** |
| **IS Standard as per Old design (Till the stocks last)** | | | | |
| 810 0010 | – | 10 / 15 | 20 | **105.00** |
| 8100014 | – | 14 / 15 | 20 | **110.00** |
| 8100019 | – | 19 / 20 | 20 | **130.00** |
| 8100024 | – | 24 / 25 | 20 | **245.00** |

## 8400 - Glass Stoppers

### Penny head, Amber



- With Interchangeable Ground Joint

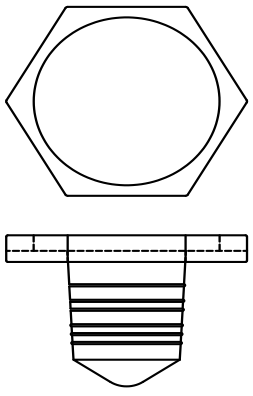
| Product Code | Stopper Number | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| **ISO / DIN Standard (Long Neck)** | | | | |
| 8400A10 | – | 10 / 19 | 20 | **130.00** |
| 8400A12 | – | 12 / 21 | 20 | **165.00** |
| 8400A14 | – | 14 / 23 | 20 | **165.00** |
| 8400A19 | – | 19 / 26 | 20 | **190.00** |
| 8400A24 | – | 24 / 29 | 20 | **295.00** |
| 8400A29 | – | 29 / 32 | 20 | **345.00** |
| 8400A34 | – | 34 / 35 | 20 | **375.00** |
| **ASTM Standard** | | | | |
| 8410008 | # 8 | 8.25 / 10 | 20 | **130.00** |
| 8410009 | # 9 | 9.4 / 14 | 20 | **140.00** |
| 8410013 | # 13 | 13.4 / 14 | 20 | **160.00** |
| 8410016 | # 16 | 16.5 / 15 | 20 | **295.00** |
| 8410019 | # 19 | 19.7 / 17 | 20 | **360.00** |
| 8410022 | # 22 | 22.05 / 20.5 | 20 | **380.00** |
| 8410027 | # 27 | 27.15 / 21.5 | 20 | **395.00** |
| **IS Standard as per Old design (Till the stocks last)** | | | | |
| 8400010 | – | 10 / 15 | 20 | **130.00** |
| 8400014 | – | 14 / 15 | 20 | **165.00** |
| 8400019 | – | 19 / 20 | 20 | **190.00** |
| 8400024 | – | 24 / 25 | 20 | **295.00** |

Plastic Stopper - ISO, except ASTM
Stock on order

## 8300 - Plastic Stoppers

Flat head, ISO standard

| Product Code | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 8300007 | 7 / 16 | 20 | **45.00** |
| 8300A10 | 10 / 19 | 20 | **50.00** |
| 8300012 | 12 / 21 | 20 | **55.00** |
| 8300A14 | 14 / 23 | 20 | **60.00** |
| 8300A19 | 19 / 26 | 20 | **70.00** |
| 8300A24 | 24 / 29 | 20 | **90.00** |
| 8300A29 | 29 / 32 | 20 | **120.00** |
| 8300A34 | 34 / 35 | 20 | **135.00** |



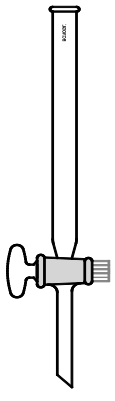
HSN Code : 39235010

# Chromatography Column

## 6100 - CHROMATOGRAPHY COLUMNS

**Plain With Glass Stopcock**

| Product Code | Capacity ml | Bore mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6100060 | 200 | 10 | 5 | **460.00** |
| 6100061 | 300 | 10 | 5 | **500.00** |
| 6100062 | 300 | 18 | 5 | **545.00** |
| 6100063 | 450 | 30 | 5 | **685.00** |
| 6100064 | 500 | 10 | 5 | **540.00** |
| 6100065 | 500 | 18 | 5 | **565.00** |
| 6100066 | 600 | 30 | 5 | **905.00** |
| 6100067 | 600 | 40 | 5 | **1180.00** |
| 6100068 | 1000 | 40 | 4 | **2415.00** |

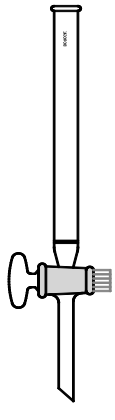


**Note : The Columns with Boroflow & PTFE stopcock will be made available on request**

## 6101 - CHROMATOGRAPHY COLUMNS

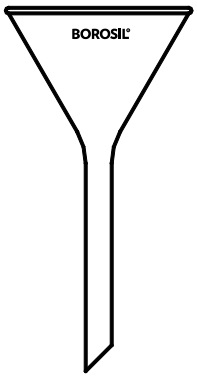
**With Sintered Disc & Glass Stopcock**

| Product Code | Capacity ml | Bore mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 610 10 60 | 200 | 10 | 5 | **765.00** |
| 61 01 061 | 300 | 10 | 5 | **785.00** |
| 610 10 62 | 300 | 18 | 5 | **975.00** |
| 610 10 63 | 450 | 30 | 5 | **1210.00** |
| 610 10 64 | 500 | 10 | 5 | **905.00** |
| 610 10 65 | 500 | 18 | 5 | **1060.00** |
| 610 10 66 | 600 | 30 | 5 | **1250.00** |
| 610 10 67 | 600 | 40 | 5 | **2070.00** |
| 610 10 68 | 1000 | 40 | 4 | **2815.00** |



**Note : The Columns with Boroflow & PTFE stopcock will be made available on request**

# Funnels

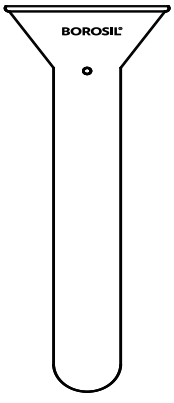



## 6140 - GLASS FILTER FUNNEL

**Short Stem**

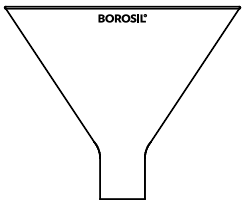
| Product Code | Diameter mm | Stem | | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| | | OD | Length | | |
| 614 0057 | 25* | 6 | 25 | 30 | **105.00** |
| 614 0058 | 35 | 6 | 35 | 30 | **135.00** |
| 614 0065 | 50* | 8 | 50 | 20 | **145.00** |
| 614 0069 | 65* | 8 | 65 | 20 | **165.00** |
| 6140071 | 75 | 8 | 75 | 20 | **165.00** |
| 6140077 | 100 | 10 | 100 | 40 | **225.00** |

- * Not covered in standard




## 6150 - FUNNEL TEST TUBES

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 6150007 | 15 | 10 | **205.00** |
| 6150010 | 30 | 10 | **250.00** |




## 6220 - POWDER FUNNEL

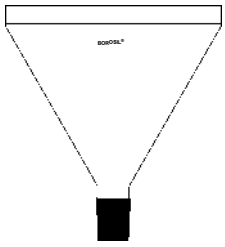
**With Stem**

| Product Code | Capacity mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 6220080 | 125 | 30 | **470.00** |
| 6220081 | 150 | 20 | **500.00** |
| 6220087 | 200 | 4 | **1350.00** |
| 6220089 | 250 | 4 | **1945.00** |

## 6230 - POWDER FUNNEL

**Stem With Cone**

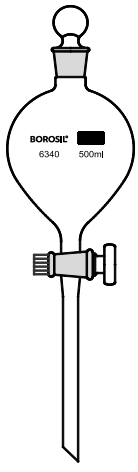
| Product Code | Capacity mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 6230080 | 125 | 20 | **705.00** |
| 6230081 | 150 | 20 | **810.00** |
| 6230087 | 200 | 4 | **1565.00** |
| 6230089 | 250 | 4 | **2245.00** |



## 6340 - SEPARATING FUNNEL, GLOBE SHAPE

**With Glass Stopcock & I/C Glass Stopper**

| Product Code | Capacity ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6340017 | 125 | 19 / 26 | 10 | **1350.00** |
| 6340021 | 250 | 24 / 29 | 10 | **1480.00** |
| 6340024 | 500 | 24 / 29 | 10 | **1860.00** |
| 6340029 | 1000 | 29 / 32 | 5 | **2350.00** |
| 6340030 | 2000 | 29 / 32 | 10 | **3970.00** |
| 6340033 | 5000 | 34 / 35 | 1 | **9010.00** |

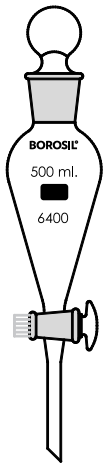


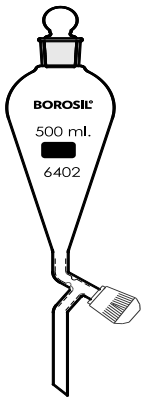

## 6400 - SEPARATING FUNNEL, PEAR SHAPE

**With Glass Stopcock & I/C Glass Stopper**

| Product Code | Capacity ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6400013 | 60* | 14 / 23 | 10 | **1150.00** |
| 6400017 | 125* | 19 / 26 | 10 | **1250.00** |
| 6400021 | 250 | 24 / 29 | 10 | **1385.00** |
| 6400024 | 500 | 24 / 29 | 10 | **1825.00** |
| 6400029 | 1000 | 29 / 32 | 10 | **2385.00** |
| 6400030 | 2000 | 29 / 32 | 10 | **4340.00** |

* Not covered in standards.



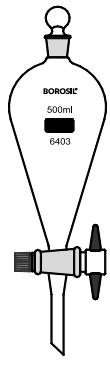



## 6402 - SEPARATING FUNNEL, PEAR SHAPE

**With Boro lo Stopcock And I/C Glass Stopper**

| Product Code | Capacity ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6402013 | 60* | 14 / 23 | 10 | **1030.00** |
| 6402017 | 125* | 19 / 26 | 10 | **1170.00** |
| 6402021 | 250 | 24 / 29 | 10 | **1295.00** |
| 6402024 | 500 | 24 / 29 | 10 | **1745.00** |
| 6402029 | 1000 | 29 / 32 | 10 | **2180.00** |
| 6402030 | 2000 | 29 / 32 | 10 | **3835.00** |

* Not covered in standards.




## 6403 - SEPARATING FUNNEL, PEAR SHAPE,

**With PTFE Stopcock And I/C Glass Stopper**

| Product Code | Capacity ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6403017 | 125* | 19 / 26 | 10 | **1455.00** |
| 6403021 | 250 | 24 / 29 | 10 | **1590.00** |
| 6403024 | 500 | 24 / 29 | 10 | **2070.00** |
| 6403029 | 1000 | 29 / 32 | 10 | **2470.00** |
| 6403030 | 2000 | 29 / 32 | 10 | **4595.00** |

* Not covered in standards.

## 6405 - PRESSURE EQUILISING CYLINDRICAL FUNNEL

**With PTFE Stopcock**

| Product Code | Capacity ml | Socket | Cone | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 6405012 | 50 | 19 / 26 | 19 / 26 | **5** | **1390.00** |
| 6405016 | 100 | 19 / 26 | 19 / 26 | **5** | **1670.00** |
| 6405021 | 250 | 24 / 29 | 24 / 29 | **5** | **1910.00** |
| 6405024 | 500 | 24 / 29 | 24 / 29 | **5** | **2960.00** |

## 6408 - DROPPING FUNNEL,

**Graduated With Glass Stopcock**

| Product Code | Capacity ml | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6408012 | 50 | 14 / 23 | 5 | **840.00** |
| 6408016 | 100 | 19 / 26 | 5 | **915.00** |
| 6408021 | 250 | 24 / 29 | 5 | **1105.00** |
| 6408024 | 500 | 24 / 29 | 5 | **1480.00** |
| 6408029 | 1000 | 29 /32 | 5 | **2455.00** |

* Not covered in standards.

## 6560 - PLAIN SHANK SINGLE CONE

| Product Code | Cone Joint Size | Total Length | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6560010 | 10 / 19 | 120 | 5 | **165.00** |
| 6560012 | 12 / 21 | 120 | 5 | **175.00** |
| 6560014 | 14 / 23 | 120 | 5 | **195.00** |
| 6560019 | 19 / 26 | 125 | 5 | **235.00** |
| 6560024 | 24 / 29 | 135 | 5 | **280.00** |
| 6560029 | 29 / 32 | 135 | 5 | **355.00** |
| 6560034 | 34 / 35 | 150 | 5 | **500.00** |
| 6560040 | 40 / 38* | 150 | 5 | **570.00** |
| 6560045 | 45 / 40* | 150 | 5 | **680.00** |
| 6560050 | 50 / 42* | 150 | 5 | **785.00** |
| 6560055 | 55 / 44 | 150 | 5 | **930.00** |

* Not covered in standard

## 6561- PLAIN SHANK DOUBLE CONE

| Product Code | Cone Joint Size | Total Length | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6561010 | 10 / 19 | 125 | 5 | **315.00** |
| 6561012 | 12 / 21 | 135 | 5 | **360.00** |
| 6561014 | 14 / 23 | 135 | 5 | **445.00** |
| 6561019 | 19 / 26 | 140 | 5 | **500.00** |
| 6561024 | 24 / 29 | 170 | 5 | **600.00** |
| 6561029 | 29 / 32 | 170 | 5 | **825.00** |
| 6561034 | 34 / 35 | 180 | 5 | **965.00** |
| 6561040 | 40 / 38 | 185 | 5 | **1150.00** |

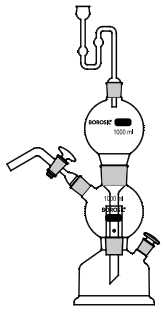
## 6580 - PLAIN SHANK SINGLE SOCKET

| Product Code | Cone Joint Size | Total Length | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6580010 | 10 / 19 | 120 | 5 | **175.00** |
| 6580012 | 12 / 21 | 120 | 5 | **205.00** |
| 6580014 | 14 / 23 | 120 | 5 | **230.00** |
| 6580019 | 19 / 26 | 125 | 5 | **235.00** |
| 6580024 | 24 / 29 | 135 | 5 | **290.00** |
| 6580029 | 29 / 32 | 135 | 5 | **355.00** |
| 6580034 | 34 / 35 | 150 | 5 | **500.00** |
| 6580040 | 40 / 38 | 150 | 5 | **610.00** |
| 6580045 | 45 / 40 | 150 | 5 | **785.00** |
| 6580050 | 50 / 42 | 150 | 5 | **895.00** |
| 6580055 | 55 / 44 | 150 | 5 | **1110.00** |

## 6581 - PLAIN SHANK DOUBLE SOCKET

| Product Code | Cone Joint Size | Total Length | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 6581010 | 10 / 19 | 125 | 5 | **290.00** |
| 6581012 | 12 / 21 | 135 | 5 | **345.00** |
| 6581014 | 14 / 23 | 135 | 5 | **400.00** |
| 6581019 | 19 / 26 | 140 | 5 | **445.00** |
| 6581024 | 24 / 29 | 170 | 5 | **500.00** |
| 6581029 | 29 / 32 | 170 | 5 | **600.00** |
| 6581034 | 34 / 35 | 180 | 5 | **825.00** |
| 6581040 | 40 / 38 | 185 | 5 | **895.00** |

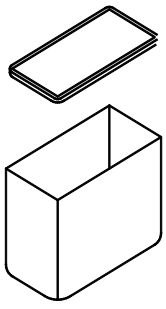
# Gas Generator



## 6550 - GAS GENERATOR APPARATUS (KIPPS)

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 6550024 | 500 | 1 | **11090.00** |
| 6550029 | 1000 | 1 | **14165.00** |

# Jars



## 6910 - RECTANGULAR MUSEUM JAR With Lid

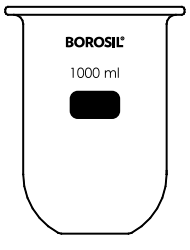
| Product Code | Approx Height x Length x Breadth mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 6910M41 | 200 x 125 x 125 | 1 | **9520.00** |
| 6910 M42 | 200 x 150 x 100 | 1 | **10080.00** |
| 6910M43 | 220 x 195 x 80 | 1 | **11215.00** |
| 6910 M44 | 250 x 165 x 140 | 1 | **11740.00** |
| 6910 M45 | 250 x 250 x 120 | 1 | **14125.00** |
| 6910 M46 | 360 x 150 x 100 | 1 | **23675.00** |

# Kettles

## 6947 - REACTION KETTLES ASSEMBLY Resin Reaction

| Product Code | Capacity ml | Body Dia mm | Height mm | Quantity Per Case Set | Price / Piece ₹ |
|---|---|---|---|---|---|
| 6947024 | 500 | 100 | 150 | 1 | **14265.00** |
| 6947029 | 1000 | 110 | 175 | 1 | **14875.00** |
| 6947030 | 2000 | 150 | 185 | 1 | **18135.00** |
| 6947032 | 4000 | 150 | 340 | 1 | **21800.00** |

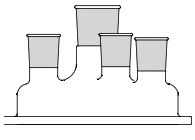
The 500 ml and 1000 ml kettles have interchangeable covers with four openings to accommodate 24 / 29 interchangeable joints. Kettles of 2000 ml and 4000 ml capacity have interchangeable covers with openings to accommodate three 24 / 29 interchangeable joints and one 34 / 35 interchangeable joint.




## 6948 - BOTTOM FOR KETTLE REACTION ASSEMBLY
**Only for Kettles Cat no. 6947**

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 6948024 | 500 | 2 | **6890.00** |
| 6948029 | 1000 | 2 | **7655.00** |
| 6948030 | 2000 | 2 | **9940.00** |
| 6948032 | 4000 | 2 | **14525.00** |

## 6949 - COVER FOR KETTLE REACTION ASSEMBLY
**Only for Kettles Cat No. 6947**



| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 6949041 | 500 / 1000 | 2 | **10965.00** |
| 6949042 | 2000 / 4000 | 2 | **12735.00** |

The 500 ml and 1000 ml kettles have interchangeable covers with four openings to accommodate 24 / 29 interchangeable joints. Kettles of 2000 ml and 4000 ml capacity have interchangeable covers with openings to accommodate three 24 / 29 interchangeable joints and one 34 / 35 interchangeable joint.


an ISO 9001: 2015 certified company | PRICES EXCLUSIVE OF TAXES | For products listed on this page use HSN code 70179090

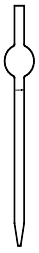
# Pipettes

## 7040 - ARTIFICIAL INSEMINATION PIPETTES

| Product Code | Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 7040162 | 450 | 60 | **120.00** |

## 7041 - DRUM SAMPLING PIPETTE

| Product Code | Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 7041041 | 1000 | 4 | **625.00** |



## 7056 - MILK/BACTERIOLOGICAL PIPETTES

| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 7056101 | 1.1 | 0.025 | 10 | **215.00** |
| 7056102 | 2.2 | 0.040 | 10 | **240.00** |

## 7057 - GERBER MILK PIPETTES

| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 7057P10 | 10.75 | 0.03 | 10 | **230.00** |

## 7058 - GERBER MILK PIPETTES

**with Certificate**

| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 7058P10 | 10.75 | 0.015 | 10 | **475.00** |

## 7059 - MOHR PIPETTES

**Class A, with Individual Calibration Certi icate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance +/- ml | Quantity per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 7059P41 | 0.1 | 0.01 | 0.006 | 10 | **600.00** |
| 7059P42 | 0.2 | 0.01 | 0.006 | 10 | **600.00** |
| 7059P01 | 1 | 0.01 | 0.007 | 10 | **560.00** |
| 7059P11 | 1 | 0.10 | 0.007 | 10 | **495.00** |
| 7059P02 | 2 | 0.02 | 0.01 | 10 | **550.00** |
| 7059P22 | 2 | 0.10 | 0.01 | 10 | **515.00** |
| 7059P05 | 5 | 0.05 | 0.03 | 10 | **640.00** |
| 7059P55 | 5 | 0.10 | 0.03 | 10 | **600.00** |
| 7059P06 | 10 | 0.10 | 0.05 | 10 | **685.00** |
| 7059P09 | 25 | 0.20 | 0.10 | 10 | **810.00** |

## 7060 - MOHR PIPETTES

**Class B**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance +/- ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 7060P41 | 0.1 | 0.01 | 0.01 | 20 | **200.00** |
| 7060P42 | 0.2 | 0.01 | 0.01 | 20 | **190.00** |
| 7060P01 | 1 | 0.01 | 0.01 | 20 | **190.00** |
| 7060P11 | 1 | 0.10 | 0.01 | 20 | **175.00** |
| 7060P02 | 2 | 0.02 | 0.02 | 20 | **200.00** |
| 7060P22 | 2 | 0.10 | 0.02 | 20 | **190.00** |
| 7060P05 | 5 | 0.05 | 0.05 | 20 | **210.00** |
| 7060P55 | 5 | 0.10 | 0.05 | 20 | **200.00** |
| 7060P06 | 10 | 0.10 | 0.10 | 20 | **230.00** |
| 7060P09 | 25 | 0.20 | 0.20 | 20 | **355.00** |

## 7062 - MOHR PIPETTES

**Class B, White Marking**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 7062P41 | 0.1 | 0.01 | 0.01 | 20 | **200.00** |
| 7062P42 | 0.2 | 0.01 | 0.01 | 20 | **190.00** |
| 7062P01 | 1 | 0.01 | 0.01 | 20 | **190.00** |
| 7062P11 | 1 | 0.10 | 0.01 | 20 | **175.00** |
| 7062P02 | 2 | 0.02 | 0.02 | 20 | **200.00** |
| 7062P22 | 2 | 0.10 | 0.02 | 20 | **190.00** |
| 7062P05 | 5 | 0.05 | 0.05 | 20 | **210.00** |
| 7062P55 | 5 | 0.10 | 0.05 | 20 | **200.00** |
| 7062P06 | 10 | 0.10 | 0.10 | 20 | **230.00** |
| 7062P09 | 25 | 0.20 | 0.20 | 20 | **355.00** |

Till stock last

## 7079 - SEROLOGICAL PIPETTES

**Class A, With Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 7079P41 | 0.1 | 0.01 | 0.006 | 10 | **600.00** |
| 7079P42 | 0.2 | 0.01 | 0.006 | 10 | **600.00** |
| 7079P01 | 1 | 0.01 | 0.007 | 10 | **680.00** |
| 7079P11 | 1 | 0.10 | 0.007 | 10 | **495.00** |
| 7079P02 | 2 | 0.02 | 0.01 | 10 | **550.00** |
| 7079P22 | 2 | 0.10 | 0.01 | 10 | **515.00** |
| 7079P05 | 5 | 0.05 | 0.03 | 10 | **640.00** |
| 7079P55 | 5 | 0.10 | 0.03 | 10 | **600.00** |
| 7079P06 | 10 | 0.10 | 0.05 | 10 | **685.00** |
| 7079P09 | 25 | 0.20 | 0.10 | 10 | **810.00** |

## 7080 - SEROLOGICAL PIPETTES
### Class B

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 7080P41 | 0.1 | 0.01 | 0.01 | 20 | **200.00** |
| 7080P42 | 0.2 | 0.01 | 0.01 | 20 | **190.00** |
| 7080P01 | 1 | 0.01 | 0.01 | 20 | **190.00** |
| 7080P11 | 1 | 0.10 | 0.01 | 20 | **175.00** |
| 7080P02 | 2 | 0.02 | 0.02 | 20 | **200.00** |
| 7080P22 | 2 | 0.10 | 0.02 | 20 | **190.00** |
| 7080P05 | 5 | 0.05 | 0.05 | 20 | **210.00** |
| 7080P55 | 5 | 0.10 | 0.05 | 20 | **200.00** |
| 7080P06 | 10 | 0.10 | 0.10 | 20 | **230.00** |
| 7080P09 | 25 | 0.20 | 0.20 | 20 | **355.00** |

## 7081 - SEROLOGICAL PIPETTES
### Class A, USP, With Individual Calibration Certificate

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 7081P01 | 1 | 0.01 | 0.01 | 10 | **540.00** |
| 7081P11 | 1 | 0.10 | 0.01 | 10 | **505.00** |
| 7081P22 | 2 | 0.10 | 0.01 | 10 | **540.00** |
| 7081P55 | 5 | 0.10 | 0.02 | 10 | **645.00** |
| 7081P06 | 10 | 0.10 | 0.03 | 10 | **700.00** |
| 7081P09 | 25 | 0.10 | 0.05 | 10 | **825.00** |

## 7082 - SEROLOGICAL PIPETTES
### Class B, White marking

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 7082P41 | 0.1 | 0.01 | 0.01 | 20 | **200.00** |
| 7082P42 | 0.2 | 0.01 | 0.01 | 20 | **190.00** |
| 7082P01 | 1 | 0.01 | 0.01 | 20 | **190.00** |
| 7082P11 | 1 | 0.10 | 0.01 | 20 | **175.00** |
| 7082P02 | 2 | 0.02 | 0.02 | 20 | **200.00** |
| 7082P22 | 2 | 0.10 | 0.02 | 20 | **190.00** |
| 7082P05 | 5 | 0.05 | 0.05 | 20 | **210.00** |
| 7082P55 | 5 | 0.10 | 0.05 | 20 | **200.00** |
| 7082P06 | 10 | 0.10 | 0.10 | 20 | **230.00** |
| 7082P09 | 25 | 0.20 | 0.20 | 20 | **355.00** |

## 7100 - VOLUMETRIC PIPETTES

**Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 7100001 | 1 | 0.008 | 10 | **390.00** |
| 7100002 | 2 | 0.01 | 10 | **395.00** |
| 7100005 | 5 | 0.015 | 10 | **445.00** |
| 7100006 | 10 | 0.02 | 10 | **535.00** |
| 7100008 | 20 | 0.03 | 10 | **695.00** |
| 7100009 | 25 | 0.03 | 10 | **740.00** |
| 7100012 | 50 | 0.05 | 10 | **840.00** |
| 7100016 | 100 | 0.08 | 10 | **1265.00** |

## 7101 - VOLUMETRIC PIPETTES

**Class A, ASTM with Individual Calibration Certificate**

| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 710 10 01 | 1 | 0.006 | 10 | **395.00** |
| 710 1 10 5 | 1.5* | 0.006 | 10 | **445.00** |
| 710 10 02 | 2 | 0.006 | 10 | **445.00** |
| 710 1 205 | 2.5* | 0.01 | 10 | **495.00** |
| 710 10 03 | 3 | 0.01 | 10 | **465.00** |
| 710 10 04 | 4 | 0.01 | 10 | **465.00** |
| 710 10 05 | 5 | 0.01 | 10 | **470.00** |
| 71017 06 | 6 | 0.01 | 10 | **515.00** |
| 71017 07 | 7 | 0.01 | 10 | **515.00** |
| 71017 08 | 8 | 0.02 | 10 | **515.00** |
| 71017 09 | 9 | 0.02 | 10 | **515.00** |
| 710 10 06 | 10 | 0.02 | 10 | **535.00** |
| 710 10 07 | 15 | 0.03 | 10 | **605.00** |
| 710 10 08 | 20 | 0.03 | 10 | **700.00** |
| 710 10 09 | 25 | 0.03 | 10 | **740.00** |
| 710 10 10 | 30 | 0.03 | 10 | **740.00** |
| 710 10 11 | 40 | 0.05 | 10 | **780.00** |
| 710 10 1 2 | 50 | 0.05 | 10 | **850.00** |
| 710 10 16 | 100 | 0.08 | 10 | **1280.00** |

* As per Borosil standard

## 7102 - VOLUMETRIC PIPETTES Class B

| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 710 2001 | 1 | 0.01 5 | 10 | **190.00** |
| 71 02002 | 2 | 0.02 | 10 | **190.00** |
| 71 02003 | 3* | 0.02 | 10 | **200.00** |
| 710 2004 | 4* | 0.02 | 10 | **200.00** |
| 710 2005 | 5 | 0.03 | 10 | **200.00** |
| 710 2706 | 6* | 0.03 | 10 | **225.00** |
| 710 2707 | 7* | 0.03 | 10 | **225.00** |
| 710 2708 | 8* | 0.04 | 10 | **225.00** |
| 710 2709 | 9* | 0.04 | 10 | **225.00** |
| 710 2006 | 10 | 0.04 | 10 | **230.00** |
| 710 2007 | 1 5* | 0.06 | 10 | **270.00** |
| 710 2008 | 20 | 0.06 | 10 | **270.00** |
| 710 2009 | 25 | 0.06 | 10 | **280.00** |
| 710 2010 | 30* | 0.06 | 10 | **280.00** |
| 71 02011 | 40* | 0.1 | 10 | **310.00** |
| 710 201 2 | 50 | 0.1 | 10 | **325.00** |
| 71 02016 | 10 0 | 0.1 5 | 10 | **490.00** |

* As per Borosil standard

## 7103 - VOLUMETRIC PIPETTES Class B, ASTM

| Till stock lasts | | | | |
|---|---|---|---|---|
| **Product Code** | **Capacity ml** | **Tolerance ± ml** | **Quantity Per Case** | **Price / Piece ₹** |
| 710 3001 | 1 | 0.01 2 | 10 | **190.00** |
| 71 03002 | 2 | 0.01 2 | 10 | **200.00** |
| 71 03003 | 3 | 0.02 | 10 | **200.00** |
| 710 3004 | 4 | 0.02 | 10 | **200.00** |
| 710 3005 | 5 | 0.02 | 10 | **200.00** |
| 710 3706 | 6 | 0.03 | 10 | **215.00** |
| 710 3707 | 7 | 0.03 | 10 | **215.00** |
| 710 3708 | 8 | 0.04 | 10 | **215.00** |
| 710 3709 | 9 | 0.04 | 10 | **215.00** |
| 710 3006 | 10 | 0.04 | 10 | **230.00** |
| 710 3007 | 15 | 0.06 | 10 | **270.00** |
| 710 3008 | 20 | 0.06 | 10 | **270.00** |
| 710 3009 | 25 | 0.06 | 10 | **280.00** |
| 710 3010 | 30* | 0.06 | 10 | **280.00** |
| 71 03011 | 40* | 0.10 | 10 | **310.00** |
| 710 301 2 | 50 | 0.10 | 10 | **330.00** |
| 71 03016 | 10 0 | 0.16 | 10 | **490.00** |

* As per Borosil standard

## 7106 - VOLUMETRIC PIPETTES

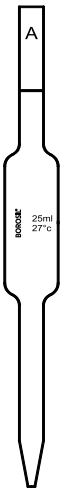
### Class A, ASTM, Amber, with Individual Calibration Certificate

| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 710 6001 | 1 | 0.006 | 10 | **670.00** |
| 710 6002 | 2 | 0.006 | 10 | **670.00** |
| 710 6005 | 5 | 0.01 | 10 | **740.00** |
| 71 06006 | 10 | 0.02 | 10 | **760.00** |
| 710 6008 | 20 | 0.03 | 10 | **825.00** |
| 710 6009 | 25 | 0.03 | 10 | **825.00** |
| 710 601 2 | 50 | 0.05 | 10 | **965.00** |
| 71 06016 | 10 0 | 0.08 | 10 | **1280.00** |

## 2030 - MOHR PIPETTES

**NABL Certified, Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Graduation Interval ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 2030P41 | 0.1 | 0.01 | 0.006 | 1 | **1175.00** |
| 2030P42 | 0.2 | 0.01 | 0.006 | 1 | **1175.00** |
| 2030P01 | 1 | 0.01 | 0.007 | 1 | **1145.00** |
| 2030P11 | 1 | 0.10 | 0.007 | 1 | **955.00** |
| 2030P02 | 2 | 0.02 | 0.01 | 1 | **1195.00** |
| 2030P22 | 2 | 0.10 | 0.01 | 1 | **1000.00** |
| 2030P05 | 5 | 0.05 | 0.03 | 1 | **1275.00** |
| 2030P55 | 5 | 0.10 | 0.03 | 1 | **1175.00** |
| 2030P06 | 10 | 0.10 | 0.05 | 1 | **1345.00** |
| 2030P09 | 25 | 0.20 | 0.10 | 1 | **1625.00** |

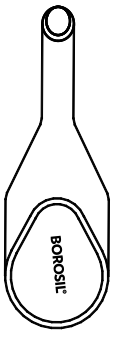



## 2040 - VOLUMETRIC PIPETTES

**NABL Certified, Class A, with Individual Calibration Certificate**

| Product Code | Capacity ml | Tolerance ± ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 2040001 | 1 | 0.008 | 1 | **775.00** |
| 2040002 | 2 | 0.01 | 1 | **795.00** |
| 2040005 | 5 | 0.015 | 1 | **855.00** |
| 2040006 | 10 | 0.02 | 1 | **1050.00** |
| 2040008 | 20 | 0.03 | 1 | **1365.00** |
| 2040009 | 25 | 0.03 | 1 | **1465.00** |
| 2040012 | 50 | 0.05 | 1 | **1640.00** |
| 2040016 | 100 | 0.08 | 1 | **2480.00** |

# Weighing Scoop



## 7200 - GLASS WEIGHING SCOOP

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 7200P45 | 0.5 | 10 | **275.00** |
| 7200001 | 1 | 10 | **245.00** |
| 7200002 | 2 | 10 | **245.00** |
| 7200003 | 3 | 10 | **235.00** |
| 7200076 | 6 | 10 | **260.00** |
| 7200006 | 10 | 10 | **300.00** |

BOROSIL®

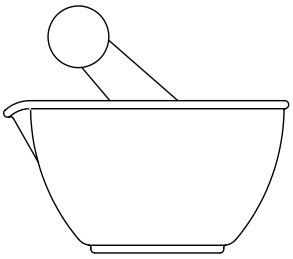
# Mortar And Pestle

Made of borosilicate glass

for fine grinding of high purity substances

## 7210 - GLASS MORTAR AND PESTLE

**Inside Rough**



| Product Code | Top Diameter mm | Height* mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 7210 040 | 80 | 60 | 2 | **5995.00** |
| 7210041 | 100 | 75 | 2 | **7285.00** |
| 7210 042 | 150 | 110 | 2 | **11870.00** |

* Height indicated is of mortar only

# Tubes

## 7840 - FOLIN - WU BLOOD SUGAR TUBE

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 7840009 | 25 | 20 x 220 | 20 | **300.00** |

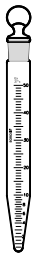
## 8060 - CENTRIFUGE TUBE Plain

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8060007 | 15 | 17 x 120 | 100 | **80.00** |

## 8080 - CENTRIFUGE TUBE Graduated

| Product Code | Capacity ml | Approx O.D. x Length | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8080007 | 15 | 17 x 120 | 30 | **160.00** |
| 8080012 | 50 | 29 x 140 | 20 | **320.00** |

**Amber colour Centrifuge tube available Product Code: 8081**



## 8084 - CENTRIFUGE TUBE

**Graduated With I/C Glass Stopper**

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8084007 | 15 | 17 x 145 | 30 | **485.00** |
| 8084012 | 50 | 26 x 165 | 10 | **610.00** |

## 8090 - CENTRIFUGE TUBE

**Graduated With PP Screw Cap**

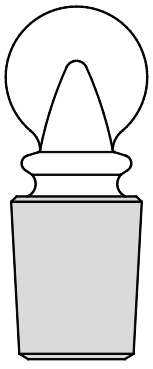
| Product Code | Capacity ml | Approx O.D. x Length | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8090007 | 15 | 17 x 130 | 30 | **645.00** |
| 8090012 | 50 | 29 x 150 | 10 | **850.00** |

**Amber colour Centrifuge tube available Product Code: 8091**

## 8100 - Glass Stoppers

**Penny head, Clear**

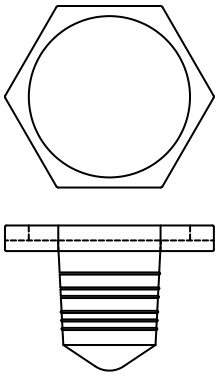
| Product Code | Stopper Number | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| **ISO / DIN Standard (Long Neck)** | | | | |
| 810 0A10 | – | 10 / 19 | 20 | **105.00** |
| 8100A12 | – | 12 / 21 | 20 | **110.00** |
| 8100A14 | – | 14 / 23 | 20 | **110.00** |
| 8100A19 | – | 19 / 26 | 20 | **130.00** |
| 8100A24 | – | 24 / 29 | 20 | **245.00** |
| 8100A29 | – | 29 / 32 | 20 | **300.00** |
| 8100A34 | – | 34 / 35 | 20 | **315.00** |
| **ASTM Standard (Short Neck)** | | | | |
| 8110008 | # 8 | 8.25 / 10 | 20 | **105.00** |
| 8110009 | # 9 | 9.4 / 14 | 20 | **120.00** |
| 8110 013 | # 13 | 13.4 / 14 | 20 | **130.00** |
| 8110016 | # 16 | 16.5 / 15 | 20 | **245.00** |
| 8110 019 | # 19 | 19.7 / 17 | 20 | **300.00** |
| 811 0022 | # 22 | 22.05 / 20.5 | 20 | **315.00** |
| 811 0027 | # 27 | 27.15 / 21.5 | 20 | **330.00** |
| **IS Standard as per Old design (Till the stocks last)** | | | | |
| 810 0010 | – | 10 / 15 | 20 | **105.00** |
| 8100014 | – | 14 / 15 | 20 | **110.00** |
| 8100019 | – | 19 / 20 | 20 | **130.00** |
| 8100024 | – | 24 / 25 | 20 | **245.00** |



## 8300 - Plastic Stoppers

Flat head, ISO standard

| Product Code | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 8300007 | 7 / 16 | 20 | **45.00** |
| 8300A10 | 10 / 19 | 20 | **50.00** |
| 8300012 | 12 / 21 | 20 | **55.00** |
| 8300A14 | 14 / 23 | 20 | **60.00** |
| 8300A19 | 19 / 26 | 20 | **70.00** |
| 8300A24 | 24 / 29 | 20 | **90.00** |
| 8300A29 | 29 / 32 | 20 | **120.00** |
| 8300A34 | 34 / 35 | 20 | **135.00** |

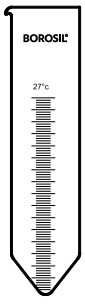


HSN Code : 39235010

## 8320 - CENTRIFUGE TUBE HEAVY DUTY

**With Spout, Plain, Short Conical Bottom**

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece |
|---|---|---|---|---|
| 8320011 | 40 | 29 x 116 | 20 | **220.00** |

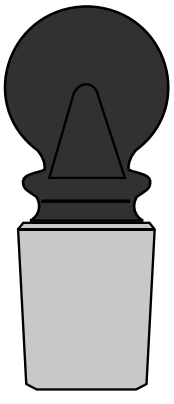



## 8340 - CENTRIFUGE TUBE HEAVY DUTY

**With Spout, Graduated, Short Conical Bottom**

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8340011 | 40 | 29 x 116 | 20 | **395.00** |

Graduated upto 10 ml in 0.5 ml and from 10 ml to 40 ml in 1 ml divisions



## 8400 - Glass Stoppers

**Penny head, Amber**

- With Interchangeable Ground Joint

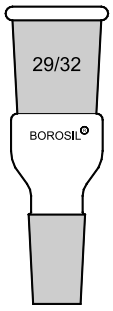
| Product Code | Stopper Number | Interchangeable Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| **ISO / DIN Standard (Long Neck)** | | | | |
| 8400A10 | – | 10 / 19 | 20 | **130.00** |
| 8400A12 | – | 12 / 21 | 20 | **165.00** |
| 8400A14 | – | 14 / 23 | 20 | **165.00** |
| 8400A19 | – | 19 / 26 | 20 | **190.00** |
| 8400A24 | – | 24 / 29 | 20 | **295.00** |
| 8400A29 | – | 29 / 32 | 20 | **345.00** |
| 8400A34 | – | 34 / 35 | 20 | **375.00** |
| **ASTM Standard** | | | | |
| 8410008 | # 8 | 8.25 / 10 | 20 | **130.00** |
| 8410009 | # 9 | 9.4 / 14 | 20 | **140.00** |
| 8410013 | # 13 | 13.4 / 14 | 20 | **160.00** |
| 8410016 | # 16 | 16.5 / 15 | 20 | **295.00** |
| 8410019 | # 19 | 19.7 / 17 | 20 | **360.00** |
| 8410022 | # 22 | 22.05 / 20.5 | 20 | **380.00** |
| 8410027 | # 27 | 27.15 / 21.5 | 20 | **395.00** |
| **IS Standard as per Old design (Till the stocks last)** | | | | |
| 8400010 | – | 10 / 15 | 20 | **130.00** |
| 8400014 | – | 14 / 15 | 20 | **165.00** |
| 8400019 | – | 19 / 20 | 20 | **190.00** |
| 8400024 | – | 24 / 25 | 20 | **295.00** |

Plastic Stopper - ISO, except ASTM
Stock on order

# Adapters

## 8800 - ENLARGING CONNECTING ADAPTERS

| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8800A01 | 19 / 26 | 14 / 23 | 5 | **340.00** |
| 8800A02 | 24 / 29 | 14 / 23 | 5 | **425.00** |
| 8800A03 | 24 / 29 | 19 / 26 | 5 | **425.00** |
| 8800A04 | 29 / 32 | 19 / 26 | 5 | **505.00** |
| 8800A05 | 29 / 32 | 24 / 29 | 5 | **505.00** |
| 8800A06 | 34 / 35 | 19 / 26 | 5 | **650.00** |
| 8800A07 | 34 / 35 | 24 / 29 | 5 | **650.00** |
| 8800A08 | 34 / 35 | 29 / 32 | 5 | **650.00** |

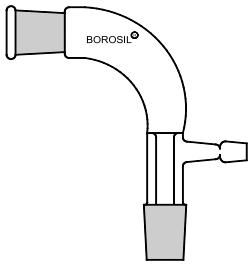



## 8820 - REDUCTION CONNECTING ADAPTERS

| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8820A09 | 29 / 32 | 34 / 35 | 5 | **655.00** |
| 8820A10 | 14 / 23 | 19 / 26 | 5 | **340.00** |
| 8820A11 | 14 /23 | 24 / 29 | 5 | **425.00** |
| 8820A13 | 19 / 26 | 29 / 32 | 5 | **505.00** |
| 8820A14 | 19 / 26 | 34 / 35 | 5 | **650.00** |
| 8820A15 | 24 / 29 | 29 / 32 | 5 | **505.00** |
| 8820A16 | 24 / 29 | 34 / 35 | 5 | **650.00** |
| 8820A17 | 29 / 32 | 40 / 38 | 5 | **735.00** |
| 8820A18 | 19 /26 | 24 / 29 | 5 | **425.00** |

## 8830 - RECEIVER BENT ADAPTER WITH VACUUM CONNECTION

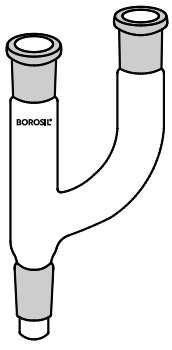
| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8830614 | 14 / 23 | 14 / 23 | 5 | **520.00** |
| 8830619 | 19 / 26 | 19 / 26 | 5 | **570.00** |
| 8830719 | 19 / 26 | 24 / 29 | 5 | **605.00** |
| 8830624 | 24 / 29 | 24 / 29 | 5 | **655.00** |
| 8830724 | 24 / 29 | 29 / 32 | 5 | **830.00** |
| 8830629 | 29 / 32 | 29 / 32 | 5 | **915.00** |

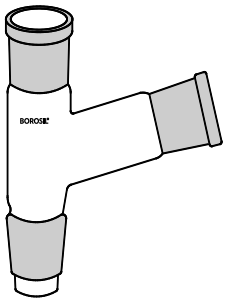



## 8831 - MULTIPLE ADAPTER

**With Two Parallel Necks**

| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8831614 | 14 / 23 | 14 / 23 | 5 | **355.00** |
| 8831619 | 19 / 26 | 19 / 26 | 5 | **390.00** |
| 8831719 | 19 / 26 | 24 / 29 | 5 | **435.00** |
| 8831624 | 24 / 29 | 24 / 29 | 5 | **470.00** |
| 8831819 | 19 / 26 | 34 / 35 | 5 | **550.00** |
| 8831629 | 29 / 32 | 29 / 32 | 5 | **615.00** |

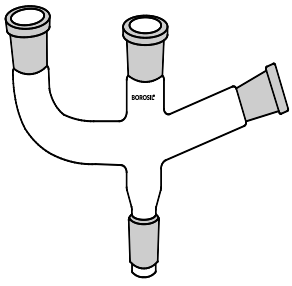




## 8832 - MULTIPLE ADAPTER

**With Two Necks**

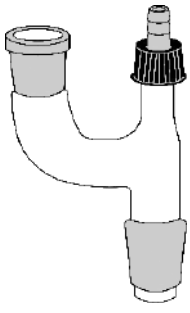
| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8832619 | 19 / 26 | 19 / 26 | 5 | **390.00** |
| 8832719 | 19 / 26 | 24 / 29 | 5 | **415.00** |
| 8832819 | 19 / 26 | 34 / 35 | 5 | **505.00** |



## 8833 - MULTIPLE ADAPTER

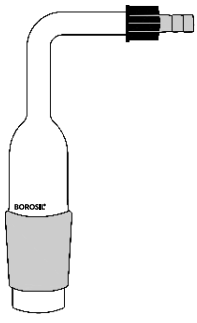
**With Three Necks**

| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8833A19 | 19 / 26 | 24 / 29 | 5 | **570.00** |
| 8833B19 | 19 / 26 | 29 / 32 | 5 | **655.00** |
| 8833C19 | 19 / 26 | 34 / 35 | 5 | **750.00** |
| 8833D19 | 19 / 26 | 45 / 40 | 5 | **965.00** |



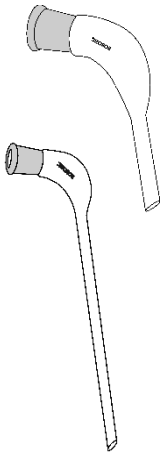
## 8834 - SWAN NECK ADAPTER

| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8834619 | 19 / 26 | 19 / 26 | 5 | **380.00** |
| 8834719 | 19 / 26 | 24 / 29 | 5 | **300.00** |
| 8834624 | 24 / 29 | 24 / 29 | 5 | **460.00** |
| 8834724 | 24 / 29 | 34 / 35 | 5 | **540.00** |



## 8835 - ADAPTER CONE / RUBBER TUBING

| Product Code | Socket Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 8835A10 | 10 / 19 | 5 | **205.00** |
| 8835A14 | 14 / 23 | 5 | **225.00** |
| 8835A19 | 19 / 26 | 5 | **265.00** |
| 8835A24 | 24 / 29 | 5 | **300.00** |
| 8835A29 | 29 / 32 | 5 | **415.00** |



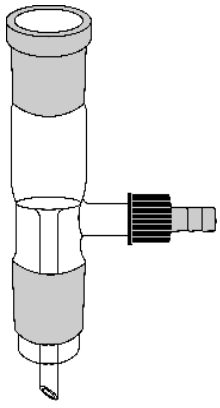
## 8836 - ADAPTER CONE - FLEXIBLE TUBING

| Product Code | Socket Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 8836A14 | 14 / 23 | 5 | **225.00** |
| 8836A19 | 19 / 26 | 5 | **260.00** |
| 8836A24 | 24 / 29 | 5 | **300.00** |
| 8836A29 | 29 / 32 | 5 | **370.00** |
| 8836B10 | 10 / 19 | 5 | **245.00** |
| 8836B14 | 14 / 23 | 5 | **335.00** |
| 8836B19 | 19 / 26 | 5 | **335.00** |
| 8836B24 | 24 / 29 | 5 | **390.00** |
| 8836B29 | 29 / 32 | 5 | **470.00** |

## 8837 - ADAPTER RECEIVER
**Straight Socket To Rubber**

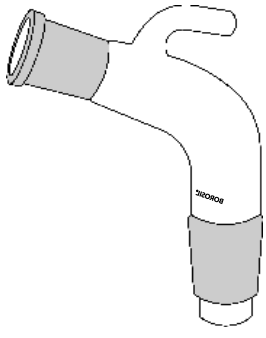
| Product Code | Socket Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 8837A14 | 14 / 23 | 5 | **225.00** |
| 8837A19 | 19 / 26 | 5 | **260.00** |
| 8837A24 | 24 / 29 | 5 | **290.00** |
| 8837A34 | 34 / 35 | 5 | **380.00** |

## 8838 - ADAPTER RECEIVER
**Straight With Vacuum**



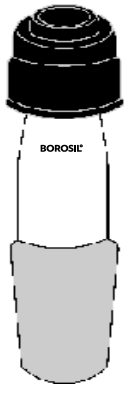
| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8838614 | 14 / 23 | 14 / 23 | 5 | **300.00** |
| 8838714 | 14 / 23 | 19 / 26 | 5 | **320.00** |
| 8838814 | 14 / 23 | 24 / 29 | 5 | **390.00** |
| 8838619 | 19 / 26 | 19 / 26 | 5 | **380.00** |
| 8838719 | 19 / 26 | 24 / 29 | 5 | **415.00** |
| 8838624 | 24 / 29 | 24 / 29 | 5 | **455.00** |
| 8838724 | 24 / 29 | 29 / 32 | 5 | **550.00** |

## 8839 - ADAPTER RECEIVER
**Bent With Vent**



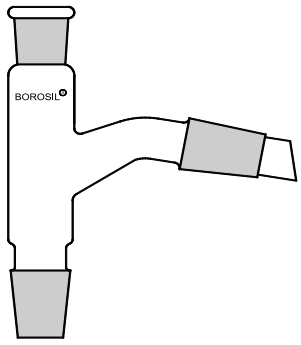
| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8839614 | 14 / 23 | 14 / 23 | 5 | **300.00** |
| 8839619 | 19 /26 | 19 / 26 | 5 | **345.00** |
| 8839719 | 19 / 26 | 24 / 29 | 5 | **415.00** |
| 8839624 | 24 / 29 | 24 / 29 | 5 | **455.00** |
| 8839629 | 29 /32 | 29 / 32 | 5 | **655.00** |

## 8840 - ADAPTER CONES SCREW THREAD




| Product Code | Socket Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 8840A14 | 14 / 23 | 5 | **320.00** |
| 8840A19 | 19 / 26 | 5 | **320.00** |
| 8840A24 | 24 / 29 | 5 | **370.00** |
| 8840A29 | 29 / 32 | 5 | **480.00** |

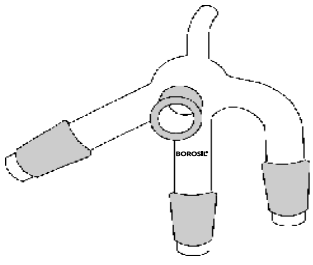
## 8841 - SLOPPING PLANE STILL HEAD




| Product Code | Flask Cone | Cond. Cone | Socket | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 8841610 | 10 / 19 | 10 / 19 | 10 / 19 | 5 | **470.00** |
| 8841614 | 14 / 23 | 14 / 23 | 14 / 23 | 5 | **495.00** |
| 8841619 | 19 / 26 | 19 / 26 | 14 / 23 | 5 | **560.00** |
| 8841819 | 19 / 26 | 19 / 26 | 19 / 26 | 5 | **595.00** |
| 8841724 | 24 / 29 | 19 / 26 | 14 / 23 | 5 | **625.00** |
| 8841624 | 24 / 29 | 24 / 29 | 19 / 26 | 5 | **680.00** |
| 8841729 | 29 / 32 | 19 / 26 | 14 / 23 | 5 | **695.00** |
| 8841629 | 29 / 32 | 29 / 32 | 14 / 23 | 5 | **995.00** |
| 8841634 | 34 / 35 | 19 / 26 | 14 / 23 | 5 | **800.00** |
| 8841734 | 34 / 35 | 24 / 29 | 14 / 23 | 5 | **935.00** |
| 8841834 | 34 / 35 | 34 / 35 | 14 / 23 | 5 | **2670.00** |

## 8844 - ADAPTER RECEIVER

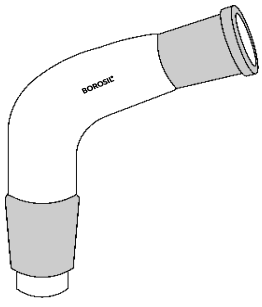
**Multiple Connectivity**



| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8844614 | 14 / 23 | 14 / 23 | 5 | **915.00** |
| 8844714 | 14 / 23 | 19 / 26 | 5 | **965.00** |
| 8844619 | 19 / 26 | 19 / 26 | 5 | **1075.00** |

## 8845 - ADAPTER RECEIVER

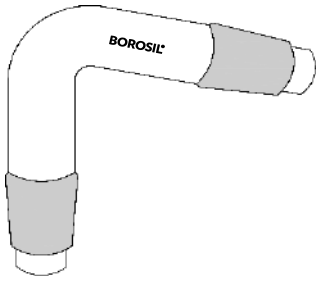
**Plain Bent**



| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8845619 | 19 / 26 | 19 / 26 | 5 | **345.00** |
| 8845719 | 19 / 26 | 24 / 29 | 5 | **380.00** |
| 8845624 | 24 / 29 | 24 / 29 | 5 | **455.00** |
| 8845629 | 29 / 32 | 29 / 32 | 5 | **655.00** |

## 8846 - ADAPTER RECOVERY BENT

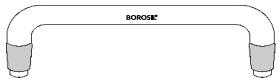
**With Sloping End**




| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8846614 | 14 / 23 | 14 / 23 | 5 | **260.00** |
| 8846724 | 24 / 29 | 14 / 23 | 5 | **345.00** |
| 8846619 | 19 / 26 | 19 / 26 | 5 | **345.00** |
| 8846824 | 24 / 29 | 19 / 26 | 5 | **360.00** |
| 8846729 | 29 / 32 | 19 / 26 | 5 | **470.00** |
| 8846734 | 34 / 35 | 19 / 26 | 5 | **505.00** |
| 8846624 | 24 / 29 | 24 / 29 | 5 | **360.00** |
| 8846834 | 34 / 35 | 24 / 29 | 5 | **560.00** |
| 8846634 | 34 / 35 | 34 / 35 | 5 | **625.00** |

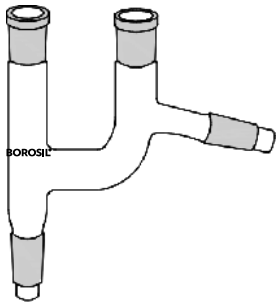
## 8847 - ADAPTER RECOVERY

**Bent Vertical**



| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8847614 | 14 / 23 | 14 / 23 | 5 | **370.00** |
| 8847619 | 19 / 26 | 19 / 26 | 5 | **455.00** |
| 8847724 | 24 / 29 | 14 / 23 | 5 | **480.00** |
| 8847624 | 24 / 29 | 24 / 29 | 5 | **570.00** |
| 8847629 | 29 / 32 | 29 / 32 | 5 | **750.00** |

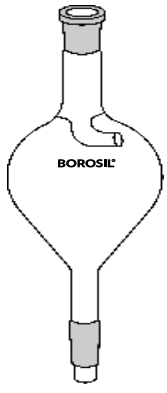
## 8849 - CLAISEN HEAD SLOPING



| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8849614 | 14 / 23 | 14 / 23 | 5 | **615.00** |
| 8849619 | 19 / 26 | 19 / 26 | 5 | **680.00** |
| 8849724 | 24 / 29 | 19 / 26 | 5 | **715.00** |
| 8849624 | 24 / 29 | 24 / 29 | 5 | **775.00** |
| 8849629 | 29 / 32 | 29 / 32 | 5 | **840.00** |
| 8849734 | 34 / 35 | 24 / 29 | 5 | **895.00** |

## 8850 - ADAPTER RECEIVER

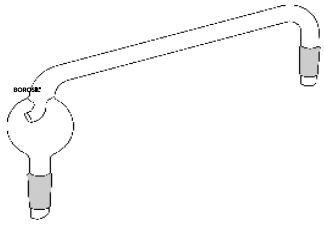
**Plain Vertical**



| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8850614 | 14 / 23 | 14 / 23 | 5 | **560.00** |
| 8850719 | 19 / 26 | 24 / 29 | 5 | **615.00** |
| 8830724 | 24 / 29 | 29 / 32 | 5 | **695.00** |

## 8851 - SPLASH HEAD

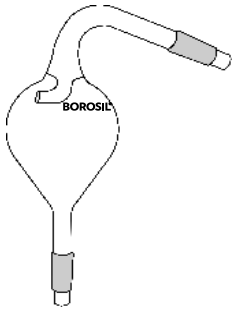
**Vertical, Pear Shape**



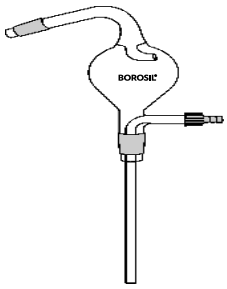
| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8851619 | 19 / 26 | 19 / 26 | 5 | **695.00** |
| 8851724 | 24 / 29 | 19 / 26 | 5 | **715.00** |
| 8851624 | 24 / 29 | 24 / 29 | 5 | **895.00** |
| 88516 29 | 29 / 32 | 29 / 32 | 5 | **965.00** |

## 8852 - SPLASH HEAD SLOPING

**Pear Shape**

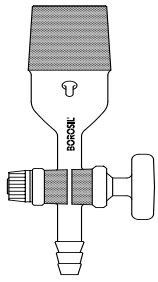


| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8852619 | 19 / 26 | 19 / 26 | 5 | **655.00** |
| 8852724 | 24 / 29 | 19 / 26 | 5 | **695.00** |
| 8852624 | 24 / 29 | 24 / 29 | 5 | **750.00** |
| 8852629 | 29 / 32 | 29 / 32 | 5 | **775.00** |




## 8853 - STEAM DISTILLATION HEADS

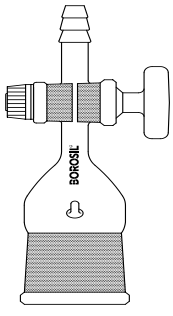
| Product Code | Socket Joint Size | Cone Joint Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8853724 | 24 / 29 | 19 / 26 | 5 | **965.00** |
| 8853734 | 34 / 35 | 19 / 26 | 5 | **1185.00** |
| 8853834 | 34 /35 | 24 / 29 | 5 | **1220.00** |




## 8854 - ADAPTOR

**Straight cone with stopcock**

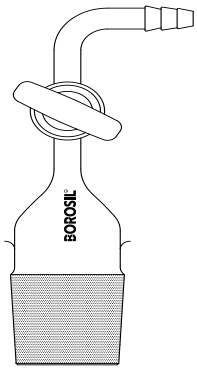
| Product Code | Cone Joint Size | Stopcock Bore mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8854014 | 14 / 23 | 2 | 5 | **1445.00** |
| 8854019 | 19 / 26 | 2 | 5 | **1460.00** |
| 8854024 | 24 / 29 | 2 | 5 | **1555.00** |
| 8854029 | 29 / 32 | 2 | 5 | **1740.00** |
| 8854034 | 34 / 35 | 2 | 5 | **2025.00** |




## 8855 - ADAPTOR

**Straight Socket With Stopcock**

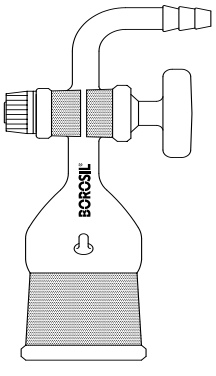
| Product Code | Cone Joint Size | Stopcock Bore mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8855014 | 14 / 23 | 2 | 5 | **1665.00** |
| 8855019 | 19 / 26 | 2 | 5 | **1675.00** |
| 8855024 | 24 / 29 | 2 | 5 | **1800.00** |
| 8855029 | 29 / 32 | 2 | 5 | **1920.00** |
| 8855034 | 34 / 35 | 2 | 5 | **2295.00** |




## 8856 - ADAPTOR

**Bent Cone With Stopcock**

| Product Code | Cone Joint Size | Stopcock Bore mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8856014 | 14 / 23 | 2 | 5 | **1165.00** |
| 8856019 | 19 / 26 | 2 | 5 | **1675.00** |
| 8856024 | 24 / 29 | 2 | 5 | **1800.00** |
| 8856029 | 29 / 32 | 2 | 5 | **1920.00** |
| 8856034 | 34 / 35 | 2 | 5 | **2175.00** |




## 8857 - ADAPTOR

**Bent Socket With Stopcock**

| Product Code | Cone Joint Size | Stopcock Bore mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8857014 | 14 / 23 | 2 | 5 | **1770.00** |
| 8857019 | 19 / 26 | 2 | 5 | **1785.00** |
| 8857024 | 24 / 29 | 2 | 5 | **1905.00** |
| 8857029 | 29 / 32 | 2 | 5 | **2180.00** |
| 8857034 | 34 / 35 | 2 | 5 | **2385.00** |

## 8861 - THERMOMETER POCKET

**Long Type**

| Product Code | Cone Joint Size | Stopcock Bore mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8861014 | 14 / 23 | 2 | 10 | **425.00** |
| 8861019 | 19 / 26 | 2 | 10 | **540.00** |
| 8861024 | 24 / 29 | 2 | 10 | **600.00** |
| 8861029 | 29 / 32 | 2 | 10 | **965.00** |
| 8861034 | 34 / 35 | 2 | 10 | **1135.00** |

## 8862 - THERMOMETER POCKET

**Short Type**

| Product Code | Cone Joint Size | Stopcock Bore mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 8862014 | 14 / 23 | 2 | 10 | **470.00** |
| 8862019 | 19 / 26 | 2 | 10 | **570.00** |
| 8862024 | 24 / 29 | 2 | 10 | **650.00** |

# Test Tubes

## 9800 - TEST TUBES

**With Rim**

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 9800U01 | 3 | 10 x 75 | 800 | **10.00** |
| 9800U02 | 5 | 12 x 75 | 800 | **10.00** |
| 9800U03 | 7 | 12 x 100 | 800 | **14.00** |
| 9800U15 | 4 | 13 x 55* | 800 | **16.00** |
| 9800U04 | 13 | 15 x 125 | 800 | **17.00** |
| 9800U05 | 15 | 15 x 150 | 400 | **20.00** |
| 9800U06 | 27 | 18 x 150 | 400 | **21.00** |
| 9800U07 | 38 | 25 x 100# | 200 | **27.00** |
| 9800U08 | 55 | 25 x 150 | 200 | **33.00** |
| 9800U09 | 70 | 25 x 200 | 100 | **43.00** |
| 9800U10 | 100 | 32 x 200 | 50 | **64.00** |
| 9800U11 | 170 | 38 x 200 | 50 | **78.00** |

* IS : 3740 for tube widal
# Not covered in the standard

## 9801 - TUBE FOR CULTURE COLLECTION

| Product Code | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 9801U01 | 7 x 127 | 800 | **25.00** |

## 9820 - TEST TUBES Without Rim

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 9820U16 | 1 | 7 x 60* | 800 | **10.00** |
| 9820U01 | 3 | 10 x 75*** | 800 | **10.00** |
| 9820U02 | 5 | 12 x 75**/*** | 800 | **10.00** |
| 9820U03 | 7 | 12 x 100*** | 800 | **14.00** |
| 9820U17 | 8 | 12 x 125*** | 800 | **15.00** |
| 9820U04 | 13 | 15 x 125 | 800 | **17.00** |
| 9820U05 | 15 | 15 x 150 | 400 | **20.00** |
| 9820U12 | 12 | 16 x 100*** | 800 | **19.00** |
| 9820U18 | 20 | 16 x 150*** | 400 | **24.00** |
| 9820U06 | 27 | 18 x 150 | 400 | **21.00** |
| 9820U19 | 25 | 19 x 125*** | 400 | **24.00** |
| 9820U07 | 38 | 25 x 100# | 200 | **27.00** |
| 9820U08 | 55 | 25 x 150*** | 200 | **33.00** |
| 9820U09 | 70 | 25 x 200 | 100 | **43.00** |
| 9820U10 | 100 | 32 x 200 | 50 | **64.00** |
| 9820U11 | 170 | 38 x 200 | 50 | **78.00** |

* IS:3740 - 1966 for DURHAM FERMENTATION

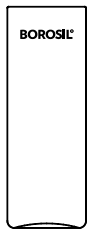
** IS:3740 - 1966 for KAHN & WASSERMAN TEST

*** IS:3740 - 1966 for BACTERIOLOGICAL TEST

# Not covered in the standard

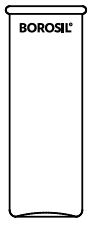
## 9821 - FLAT BOTTOM TUBE Without Rim

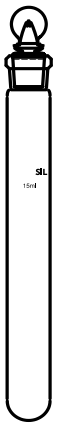
| Product Code | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 9821U 42 | 12 x 75 | 800 | **25.00** |




## 9822 - FLAT BOTTOM TUBE With Rim

| Product Code | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 9822U06 | 18 x 138 | 400 | **50.00** |
| 9822U07 | 18 x 55 | 100 | **30.00** |
| 9822U04 | 14 x 110 | 800 | **45.00** |





## 9829 - TEST TUBE

**Plain, With I/C Glass Stopper**

| Product Code | Capacity ml | Approx O.D. x Length mm | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 9829006 | 10 | 17 x 160 | 10 / 19 | 10 | **225.00** |
| 9829007 | 15 | 19 x 150 | 14 / 23 | 10 | **245.00** |
| 9829008 | 20 | 19 x 160 | 14 / 23 | 10 | **260.00** |
| 9829010 | 30 | 25 x 155 | 19 / 26 | 10 | **270.00** |
| 9829012 | 50 | 25 x 200 | 19 / 26 | 10 | **290.00** |
| 98291016 | 100 | 34 x 210 | 24 / 29 | 10 | **430.00** |

## 9830 - GRADUATED TEST TUBE

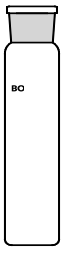
**With I/C Glass Stopper**

| Product Code | Capacity ml | Approx O.D. x Length mm | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 9830006 | 10 | 17 x 160 | 10 / 19 | 10 | **245.00** |
| 9830007 | 15 | 19 x 150 | 14 / 23 | 10 | **275.00** |
| 9830008 | 20 | 19 x 160 | 14 / 23 | 10 | **290.00** |
| 9830010 | 30 | 25 x 155 | 19 / 26 | 10 | **300.00** |
| 9830012 | 50 | 25 x 200 | 19 / 26 | 10 | **315.00** |
| 9830016 | 100 | 34 x 210 | 24 / 29 | 10 | **475.00** |

## 9831 - GRADUATED TEST TUBE

**With I/C Glass Stopper, Amber**

| Product Code | Capacity ml | Approx O.D. x Length mm | Stopper Size | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 9831006 | 10 | 17 x 160 | 10 / 19 | 10 | **335.00** |
| 9831007 | 15 | 19 x 150 | 14 / 23 | 10 | **375.00** |
| 9831008 | 20 | 19 x 160 | 14 / 23 | 10 | **385.00** |
| 9831010 | 30 | 25 x 155 | 19 / 26 | 10 | **405.00** |
| 9831012 | 50 | 25 x 200 | 19 / 26 | 10 | **425.00** |
| 9831016 | 100 | 34 x 210 | 24 / 29 | 10 | **645.00** |



## 9835 - COD DIGESTION TUBE

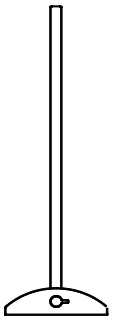
| Product Code | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 9835A01 | 36 x 205 | 10 | **505.00** |
| 9835001 | 39 x 205 | 10 | **505.00** |

## 9850 - GLASS STIRRER ROD

| Product Code | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 9850107 | 7 x 150 | 100 | **35.00** |
| 9850207 | 7 x 205 | 100 | **45.00** |
| 9850307 | 7 x 255 | 100 | **45.00** |
| 9850407 | 7 x 305 | 100 | **60.00** |
| 9850109 | 9 x 150 | 100 | **45.00** |
| 9850209 | 9 x 205 | 100 | **60.00** |
| 9850309 | 9 x 255 | 100 | **70.00** |
| 9850409 | 9 x 305 | 100 | **70.00** |

## 9860 - GLASS STIRRER ROD With PTFE Blade

| Product Code | Shaft Dia x Length mm | Blade width mm | Socket | Suitable for flask capacity | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 9860065 | 6 x 450 | 50 | 19 / 26 | 500 ml | 10 | **405.00** |
| 9860071 | 6 x 450 | 75 | 24 / 29 | 1000 ml | 10 | **505.00** |
| 9860077 | 8 x 600 | 100 | 34 / 35 | 2000 ml | 5 | **645.00** |
| 9860080 | 8 x 600 | 125 | 34 / 35 | 5000 ml | 5 | **710.00** |
| 9860081 | 10 x 750 | 150 | 55 / 44 | 10000 ml | 5 | **1265.00** |
| 9860087 | 10 x 750 | 200 | 55 / 44 | 20000 ml | 5 | **1410.00** |



## 9865 - GLASS L SHAPED SPREADER

| Product Code | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 9865683 | 6 x 150 | 100 | **60.00** |

## 9900 - CULTURE TUBES

### Round Bottom, Clear, With PP Cap

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 9900005 | 5 | 16 x 75 | 100 | **65.00** |
| 9900006 | 10 | 16 x 125 | 100 | **70.00** |
| 9900010 | 30 | 25 x 100 | 100 | **85.00** |
| 9900012 | 50 | 25 x 150 | 50 | **90.00** |
| 9900013 | 60 | 25 x 200 | 50 | **90.00** |
| 9900018 | 150# | 38 x 200 | 50 | **385.00** |

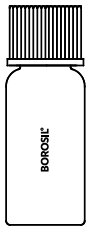
All caps are Polypropylene with PTFE liner, except 15 0 ml
#Blue colour cap without PTFE liner & autoclavable up to 140°C

## 9901 - CULTURE TUBES

### Round Bottom, Amber, With PP Cap

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 99010 05 | 5 | 16 x 75 | 100 | **115.00** |
| 99010 06 | 10 | 16 x 125 | 100 | **150.00** |
| 99010 10 | 30 | 25 x 100 | 100 | **165.00** |
| 9901013 | 60 | 25 x 200 | 50 | **220.00** |
| 9901018 | 150# | 38 x 200 | 50 | **980.00** |

All caps are Polypropylene with PTFE liner, except 15 0 ml
#Blue colour cap without PTFE liner & autoclavable up to 140°C




## 9910 - CULTURE TUBE

**Flat Bottom, Clear, With PP Cap**

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 9910005 | 5 | 16 x 50 | 100 | **60.00** |
| 9910006 | 10 | 25 x 50 | 100 | **75.00** |
| 9910007 | 15 | 25 x 57 | 100 | **75.00** |
| 9910008 | 20 | 25 X 72 | 100 | **80.00** |
| 9910 010 | 30 | 25 x 95 | 100 | **85.00** |
| 9910 012 | 50 | 25 x 145 | 50 | **90.00** |

## 9911 - CULTURE TUBE

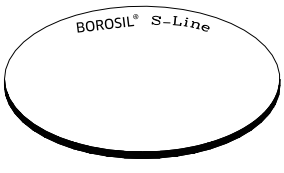
**Flat Bottom, Amber, With PP Cap**

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 9911 005 | 5 | 16 x 50 | 100 | **115.00** |
| 9911 006 | 10 | 25 x 50 | 100 | **155.00** |
| 9911 007 | 15 | 25 x 57 | 100 | **155.00** |
| 9911 008 | 20 | 25 x 72 | 100 | **185.00** |
| 991110 10 | 30 | 25 x 95 | 100 | **195.00** |

## 9913 - SAMPLING & STORAGE VIALS

| Product Code | Capacity ml | Approx Mouth ID in mm | Dimension O.D. x Length in mm | Case Lot (MOQ) | Price Per Piece ₹ |
|---|---|---|---|---|---|
| 991 3003 | 3 | 10 | 16 x 36 | 1050 | **35.00** |
| 991 3005 | 5 | 10 | 16 x 55 | 1050 | **40.00** |
| 991 3006 | 10 | 16.5 | 24 x 50 | 600 | **60.00** |
| 991 3007 | 15 | 16.5 | 24 x 58 | 600 | **65.00** |
| 991 3008 | 20 | 16.5 | 24 x 70 | 600 | **80.00** |
| 991 3010 | 30 | 16.5 | 24 x 95 | 600 | **95.00** |

# Watch Glass



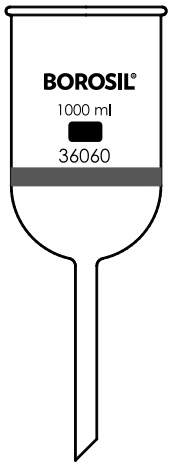

## 9986 - WATCH GLASSES S - Line

| Product Code | Size mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 9986072 | 80 | 50 | **105.00** |
| 9986077 | 100 | 50 | **120.00** |
| 9986079 | 120 | 20 | **130.00** |
| 9986081 | 150 | 20 | **165.00** |

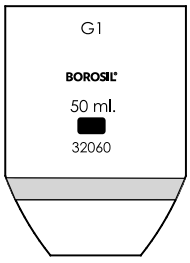
# Sintered Ware

## 36060 - BUCHNER FUNNEL With Sintered Disc

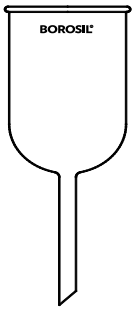
| Product Code | Capacity ml | Porosity Grade | Dia of Disc mm | Approx Height mm | Stem Dia mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|---|
| 3606058 | 35 | 1 | 30 | 130 | 8 | 5 | **610.00** |
| 3606658 | 35 | 2 | 30 | 130 | 8 | 5 | **610.00** |
| 3606758 | 35 | 3 | 30 | 130 | 8 | 5 | **610.00** |
| 3606858 | 35 | 4 | 30 | 130 | 8 | 5 | **610.00** |
| 3606958 | 35 | 5 | 30 | 130 | 8 | 5 | **730.00** |
| 3606072 | 80 | 1 | 35 | 142 | 8 | 5 | **1185.00** |
| 3606672 | 80 | 2 | 35 | 142 | 8 | 5 | **1185.00** |
| 3606772 | 80 | 3 | 35 | 142 | 8 | 5 | **1185.00** |
| 3606872 | 80 | 4 | 35 | 142 | 8 | 5 | **1185.00** |
| 3606972 | 80 | 5 | 35 | 142 | 8 | 5 | **1435.00** |
| 3606020 | 200 | 1 | 68 | 215 | 13 | 5 | **1845.00** |
| 3606620 | 200 | 2 | 68 | 215 | 13 | 5 | **1845.00** |
| 3606720 | 200 | 3 | 68 | 215 | 13 | 5 | **1845.00** |
| 3606820 | 200 | 4 | 68 | 215 | 13 | 5 | **1845.00** |
| 3606920 | 200 | 5 | 68 | 215 | 13 | 5 | **2145.00** |
| 3606024 | 500 | 1 | 92 | 258 | 17 | 2 | **4345.00** |
| 3606624 | 500 | 2 | 92 | 258 | 17 | 2 | **4345.00** |
| 3606724 | 500 | 3 | 92 | 258 | 17 | 2 | **4345.00** |
| 3606824 | 500 | 4 | 92 | 258 | 17 | 2 | **4345.00** |
| 3606924 | 500 | 5 | 92 | 258 | 17 | 2 | **5685.00** |
| 3606029 | 1000 | 1 | 124 | 276 | 19 | 2 | **8400.00** |
| 3606629 | 1000 | 2 | 124 | 276 | 19 | 2 | **8400.00** |
| 3606729 | 1000 | 3 | 124 | 276 | 19 | 2 | **8400.00** |
| 3606829 | 1000 | 4 | 124 | 276 | 19 | 2 | **8400.00** |
| 3606929 | 1000 | 5 | 124 | 276 | 19 | 2 | **10740.00** |



## 32060 - GOOCH CRUCIBLE Low Form, With Sintered Disc




| Product Code | Capacity ml | Porosity Grade mm | Dia of Disc mm | Approx Height | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|---|
| 3206007 | 15 | 1 | 20 | 50 | 10 | **440.00** |
| 3206607 | 15 | 2 | 20 | 50 | 10 | **440.00** |
| 3206707 | 15 | 3 | 20 | 50 | 10 | **440.00** |
| 3206807 | 15 | 4 | 20 | 50 | 10 | **440.00** |
| 3206907 | 15 | 5 | 20 | 50 | 10 | **540.00** |
| 3206010 | 30 | 1 | 30 | 60 | 10 | **585.00** |
| 3206610 | 30 | 2 | 30 | 60 | 10 | **585.00** |
| 3206710 | 30 | 3 | 30 | 60 | 10 | **585.00** |
| 3206810 | 30 | 4 | 30 | 60 | 10 | **585.00** |
| 3206910 | 30 | 5 | 30 | 60 | 10 | **720.00** |
| 3206012 | 50 | 1 | 40 | 65 | 10 | **675.00** |
| 3206612 | 50 | 2 | 40 | 65 | 10 | **675.00** |
| 3206712 | 50 | 3 | 40 | 65 | 10 | **675.00** |
| 3206812 | 50 | 4 | 40 | 65 | 10 | **675.00** |
| 3206912 | 50 | 5 | 40 | 65 | 10 | **845.00** |




## 32061 - TUBE FOR GOOCH CRUCIBLE

| Product Code | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3206127 | 27 x 150 | 5 | **195.00** |
| 3206136 | 36 x 160 | 5 | **275.00** |
| 3206156 | 56 x 170 | 10 | **410.00** |

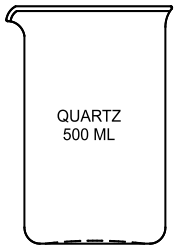
These are suitable for use with our filtering crucibles Gooch Type with sintered disc, No. 32060 lower part 8 mm O.D. x 75 mm length in all sizes.

# Quartz Ware

## 1002 - QUARTZ LOW FORM BEAKER

**With Spout**

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 1002009 | 25 | 35 x 45 | 5 | **1505.00** |
| 10 02012 | 50 | 40 x 58 | 5 | **2220.00** |
| 1002016 | 100 | 50 x 75 | 5 | **3415.00** |
| 10 02018 | 150 | 55 x 88 | 5 | **4420.00** |
| 1002021 | 250 | 70 x 95 | 1 | **6605.00** |
| 1002024 | 500 | 85 x 115 | 1 | **12645.00** |
| 1002029 | 1000 | 105 x 145 | 1 | **21995.00** |



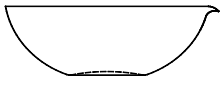

## 3175 - QUARTZ MUFFLE TRAYS

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 317 5041 | 2 Holes | 39 | 1 | **1985.00** |
| 317 5042 | 4 Holes | 76 | 1 | **3880.00** |

## 3185 - QUARTZ ROUND DISHES/BASINS

**With Spout**

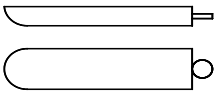
| Product Code | Approx O.D. x Height mm | Nominal Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3185008 | 55 x 23 | 20 | 10 | **1305.00** |
| 3185042 | 75 x 27 | 45 | 5 | **3685.00** |
| 3185044 | 85 x 35 | 70 | 5 | **4600.00** |
| 3185045 | 95 x 36 | 85 | 1 | **7615.00** |
| 3185016 | 100 x 38 | 100 | 1 | **9165.00** |
| 3185046 | 115 x 47 | 200 | 1 | **13935.00** |



## 3186 - QUARTZ COMBUSTION BOATS

**With Handle**

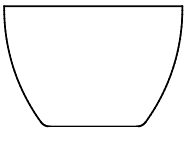
| Product Code | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3186Q01 | 12 x 77 | 1 | **1220.00** |



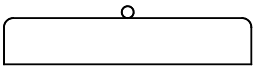
## 3190 - QUARTZ CRUCIBLES

**Without Lid**

| Product Code | Capacity ml | Approx O.D. x Length mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|
| 3190007 | 15 | 40 x 26 | 10 | **715.00** |
| 3190009 | 25 | 47 x 30 | 10 | **1040.00** |
| 3190012 | 50 | 57 x 35 | 10 | **1665.00** |
| 3190015 | 80 | 69 x 45 | 10 | **2680.00** |
| 319 0018 | 150 | 80 x 54 | 5 | **4910.00** |

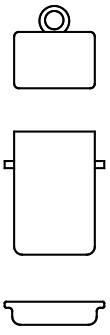


## 3191 - LIDS FOR QUARTZ CRUCIBLES (CAT. NO. 3190)



| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3191007 | 15 | 10 | **705.00** |
| 3191009 | 25 | 10 | **1000.00** |
| 3191012 | 50 | 10 | **1565.00** |
| 3191015 | 80 | 10 | **2590.00** |

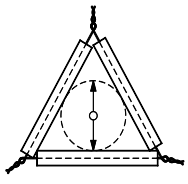
## 3195, 3196 & 3197 - QUARTZ VOLATILE MATTER CRUCIBLES



| Product Code | Catalogue No. | Item | Dimension mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|---|---|
| 3195041 | 3195 | Crucible | 25 x 38 | 5 | **2010.00** |
| 3196041 | 3196 | Plunger | 12.5 | 5 | **660.00** |
| 3197041 | 3197 | Lid | | 5 | **590.00** |

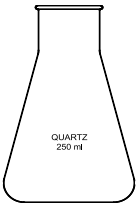
## 3198 - QUARTZ SILICA TRIANGLES

**on Nichrome (Translucent)**



| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3198007 | 15 | 10 | **260.00** |
| 3198009 | 25 | 10 | **345.00** |
| 3198012 | 50 | 10 | **660.00** |
| 3198015 | 80 | 5 | **940.00** |

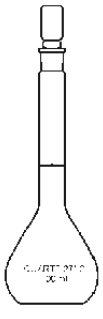
## 4984 - QUARTZ ERLENMEYER (CONICAL) FLASK




| Product Code | Capacity ml | External Dimension | | Price / Piece ₹ |
|---|---|---|---|---|
| | | O.D. mm | Height mm | |
| 4984016 | 100 | 64 | 105 | **6910.00** |
| 4984018 | 150 | 72 | 124 | **8500.00** |
| 4984021 | 250 | 85 | 140 | **10755.00** |

## 5644 - QUARTZ VOLUMETRIC FLASK

**With I/C Quartz Stopper, Class B**



| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 5644005 | 5 | 1 | **5795.00** |
| 5644006 | 10 | 1 | **3325.00** |
| 5644009 | 25 | 1 | **3935.00** |
| 5644012 | 50 | 1 | **4710.00** |
| 5644016 | 100 | 1 | **6085.00** |
| 5644021 | 250 | 1 | **8825.00** |
| 5644024 | 500 | 1 | **11750.00** |
| 5644029 | 1000 | 1 | **23475.00** |

## 8600 - QUARTZ CIRCULAR CAPSULE

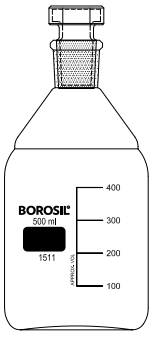
| Product Code | External Dimension | | Price / Piece ₹ |
|---|---|---|---|
| | Height mm | Diameter mm | |
| 8600Q01 | 14 | 48 | **1665.00** |
| 8600Q02 | 15 | 54 | **1890.00** |

*The ash content in coal is an important parameter in determining the quality of coal. Ash reduces the calorific value of coals and hence burning coals on a large scale require knowledge of their ash content. Analysis is f1665 - PLASTIC CLAMPS FOR JOINT FITTNGSairly straight forward, with the coal thoroughly burnt at 750°C to 800°C and the ash material express as a percentage of the original weight. It gives an indication about the quality of coal.

## 1511 - QUARTZ REAGENT BOTTLE

With Hollow Quartz I/C Stopper

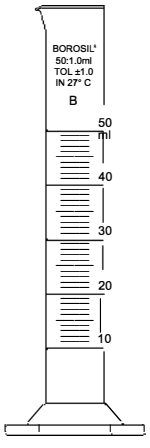
| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 1511 024 | 500 | 1 | **19125.00** |




## 3028 - QUARTZ MEASURING CYLINDER

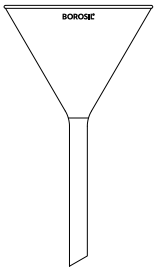
**With Spout, Class B**

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 3028005 | 5 | 1 | **7710.00** |
| 3028006 | 10 | 1 | **8635.00** |
| 3028009 | 25 | 1 | **11720.00** |
| 3028012 | 50 | 1 | **17890.00** |
| 3028016 | 100 | 1 | **24060.00** |
| 3028021 | 250 | 1 | **34545.00** |
| 3028024 | 500 | 1 | **47500.00** |



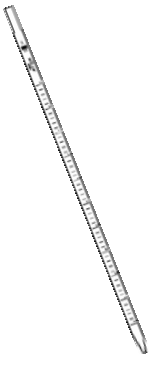

## 6141 - QUARTZ FILTER FUNNEL, 60°

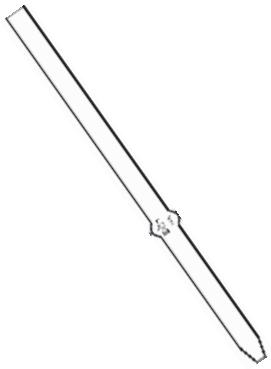
| Product Code | Capacity mm | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 6141071 | 75 | 1 | **18040.00** |




## 7064 - QUARTZ MOHR GRADUATED PIPETTES, CLASS B

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 7064P41 | 1 x 0 .01 | 1 | **9995.00** |
| 7064P22 | 2 x 0.1 | 1 | **6785.00** |
| 7064P55 | 5 x 0.1 | 1 | **8760.00** |
| 7064P06 | 10 x 0.1 | 1 | **10485.00** |





## 7104 - QUARTZ VOLUMETRIC PIPETTES, CLASS B

| Product Code | Capacity ml | Quantity Per Case | Price / Piece ₹ |
|---|---|---|---|
| 710 4001 | 1 | 1 | **7600.00** |
| 710 4002 | 2 | 1 | **7660.00** |
| 710 4003 | 3 | 1 | **9930.00** |
| 7104004 | 4 | 1 | **9930.00** |
| 710 4005 | 5 | 1 | **9770.00** |
| 710 4706 | 6 | 1 | **10990.00** |
| 710 4006 | 10 | 1 | **13435.00** |

# Microscope Slides & Cover Glasses

**9100P02 - PLAIN**

**9100D01 - DOUBLE FROSTED**

## 9100 - MICROSCOPE GLASS SLIDES

| Product Code | Description | Dimensions mm L x B x WT | Quantity Per Packet No. | Packets / Case | Price / Packet ₹ |
|---|---|---|---|---|---|
| 9100P02 | Plain, Ground Edges | 76 x 26 x 1 | 50 | 25 | **195.00** |
| 910 0D01 | Double Frosted, Ground Edges | 76 x 26 x 1 | 50 | 25 | **275.00** |

L : Length x B : Breadth x WT : Wall Thickness

## 9115 - COVER GLASS

| Product Code | Description | Dimensions mm | Quantity Per Packet / Piece | Packets / Case | Price / Packet ₹ |
|---|---|---|---|---|---|
| 911 5S01 | Square | 18 x 18 | 100 | 50 | **290.00** |
| 911 5S02 | Square | 22 x 22 | 100 | 50 | **430.00** |
| 911 5S03 | Square | 24 x 24 | 100 | 50 | **485.00** |
| 911 5R01 | Rectangular | 22 x 40 | 100 | 50 | **690.00** |
| 911 5R02 | Rectangular | 22 x 50 | 100 | 50 | **805.00** |
| 911 5R03 | Rectangular | 22 x 60 | 100 | 50 | **935.00** |

**9115S01 - SQUARE**

**9115S02 - SQUARE**

**9115S03 - SQUARE**

**9115R01 - RECTANGULAR**

**9115R02 - RECTANGULAR**

**9115R03 - RECTANGULAR**

# BOROSIL®

# Analytical Vials & Closures

"for Labs where **compliance** matters"

## Why should I choose BOROSIL vials?

No matter which make of instrument you use, it is critical that your sample is carried in a reliable vial.

Whereas, it is important that vials are made within stringent dimensions in controlled conditions to perform consistently, it is even more critical to a Chemist to be able to confidently rule out the vial as a contributor to an OOS (out of specification) incident.

BOROSIL being a manufacturer of vials, provides a Chemist access to the detailed testing & quality documentation of vials thereby enabling a chemist to investigate root causes effectively.

BOROSIL®

# Analytical Vials & Closures

"for Labs where **compliance** matters"

## VIALS

| Product Code | Volume | Vial Color | Special Feature 1 | Neck Dia | Neck Type | Glass Detail | Application | Special Feature 3 | Pack Size | Case Lot | List Price 22-23 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VO02C00900S000 | 2ml | Clear | – | 9mm | Screw | Fiolax 51 | HPLC | – | 100 | 10 X 100 | **1300.00** |
| VO02A00900S000 | 2ml | Amber | – | 9mm | Screw | Fiolax 54 | HPLC | – | 100 | 10 X 100 | **1700.00** |
| VO02C10900S000 | 2ml | Clear | with Patch | 9mm | Screw | Fiolax 51 | HPLC | | 100 | 10 X 100 | **1550.00** |
| VO02A10900S000 | 2ml | Amber | with Patch | 9mm | Screw | Fiolax 54 | HPLC | | 100 | 10 X 100 | **2100.00** |
| VO02C01100C000 | 2ml | Clear | – | 11mm | Crimp | Fiolax 51 | HPLC | | 100 | 10 X 100 | **1150.00** |
| VO02A01100C000 | 2ml | Amber | – | 11mm | Crimp | Fiolax 54 | HPLC | | 100 | 10 X 100 | **1350.00** |
| VO02C11100C000 | 2ml | Clear | Borosil Patch | 11mm | Crimp | Fiolax 51 | HPLC | | 100 | 10 X 100 | **1250.00** |
| VO02A11100C000 | 2ml | Amber | Borosil Patch | 11mm | Crimp | Fiolax 54 | HPLC | | 100 | 10 X 100 | **1650.00** |
| VO20R12000C000 | 20ml | Clear | Borosil Patch | 20mm | Crimp | Fiolax 51 | GC Headspace | Round Bottom | 100 | 5 X 100 | **3500.00** |
| VO20F12000C000 | 20ml | Clear | Borosil Patch | 20mm | Crimp | Fiolax 51 | GC Headspace | Flat Bottom | 100 | 5 X 100 | **3500.00** |
| VO06CF2000C000 | 6ml | Clear | – | 20mm | Crimp | Fiolax 51 | Storage | Flat Bottom | 172 | 1 X 172 | **On request** |
| VO06AF2000C000 | 6ml | Amber | – | 20mm | Crimp | Fiolax 54 | Storage | Flat Bottom | 172 | 1 X 172 | **On request** |

## CLOSURES

| Product Code | Cap Dia | Neck | Special Feature 1 | Liner | Special Feature 2 | Liner Feature | Special Feature 3 | Special Feature 4 | Pack Size | Case Lot | List Price 22-23 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CS000009PBS124 | 9mm | Screw | – | Silicone PTFE | Bonded | Everyday | HPLC | Blue Cap | 100 | 10 X 100 | **1650.00** |
| CS000009PBS114 | 9mm | Screw | Pre Slit | Silicone PTFE | Bonded | Everyday | HPLC | Blue Cap | 100 | 10 X 100 | **1650.00** |
| CS000009PBS113 | 9mm | Screw | Pre Slit | Silicone PTFE | Bonded | Standard | HPLC | Blue Cap | 100 | 10 X 100 | **2500.00** |
| CS000011ASC021 | 11mm | Crimp | – | Silicone PTFE | – | Everyday | HPLC | Silver Aluminum Cap | 100 | 10 X 100 | **1250.00** |
| CS000011ASC022 | 11mm | Crimp | Pre Slit | Silicone PTFE | – | Everyday | HPLC | Silver Aluminum Cap | 100 | 10 X 100 | **1500.00** |
| CS000020ASC041 | 20mm | Crimp | – | Silicone PTFE | – | Low Bleed | GC Headspace | Silver Aluminum Cap | 100 | 5 X 100 | **4100.00** |

## CONVENIENCE KITS OF VIALS WITH CAPS

| Product Code | Cap / Neck Dia | Neck | Special Feature 1 | Liner | Vial Colour | Glass | Application | Special Feature 2 | Pack Size | Case Lot | Price 22-23 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VC02C009PBS124 | 9mm | Screw | – | Silicone PTFE | Clear | Fiolax 51 | HPLC | Bonded | 100 | 10 X 100 | **2700.00** |
| VC02C009PBS114 | 9mm | Screw | Pre Slit | Silicone PTFE | Clear | Fiolax 51 | HPLC | Bonded | 100 | 10 X 100 | **2700.00** |
| VC02C109PBS124 | 9mm | Screw | – | Silicone PTFE | Clear | Fiolax 51 | HPLC | Bonded | 100 | 10 X 100 | **2950.00** |
| VC02C109PBS114 | 9mm | Screw | Pre Slit | Silicone PTFE | Clear | Fiolax 51 | HPLC | Bonded | 100 | 10 X 100 | **2950.00** |
| VC02C109PBS113 | 9mm | Screw | Pre Slit | Silicone PTFE | Clear | Fiolax 51 | HPLC | Bonded | 100 | 10 X 100 | **3600.00** |
| VC02A009PBS124 | 9mm | Screw | – | Silicone PTFE | Amber | Fiolax 54 | HPLC | Bonded | 100 | 10 X 100 | **3150.00** |
| VC02A009PBS114 | 9mm | Screw | Pre Slit | Silicone PTFE | Amber | Fiolax 54 | HPLC | Bonded | 100 | 10 X 100 | **3150.00** |
| VC02A109PBS124 | 9mm | Screw | – | Silicone PTFE | Amber | Fiolax 54 | HPLC | Bonded | 100 | 10 X 100 | **3400.00** |
| VC02A109PBS114 | 9mm | Screw | Pre Slit | Silicone PTFE | Amber | Fiolax 54 | HPLC | Bonded | 100 | 10 X 100 | **3500.00** |
| VC02A109PBS113 | 9mm | Screw | Pre Slit | Silicone PTFE | Amber | Fiolax 54 | HPLC | Bonded | 100 | 10 X 100 | **4100.00** |
| VC02C409PBS113 | 9mm | Screw | Pre Slit | Silicone PTFE | Clear | Boro 33 | HPLC | Bonded | 100 | 10 X 100 | **4600.00** |
| VC02C409PBSUM1 | 9mm | Screw | Pre Slit | Silicone PTFE | Clear | Boro 33 | HPLC | Bonded | 100 | 10 X 100 | **5400.00** |
| VC02C409PBSUM2 | 9mm | Screw | – | Silicone PTFE | Clear | Boro 33 | HPLC | Bonded | 100 | 10 X 100 | **5400.00** |
| VC02C011ASC021 | 11mm | Crimp | – | Silicone PTFE | Clear | Fiolax 51 | HPLC | – | 100 | 10 X 100 | **2200.00** |
| VC02C011ASC022 | 11mm | Crimp | Pre Slit | Silicone PTFE | Clear | Fiolax 51 | HPLC | – | 100 | 10 X 100 | **2400.00** |
| VC02C111ASC021 | 11mm | Crimp | – | Silicone PTFE | Clear | Fiolax 51 | HPLC | – | 100 | 10 X 100 | **2300.00** |
| VC02C111ASC022 | 11mm | Crimp | Pre Slit | Silicone PTFE | Clear | Fiolax 51 | HPLC | – | 100 | 10 X 100 | **2500.00** |
| VC02A011ASC021 | 11mm | Crimp | – | Silicone PTFE | Amber | Fiolax 54 | HPLC | – | 100 | 10 X 100 | **2300.00** |
| VC02A011ASC022 | 11mm | Crimp | Pre Slit | Silicone PTFE | Amber | Fiolax 54 | HPLC | – | 100 | 10 X 100 | **2500.00** |
| VC02A111ASC021 | 11mm | Crimp | – | Silicone PTFE | Amber | Fiolax 54 | HPLC | – | 100 | 10 X 100 | **2600.00** |
| VC02A111ASC022 | 11mm | Crimp | Pre Slit | Silicone PTFE | Amber | Fiolax 54 | HPLC | – | 100 | 10 X 100 | **2750.00** |
| VC20R120ASC041 | 20mm | Crimp | – | Silicone PTFE | Clear | Fiolax 51 | GC Headspace | – | 100 | 5 X 100 | **7650.00** |
| VC20F120ASC041 | 20mm | Crimp | – | Silicone PTFE | Clear | Fiolax 51 | GC Headspace | – | 100 | 5 X 100 | **7650.00** |
| VC40C124POS111 | 24mm | Screw | Protective cap | Silicone PTFE | Clear | Fiolax 51 | EPA | Bonded | 72 | 1 X 72 | **15400.00** |

# Lab Accessories

## TONGS FOR BEAKERS & FLASKS

| Product Code | Description | Size Inches | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|---|
| LATG8888B10 | Beaker tong | 10 | 6 | **390.00** |
| LATG8888B12 | Beaker tong | 12 | 6 | **520.00** |
| LATG8888F10 | Flask tong | 10 | 6 | **495.00** |
| LATG8888F12 | Flaks tong | 12 | 6 | **615.00** |

## TONGS FOR CRUCIBLE

| Product Code | Description | Size Inches | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|---|
| LACT8888006 | Crucible tong with bow stainless steel | 6 | 6 | **195.00** |
| LACT8888008 | Crucible tong with bow stainless steel | 8 | 6 | **245.00** |
| LACT8888010 | Tong crucible, SS, | 10 | 6 | **340.00** |
| LACT8888012 | Crucible tong with bow stainless steel | 12 | 6 | **455.00** |

## CLAMPS

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LAFC8888Z02 | Two finger clamp, Zinc pressure die casted | 10 | **390.00** |
| LAFC8888AD3 | Three finger clamp, Aluminum pressure die casted | 10 | **455.00** |
| LAFC8888ZD4 | Four finger clamp, Zinc pressure die casted | 10 | **390.00** |
| LAFC8888AD4 | Four finger clamp Aluminum pressure die casted | 10 | **415.00** |

## CLAMPS WITH BOSSHEAD

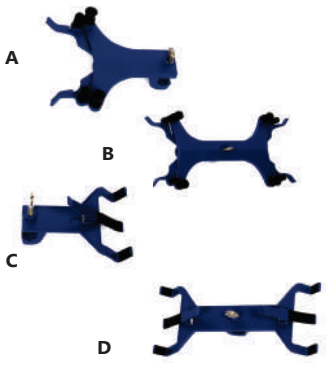
| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LAFC8888Z03 | Two finger clamp (Zinc PDC) with adjustable bosshead | 12 | **705.00** |
| LAFC8888A03 | Three finger clamp (Aluminium PDC) with adjustable bosshead | 12 | **705.00** |
| LAFC8888Z04 | Four finger clamp (Zinc PDC) with adjustable bosshead | 12 | **775.00** |
| LAFC8888A04 | Four finger clamp (Aluminium PDC) with adjustable bosshead | 12 | **810.00** |

## UNIVERSAL CLAMPS

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LABC8888SC1 | Single Burette clamp, PVC coated jaws stainless steel | 12 | **520.00** |
| LABC8888S01 | Single Burette clamp, PVC uncoated jaws, stainless steel | 12 | **455.00** |

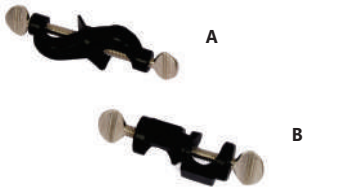
## BURETTE CLAMPS

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LABC8888B01 | Single burette clamp, Aluminium PDC Fig. A | 6 | **775.00** |
| LABC8888A02 | Double burette clamp, Aluminium PDC Fig. B | 6 | **775.00** |
| LABC8888AE1 | Single burette clamp, Aluminium PDC (Eco.) Fig. C | 6 | **390.00** |
| LABC8888AE2 | Double burette clamp, Aluminium PDC (Eco.) Fig. D | 6 | **520.00** |




## BOSSHEADS

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LABH8888RBL | Regular bosshead Zinc PDC Fig. A | 12 | **195.00** |
| LABH8888OBL | Round bosshead Zinc PDC Fig. B | 12 | **245.00** |
| LABH8888JBL | Jumbo bosshead Aluminum PDC Fig. C | 12 | **520.00** |
| LABH8888SBL | Swivel bosshead Zinc PDC Fig. D | 12 | **345.00** |




## RETORT RING

| Product Code | Description | Size in Inches | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|---|
| LARR8888003 | Retort Ring with bosshead | 3 | 6 | **320.00** |
| LARR8888004 | Retort Ring with bosshead | 4 | 6 | **405.00** |

## RETORT BASE

| Product Code | Description | Size Inches | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|---|
| LARB8888H06 | Retort base, Heavy | 6" x 4" | 6 | **705.00** |
| LARB8888H08 | Retort base, Heavy | 8" x 5" | 6 | **840.00** |
| LARB8888H10 | Retort base, Heavy | 10" x 6" | 6 | **1415.00** |

## ROD FOR RETORT BASE

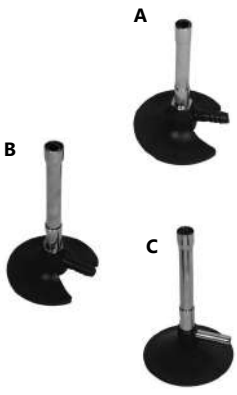
| Product Code | Description | Approx O.D. x Height mm | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|---|
| LARS8888500 | Retort Rod (SS Grade 201) | 12 x 500 | 2 | **495.00** |
| LARS8888600 | Retort Rod (SS Grade 201) | 12 x 600 | 2 | **600.00** |
| LARS8888750 | Retort Rod (SS Grade 201) | 12 x 750 | 2 | **685.00** |

## TEST TUBE STAND

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LATS8888H19 | Z' Shape Test Tube Stand, Aluminum, 19 hole assorted | 6 | **520.00** |
| LATS8888H25 | 'Z' Shape Test tube stand, 25 hole for 16mm tube | 6 | **520.00** |

## TEST TUBE HOLDER

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LATH8888000 | Test tube holder, cross pattern, Stainless steel | 24 | **225.00** |




## BURNERS

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LABR8888Z11 | Bunsen burner, Zinc PDC base with 11 m m brass pipe for L.P.G. Fig. A | 2 | **970.00** |
| LABR8888Z13 | Bunsen burner, Zinc PDC base with 13 mm brass pipe for L.P.G. Fig. B | 2 | **970.00** |
| LABR8888013 | Burner, sheet metal base with 13 mm pipe, for L.P.G. Fig. C | 2 | **775.00** |

## SPATULAS

Chattaway / Micro Chattaway Spatula

Both Side Flat

One end flat and one end Spoon

Oinment Spatula Stainless steel

Oinment Spatula_Wooden

Pointer Spatula

165 mm Scoop

| Product Code | Description | Size in Inches | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|---|
| LACS8888006 | Chattaway Spatula | 6 | 20 | **80.00** |
| LACS8888008 | Chattaway Spatula | 8 | 20 | **90.00** |
| LASL8888C08 | Micro Chattaway Spatula | 8 | 20 | **85.00** |
| LASC8888M06 | Micro Scoop | 6 | 10 | **70.00** |
| LASC8888SM6 | Semi Micro Spatula | 6 | 10 | **105.00** |
| LASL8888075 | Big Spoon Spatula | 7.5 | 10 | **150.00** |
| LASL8888009 | Big Spoon Spatula | 9 | 10 | **165.00** |
| LASP8888B06 | Both side flat | 6 | 20 | **85.00** |
| LASP8888B08 | Both side flat | 8 | 20 | **115.00** |
| LASP8888004 | One end flat and one end Spoon | 4 | 50 | **65.00** |
| LASP8888006 | One end flat and one end Spoon | 6 | 50 | **70.00** |
| LASP8888008 | One end flat and one end Spoon | 8 | 50 | **105.00** |
| LASP8888010 | One end flat and one end Spoon | 10 | 50 | **155.00** |
| LASP8888012 | One end flat and one end Spoon | 12 | 50 | **185.00** |
| LASO8888W04 | Ointment Spatula | 4 | 10 | **195.00** |
| LASO8888W06 | Ointment Spatula Wooden Handle | 6 | 10 | **215.00** |
| LATG8888S06 | Ointment Spatula Forged Stainless Steel | 6 | 10 | **425.00** |
| LASL8888P06 | Pointer Spatula | 6 | 10 | **115.00** |
| LASC8888165 | 165 mm Scoop | 6.5 | 10 | **105.00** |
| LASL8888510 | Big Spoon Spatula | 10 | 10 | **295.00** |

* For products listed on the above table use HSN code 90189022

## FORCEPS POINTED

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LAFP8888004 | Forceps, Pointed dissecting, 4" | 10 | **120.00** |
| LAFP8888005 | Forceps, Pointed dissecting, 5" | 10 | **160.00** |
| LAFP8888006 | Forceps, Pointed dissecting, 6" | 10 | **195.00** |

## FORCEPS PTFE POINTED

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LAFPP8888004 | Forceps, PTFE, Pointed end, 4" | 10 | **1690.00** |
| LAFPP8888006 | Forceps, PTFE, Pointed end, 6" | 10 | **2175.00** |

## FORCEPS BLUNT DISSECTING

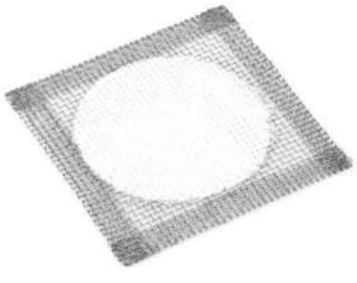
| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LAFB8888005 | Forceps, Blunt dissecting, 5" | 10 | **175.00** |
| LAFB8888006 | Forceps, Blunt dissecting, 6" | 10 | **185.00** |
| LAFB8888008 | Forceps, Blunt dissecting, 8" | 10 | **255.00** |

## FORCEPS PTFE BLUNT

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LAFBP8888004 | Forceps, PTFE, Blunt end, 4" | 10 | **1690.00** |
| LAFBP8888006 | Forceps, PTFE, Blunt end, 6" | 10 | **2175.00** |

## WIRE GAUGE

| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LAWG8888C06 | Wire Gauge with Ceramic center 5" x 5" | 10 | **145.00** |
| LAWG8888C05 | Wire Gauge with Ceramic center 6" x 6" | 10 | **115.00** |



## TRIANGULAR TRIPOD

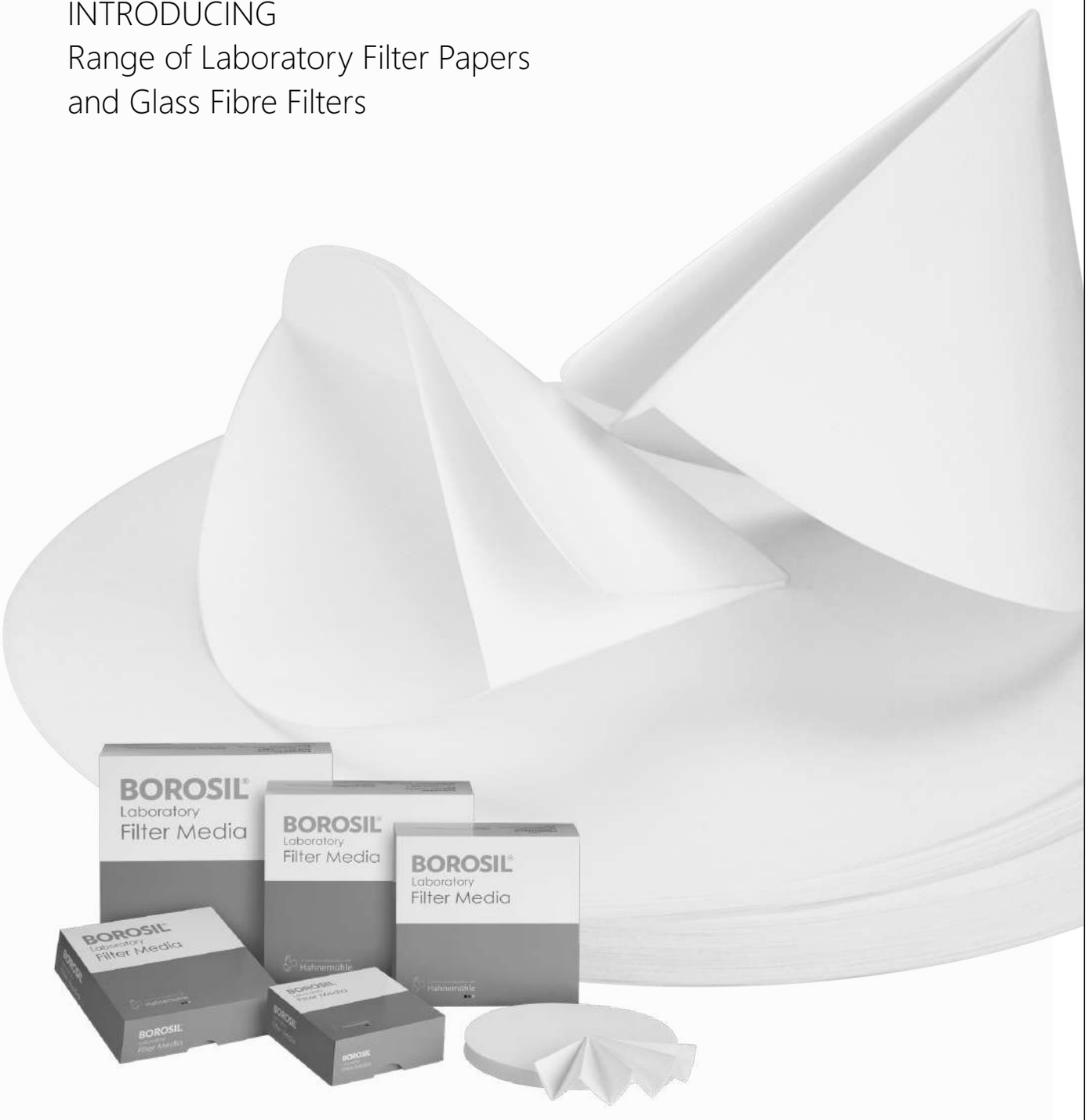
| Product Code | Description | Case Lot No. | Price / Piece ₹ |
|---|---|---|---|
| LATT8888200 | Triangular Tripod, SS, 200 x 125 mm | 2 | **680.00** |

NEW

# BOROSIL®
## Laboratory
## Filter Media

In technical collaboration with Hahnemühle

INTRODUCING
Range of Laboratory Filter Papers
and Glass Fibre Filters




For varied applications in

• **AGRICULTURE** • **ENVIRONMENTAL ANALYSIS** • **CHEMICALS** • **FOOD & BEVERAGES** • **PHARMACEUTICALS**

# QUALITATIVE FILTER PAPERS

High Purity Qualitative filter papers for routine laboratory filtration

### TECHNICAL DATA

| Grade | Sample | Speed | Retention rate [µm] | Filtration Herzberg (s) | Thickness (mm) | Weight [g/m$^2$] |
|---|---|---|---|---|---|---|
| B59501 | Medium fine precipitates | Medium fast, thin | 4 – 7 | 160 | 0.15 | 68 |
| B59702 | Medium-fine, crystalline precipitates | Medium fast | 4 – 7 | 155 | 0.18 | 85 |
| B59303 | Fine precipitates | Medium slow | 2 – 5 | 450 | 0.17 | 84 |
| B60404 | Coarse precipitates | Fast | 12 – 25 | 50 | 0.19 | 79 |

### ORDERING INFORMATION

**Filter Paper Circles**

| Product code | Grade name | Size (dia in mm) | Pack size | List Price |
|---|---|---|---|---|
| FPB595010070 | B59501 | 70 | 100 | **1207.00** |
| FPB595010090 | B59501 | 90 | 100 | **1036.00** |
| FPB595010110 | B59501 | 110 | 100 | **1140.00** |
| FPB595010125 | B59501 | 125 | 100 | **1283.00** |
| FPB595010150 | B59501 | 150 | 100 | **1520.00** |
| FPB595010185 | B59501 | 185 | 100 | **2271.00** |
| FPB595010240 | B59501 | 240 | 100 | **4712.00** |

HSN Code : 48232000

# QUALITATIVE FILTER PAPERS

High Purity Qualitative filter papers for routine laboratory filtration

## ORDERING INFORMATION

### Filter Paper Circles

| Product code | Grade name | Size (dia in mm) | Pack size | List Price |
|---|---|---|---|---|
| FPB597020070 | B59702 | 70 | 100 | **1273.00** |
| FPB597020090 | B59702 | 90 | 100 | **1273.00** |
| FPB597020110 | B59702 | 110 | 100 | **1387.00** |
| FPB597020125 | B59702 | 125 | 100 | **1530.00** |
| FPB597020150 | B59702 | 150 | 100 | **2271.00** |

HSN Code : 48232000

### Filter Paper Circles

| Product code | Grade name | Size (dia in mm) | Pack size | List Price |
|---|---|---|---|---|
| FPB593030070 | B59303 | 70 | 100 | **1910.00** |
| FPB593030090 | B59303 | 90 | 100 | **2081.00** |
| FPB593030110 | B59303 | 110 | 100 | **2005.00** |
| FPB593030125 | B59303 | 125 | 100 | **2812.00** |
| FPB593030150 | B59303 | 150 | 100 | **2936.00** |

HSN Code : 48232000

### Filter Paper Circles

| Product code | Grade name | Size (dia in mm) | Pack size | List Price |
|---|---|---|---|---|
| FPB604040047 | B60404 | 47 | 100 | **1093.00** |
| FPB604040055 | B60404 | 55 | 100 | **1093.00** |
| FPB604040070 | B60404 | 70 | 100 | **1093.00** |
| FPB604040090 | B60404 | 90 | 100 | **1197.00** |
| FPB604040110 | B60404 | 110 | 100 | **1473.00** |
| FPB604040125 | B60404 | 125 | 100 | **1720.00** |
| FPB604040150 | B60404 | 150 | 100 | **2385.00** |
| FPB604040185 | B60404 | 185 | 100 | **3335.00** |
| FPB604040240 | B60404 | 240 | 100 | **5957.00** |
| FPB604040320 | B60404 | 320 | 100 | **9586.00** |

HSN Code : 48232000

### Filter Paper Sheets

| Product code* | Grade name | Size of Sheets (in cm) | Pack size | List Price |
|---|---|---|---|---|
| FPB595014657 | B59501 | 46*57 | 100 | **12493.00** |
| FPB597024657 | B59702 | 46*57 | 100 | **20083.00** |
| FPB593034657 | B59303 | 46*57 | 100 | **36604.00** |
| FPB604044657 | B60404 | 46*57 | 100 | **25090.00** |

HSN Code : 48054000

# QUANTITATIVE FILTER PAPERS

Ashless quantitative filter papers for precise gravimetric tests, quantitative analysis of elements and sample preparation for instrumental analysis.

## TECHNICAL DATA

| Grade | Sample | Speed | Retention rate [µm] | Filtration Herzberg (s) | Thickness (mm) | Weight [g/m$^2$] | Avg ash content |
|---|---|---|---|---|---|---|---|
| B58940 | Fine crystalline precipitates | Medium | 2-4 | 450 | 0.17 | 84 | 0.004% |
| B58941 | Coarse and gelatinous precipitates | Fast | 12-25 | 50 | 0.19 | 79 | 0.004% |
| B58942 | Very fine crystalline precipitates | Slow | <2 | 750** | 0.16 | 84 | 0.004% |
| B58943 | Coarse precipitates | Medium fast | 4-12 | 140 | 0.18 | 85 | 0.004% |
| B58944 | Fine crystalline precipitates | Slow thin | 2 | 900 | 0.15 | 74 | 0.004% |

* Approximate values, ** Measured with 100mm water column instead of 50 mm

## ORDERING INFORMATION

### Filter Paper Circles

| Product code | Grade name | Size (dia in cm) | Pack size | List Price |
|---|---|---|---|---|
| FPB589400070 | B58940 | 70 | 100 | **2081.00** |
| FPB589400090 | B58940 | 90 | 100 | **2632.00** |
| FPB589400110 | B58940 | 110 | 100 | **3164.00** |
| FPB589400125 | B58940 | 125 | 100 | **3943.00** |
| FPB589400150 | B58940 | 150 | 100 | **5197.00** |
| FPB589400185 | B58940 | 185 | 100 | **8370.00** |
| FPB589400240 | B58940 | 240 | 100 | **16882.00** |

HSN Code: 48232000

# QUANTITATIVE FILTER PAPERS

Ashless quantitative filter papers for precise gravimetric tests, quantitative analysis of elements and sample preparation for instrumental analysis.

## ORDERING INFORMATION

**Filter Paper Circles**

| Product code | Grade name | Size (dia in cm) | Pack size | List Price |
|---|---|---|---|---|
| FPB589410070 | B58941 | 70 | 100 | **2166.00** |
| FPB589410090 | B58941 | 90 | 100 | **2746.00** |
| FPB589410110 | B58941 | 110 | 100 | **3677.00** |
| FPB589410125 | B58941 | 125 | 100 | **4161.00** |
| FPB589410150 | B58941 | 150 | 100 | **8123.00** |
| FPB589410185 | B58941 | 185 | 100 | **16065.00** |

HSN Code: 48232000

**Filter Paper Circles**

| Product code | Grade name | Size (dia in cm) | Pack size | List Price |
|---|---|---|---|---|
| FPB589420055 | B58942 | 55 | 100 | **1777.00** |
| FPB589420070 | B58942 | 70 | 100 | **2166.00** |
| FPB589420090 | B58942 | 90 | 100 | **2632.00** |
| FPB589420110 | B58942 | 110 | 100 | **3306.00** |
| FPB589420125 | B58942 | 125 | 100 | **3943.00** |

HSN Code: 48232000

**Filter Paper Circles**

| Product code | Grade name | Size (dia in cm) | Pack size | List Price |
|---|---|---|---|---|
| FPB589430012 | B58943 | 12.7 | 1000 | **3010.00** |
| FPB589430125 | B58943 | 125 | 100 | **3914.00** |

HSN Code: 48232000

**Filter Paper Circles**

| Product code | Grade name | Size (dia in cm) | Pack size | List Price |
|---|---|---|---|---|
| FPB589440090 | B58944 | 90 | 100 | **2955.00** |
| FPB589440110 | B58944 | 110 | 100 | **3572.00** |
| FPB589440125 | B58944 | 125 | 100 | **4038.00** |
| FPB589440150 | B58944 | 150 | 100 | **6878.00** |
| FPB589440185 | B58944 | 185 | 100 | **9633.00** |

HSN Code: 48232000

**Filter Paper Sheets**

| Product code | Grade name | Size of Sheets (in cm) | Pack size | List Price |
|---|---|---|---|---|
| FPB589404657 | B58940 | 46*57 | 100 | **53514.00** |
| FPB589414657 | B58941 | 46*57 | 100 | **50531.00** |

HSN Code: 48054000

# HARDENED ASHLESS FILTER PAPERS

Hardened ashless quantitative filter papers for quantitative and gravimetric analysis requiring high pressure or aggressive chemicals

### TECHNICAL DATA

| Grade | Sample | Speed | Retention rate [µm] | Filtration Herzberg (s) | Thickness (mm) | Weight [g/m$^2$] | Avg ash content |
|---|---|---|---|---|---|---|---|
| B15540 | Fine crystalline precipitates | Medium | 4-12 | 170 | 0.16 | 90 | 0.003% |
| B15542 | Very fine crystalline precipitates | Slow | ≤2 | 600** | 0.14 | 90 | 0.003% |

* Approximate values, ** Measured with 100mm water column instead of 50 mm

### ORDERING INFORMATION

**Filter Circles**

| Product code | Grade name | Size (dia in mm) | Pack size | List Price |
|---|---|---|---|---|
| FPB155400125 | B15540 | 125 | 100 | **5159.00** |
| FPB155400150 | B15540 | 150 | 100 | **7534.00** |

HSN Code : 48232000

**Filter Circles**

| Product code | Grade name | Size (dia in mm) | Pack size | List Price |
|---|---|---|---|---|
| FPB155420125 | B15542 | 125 | 100 | **5491.00** |
| FPB155420150 | B15542 | 150 | 100 | **8123.00** |

HSN Code : 48232000

# GLASS FIBRE FILTERS

Made of 100% micro-borosilicate glass fibres, these filters are recommended for air and water pollution analysis.

### TECHNICAL DATA

| Type | Air permeability* (Resistance ** mbar) [L/m2 s] | Retention rate % NaCl-particle size <1 µm *** | Filtration Gurley [s] | Weight [g/m$^2$] | Thickness [mm] | Max T [°C] | Retention range [µm] |
|---|---|---|---|---|---|---|---|
| BGF50A | 25 | 99.97 | 19 | 56 | 0.29 | 500 | 1-3 |

* as per DIN 53887 ** Air resistance at 400cm$^3$/s, A = 10cm$^2$ *** Tested with NaCl particles size <1 µm, main fraction at 0.3 to 0.5 µm

### ORDERING INFORMATION

| Product code | Grade name | Size | Pack size | List Price |
|---|---|---|---|---|
| FPBGF50A0047 | BGF50A | 47mm diameter | 100 | **3800.00** |
| FPBGF50A203254 | BGF50A | 203*254mm sheet (8*10 inches) | 100 | **25707.00** |

HSN Code: 70193200

# MAGNUS KJELDAHL BLOCK DIGESTERS

Kjeldahl Digestion Systems for highly reproducible results for nitrogen estimation by Kjeldahl method

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | KBD083 | KBD123 | KBD203 |
|---|---|---|---|
| Type | Block Digester | Block Digester | Block Digester |
| No. of positions | 8 | 12 | 20 |
| Tube capacity (ml) | 250 / 400 | | |
| Temperature Range | Ambient to 470°C | | |
| Timer Range | 1-300 mins | | |
| Temperature Precision | ±1°C | | |
| Ramp and Hold | upto 4 | | |
| Presets | upto 50 | | |
| Auto scrubber ON/OFF | Yes | | |
| PID control | Yes | | |
| Autolift | Yes | | |
| Auto OFF after achieving set time | Yes | | |
| Temperature Calibration | Yes, single and two point | | |
| PC & Printer Connectivity | Yes | | |
| Display | Graphical LCD | | |
| Body | Stainless steel with GRP control pannel | | |
| Current Consumption | 6A | 8A | 12A |
| Dimensions (W x D x H) | (416 X 554 X 595) mm | | (410 x 585 x 735) mm |
| Power Consumption | 1400W | 1600W | 2800W |
| Ordering Code | BLFAKBD08300000000 | BLFAKBD12300000000 | BLFAKBD20300000000 |
| Prices / Piece | On request | | |

HSN Code: 84790000

## OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| VITON Rubber tube - 10MMIDx14MMOD - 1Mtr | BLA0VRT10D0014DBLK | **1800.00** |
| TEFLON Fume Cap ACCS ( Case Lot -01 No) | BLAAFUT100PTFE1651 | **1000.00** |
| KBD083 Test tube holder ACCS | BLAAKBD08320000000 | **10000.00** |
| KBD123 Test tube holder ACCS | BLAAKBD12320000000 | **12000.00** |
| KBD203 Test tube holder ACCS | BLAAKBD20320000000 | **14400.00** |
| KBD083 Fume Extractor ACCS | BLAAKBD08330000000 | **18400.00** |
| KBD123 Fume Extractor ACCS | BLAAKBD12330000000 | **24400.00** |
| KBD 203 Fume Extractor ACCS | BLAAKBD20330000000 | **26800.00** |
| KBD080 Fume Extractor Glass ACCS | BLA0FUTKBD080D2510 | **6800.00** |
| KBD200 Fume Extractor Glass ACCS | BLA0FUTKBD200D2510 | **8000.00** |
| KBD082 Cooling Tray ASM ACCS | BLAAKBD08250000000 | **3800.00** |
| KBD123 Cooling Tray ASM ACCS | BLAAKBD12350000000 | **4800.00** |
| KBD203 Cooling Tray ASM ACCS | BLAAKBD20350000000 | **6000.00** |
| 250 ml Borosilicate Test Tube ASM (Case lot-5) | BLMATTB01041250000 | **10800.00** |
| Quartz Test Tube 250ml ASM (Case lot-2) | BLGATTQ01041250000 | **10400.00** |
| 400 ml Borosilicate Test Tube ASM (Case lot-5) | BLAATTB01050400001 | **13000.00** |
| 8 Position Thawing Station 2X4 | BLFATHW08100000000 | **10680.00** |
| 12 Position Thawing Station 6X2 | BLFATHW12100000000 | **11215.00** |
| 20 Position Thawing Station 5X4 | BLFATHW20000000000 | **19500.00** |

# ORACLE KJELDAHL BLOCK DIGESTERS

Kjeldahl Digestion Systems for highly reproducible results for nitrogen estimation by Kjeldahl method

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | KBD062 | KBD082 | KBD122 |
|---|---|---|---|
| Type | Block | | |
| No. of positions | 6 | 8 | 12 |
| Tube capacity (ml) | 250 | 250 | 250 |
| Temperature Range | Ambient to 470°C | | |
| Timer Range | 1-300 mins | | |
| Temperature Precision | ±1°C | | |
| Ramp and Hold | upto 4 | | |
| Presets | upto 50 | | |
| Auto scrubber ON/OFF | Yes | | |
| PID control | Yes | | |
| Auto OFF after achieving set time | Yes | | |
| Temperature Calibration | Yes, single and two point | | |
| PC & Printer Connectivity | Yes | | |
| Display | Graphical LCD | | |
| Body | Stainless steel with GRP control pannel | | |
| Current Consumption | 6A | 6A | 8A |
| Dimensions (W x D x H) mm | (414 X 450 X 665) | (416 X 554 X 595) | |
| Power Consumption | 1300W | 1400W | 1600W |
| Ordering Code | BLFAKBD06200000000 | BLFAKBD08200000000 | BLFAKBD12200000000 |
| Prices / Piece | On request | | |

HSN Code: 84790000

## OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| VITON Rubber Tube-10MMIDx14MMOD - 1Mtr | BLA0VRT10D0014DBLK | **1800.00** |
| TEFLON Fume Cap ACCS (Case Lot -01 No) | BLAAFUT100PTFE1651 | **1000.00** |
| KBD062 Test Tube Holder ACCS | BLAAKBD06220000000 | **8800.00** |
| KBD082 Test Tube Holder ACCS | BLAAKBD08220000000 | **9200.00** |
| KBD122 Test Tube Holder ACCS | BLAAKBD12220000000 | **10800.00** |
| KBD062 Fume Extractor ACCS | BLAAKBD06230000000 | **16000.00** |
| KBD082 Fume Extractor ACCS | BLAAKBD08230000000 | **18400.00** |
| KBD122 Fume Extractor ACCS | BLAAKBD12230000000 | **22000.00** |
| KBD060 Fume Extractor Glass ACCS | BLA0FUTKBD060D2510 | **6000.00** |
| KBD080 Fume Extractor Glass ACCS | BLA0FUTKBD080D2510 | **6800.00** |
| KBD062 Cooling Tray ASM ACCS | BLAAKBD06170000000 | **3600.00** |
| KBD082 Cooling Tray ASM ACCS | BLAAKBD08250000000 | **3800.00** |
| KBD123 Cooling Tray ASM ACCS | BLAAKBD12350000000 | **4800.00** |
| 250 ml Borosilicate Test Tube ASM (Case lot-5) | BLMATTB01041250000 | **10800.00** |
| Quartz Test Tube 250ml ASM (Case lot-2) | BLGATTQ01041250000 | **10400.00** |
| 400 ml Borosilicate Test Tube ASM (Case lot-5) | BLAATTB01050400001 | **13000.00** |
| 6 Position Thawing Station 2X3 | BLFATHW06100000000 | **11050.00** |
| 8 Position Thawing Station 2X4 | BLFATHW08100000000 | **10680.00** |
| 12 Position Thawing Station 6X2 | BLFATHW12100000000 | **11215.00** |

# FUME SCRUBBER

Safe, zero exposure & high capacity fume scrubber for Kjeldahl digestion systems

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | KSC010 | KSC020 |
|---|---|---|
| Current Consumption | 1A | 1A |
| Pump delivery Rate | 28 Ltr/Min | 45 Ltr/Min |
| Dimensions (WxDxH) | (445 x 375 x 460) mm | (365 x 375 x 480) mm |
| Ordering Code | BLFAKSC01000000000 | BLFAKSC02000000000 |
| Prices / Piece | On request | |

HSN Code : 84141000

### OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| KSILICON Transt Tube-8MMIDX10MMOD - 1Mtr | BLA0STT8D00012TRNP | **800.00** |
| VITON Rubber Tube - 10MMIDx14MMOD - 1Mtr | BLA0VRT10D0014DBLK | **1800.00** |
| KSC Condenser V2 ASM | BLAAFUTV2KSCCD2932 | **4000.00** |
| KSC Carbon Bottle ASM | BLAACRB02020018000 | **3200.00** |
| 2L Reagent bottle - 1500030 ASM | BLA0BGW10001500030 | **4400.00** |

# CLASSICAL KJELDAHL DISITILLATION UNIT

Safe, simple, efficient distillation systems for labs

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | CKD015 | CKD065 |
|---|---|---|
| No. of positions | 1 | 6 |
| Flask Capacity | 500ml Kjeldahl flask. Also compatibile with 800ml Kjeldahl flask | |
| Element Temperature | 450 °C | |
| Temperature accuracy | ±1.0°C | |
| Temperature regulators | 1 | 6 |
| Display | LED Display with time, safe temperature & process status | |
| Timer | 1-999 Minutes | |
| Power consumption | 150W | 900W |
| Electrical regulation | 0.65A | 3.9A |
| Ordering Code | BLFACKD01500000000 | BLFACKD06500000000 |
| Price/ unit | On request | |

HSN Code : 84198990

### OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| BTL Graham Condensor 200mm Jacket ACCS | BLA0BGW200KJDLGHM0 | **2400.00** |
| Classical Kjeldhal Splash Head - 2429 ACCS | BLA0KSH24291926CKJ | **2200.00** |
| CKD065 without Stand ASM | BLAACKD06500000000 | **51200.00** |
| CKD065 with Stand ASM | BLAACKD06500000001 | **65600.00** |
| CKD015 Stand ASM | BLAHCKD01510000000 | **3400.00** |

# MAGNUS KJELDAHL DISTILLATION UNIT

Smart, efficient distillation systems for labs

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | KDI050 |
|---|---|
| Steam addition | Automatic |
| Distilled water addition | Automatic |
| Alkali addition | Automatic |
| Boric acid addition | Automatic |
| Tube Drain | Automatic |
| Display | 7" colored touch screen |
| Tube Capacity (ml) | 250 / 400ml |
| Steam power (Adjustable) | 10-100% |
| Minimum distillation time (mins) | 5 |
| Reagent level sensor | Yes |
| Anytime alkali addition | Yes |
| Tube error detection | Yes |
| Door close sensor | Yes |
| Process resume from stop | Yes |
| One point alkali and distilled water pump | Yes |
| Two point calibration for acid pump | Yes |
| Real time monitoring of process parameter | Yes |
| SELV protection | Yes |
| Programs | 40 preset, 30 user editable |
| PC Connectivity | Yes |
| Nitrogen recovery | >99.5% |
| Nitrogen reproducibility | ±1 % |
| RSD | <1% |
| LOD | 1-200mg with of ⩾0.1mg of Nitrogen |
| Current Consumption | 10A |
| Power consumption | 1500 W |
| Dimension (L X B X H) mm | (480 X 470 X 820) mm |
| Ordering Code | BLFAKDI05000000000 |
| Prices / Piece | On request |

HSN Code : 84790000

## OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| SILICON Transt Tube - 8MMIDX10MMOD - 1Mtr | BLA0STT8D00012TRNP | **800.00** |
| Clear Braided PVC Hose Pipe ACCS - 1Mtr | BLA0PIPPVC0HOS00CB | **600.00** |
| KDI PTFE Tube - 10mm OD X 08mm ID - 1Mtr | BLA0TUB000PTFE1008 | **2000.00** |
| KDI FLOW SWITCH ASM ACCS | BLAAKDI05010000001 | **4000.00** |
| KDI Drip Tray ASM | BLA0KDI000DRP0TRAY | **3200.00** |
| Oven Mittes - KDI ASM | BLA0OVM000KDI00000 | **1000.00** |
| KDI PP Jerry Can ACCS | BLA0JCNPP00000005L | **360.00** |

# ORACLE KJELDAHL DISTILLATION SYSTEM

Smart, efficient distillation systems for labs

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | KDI040 |
|---|---|
| Steam addition | Automatic |
| Distilled water addition | Automatic |
| Alkali addition | Automatic |
| Boric acid addition | Automatic |
| Input for 20 sample processin | NA |
| Display | LCD |
| Tube Capacity (ml) | 250 / 400ml |
| Steam power (Adjustable) | 25%-100% |
| Minimum distillation Time (mins) | 5 |
| Reagent level sensor | Yes |
| Anytime alkali addition | Yes |
| Tube error detection | Yes |
| Door close sensor | Yes |
| Process resume from stop | Yes |
| One point alkali and distilled water pumps | Yes |
| Two point calibration for acid pump | Yes |
| Real time monitoring of process parameter | Yes |
| SELV protection | Yes |
| User Editable Programs | 50 (10 pre defined editable programs) |
| Nitrogen recovery | >99.5% |
| Nitrogen reproducibility | ±1 % |
| RSD | <1% |
| LOD | 1-200mg with of ⩾0.1mg of Nitrogen |
| Current Consumption | 5.5 A |
| Power consumption | 1000 W |
| Dimension (L X B X H) | (650 x 350 x 725) mm |
| Ordering Code | BLFAKDI04000000000 |
| Prices / Piece | On request |

HSN Code : 84790000

## OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| SILICON Transt Tube - 8MMIDX10MMOD - 1Mtr | BLA0STT8D00012TRNP | **800.00** |
| Clear Braided PVC Hose Pipe ACCS - 1Mtr | BLA0PIPPVC0HOS00CB | **600.00** |
| KDI PTFE Tube - 10mm OD X 08mm ID - 1Mtr | BLA0TUB000PTFE1008 | **2000.00** |
| KDI FLOW SWITCH ASM ACCS | BLAAKDI05010000001 | **4000.00** |
| KDI Drip Tray ASM | BLA0KDI000DRP0TRAY | **3200.00** |
| Oven Mittes - KDI ASM | BLA0OVM000KDI00000 | **1000.00** |
| KDI PP Jerry Can ACCS | BLA0JCNPP00000005L | **360.00** |

# ALCOHOL DISTILLATION UNIT WITH CHILLER

Smart, efficient distillation systems for labs

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | KDI010 |
|---|---|
| Tube capacity (ml) | 250 ml/ 400 ml |
| Steam addition | Automatic |
| Display | 24 X 7 LCD |
| Cooling water flow rate sensor | Yes |
| Drip tray | Yes |
| Visual reagent level warning | Yes |
| Steam power | Adjustable |
| Steam output regulation | 25-100% |
| Maximum distillation time (mins) | 20 mins |
| Tube error detection | Yes |
| Door close sensor | Yes |
| Control button | Rotary push button |
| Dimensions (W X D X H) | (380 X 350 X 725) mm |
| Current consumption (A) | 5.5 A |
| Power consumption (W) | 1000W |
| Voltage | 230- 50/ 60 Hz |
| Ordering code | BLFAKDI01000000000 |
| Price/ Unit | On request |

HSN Code : 84790000

### TECHNICAL DATA & ORDERING INFO

| Model Name | CHL010 |
|---|---|
| Tank capacity | 10 L |
| Tank size (L x W x D) mm | (325x265x200) mm |
| Cooling capacity | 1000 W |
| Pump flow rate | 12.5 LPM |
| Display | LED |
| Temperature stability | ± 1.0 °C |
| Temperature range | -10 °C to ambient -5 °C |
| Ordering Information | BLFRCHL01000000000 |
| Prices/ Piece | On request |

HSN Code : 84198990

# COD DIGESTION UNIT

Open Reflux COD Digesters-Ideal solutions for waste water analysis

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | COD082 | COD152 |
|---|---|---|
| Treflux Type | Open | |
| Positions | 08 Position | 15 Position |
| Capacity | 250 ml X 08 tubes | 250 ml X 12 tubes |
| Heating Block | Aluminium | |
| Temperature Range | Ambient to 180°C | |
| Temperature Accuracy | ±1°C | |
| Display | Front GRP cntrol panel with Graphic LCD | |
| Graphical representation of time and temp | Yes | |
| Two point factory calibration | Yes | |
| PID autotune | Yes | |
| User presets | Yes | |
| Process Timer | 0-999 min | |
| Temperature Control | Yes with Set value and Present value | |
| Time Control | Yes with Set value and Present value | |
| Connectivity to Printer | Yes | |
| Connectivity to USB | Yes | |
| Power consumptions | 1400W | 1800 W |
| Current Consumption | 6 A | 8 A |
| Unit External Dimensions (WxDxH) | (414 x 414 x 283) mm | (414 x 427 x 283) mm |
| Ordering Code | BLFACOD08200000000 | BLFACOD15200000000 |
| Price/ unit | On request | |

HSN Code : 84194090

## OPTIONAL ACCESSORIES

| Description | Product Code | Pack Size |
|---|---|---|
| COD air condensors | BLMACND100CODSAC00 | 5 |
| COD digestion vessels | BLMATUB100CODSGT20 | 5 |

# THERMOREACTOR

Compact and Convenient Closed reflux COD digestion unit

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | COD120 |
|---|---|
| Reflux Type | Sealing |
| Positions | 12 Position |
| Capacity | 16 mm X 100 mm vials |
| Heating Block | Aluminium |
| Temperature Range | Ambient to 180°C |
| Temperature Accuracy | ±1°C |
| Display | LED |
| Process Timer | 0-999 min / Infinite |
| Temperature Control | Yes with Set value and Present value |
| Time Control | Yes with Set value and Present value |
| Transparent Lid | UV protection |
| Power consumptions | 200 W |
| Current Consumption | 1.5 A |
| Unit External Dimensions (WxDxH) | (275 X 185 X 150) mm |
| Ordering Code | BLFHCOD12000000000 |
| Price/ unit | On request |

HSN Code : 84198990

## OPTIONAL ACCESSORIES

| Description | Product Code | Pack size | List Price |
|---|---|---|---|
| Culture Tube round bottom 16D 100 len ACCS | BLAACTB0101600010* | 12 | On request |

* Not supplied with the unit

# FAT DETERMINATION APPARATUS : SOXHLET EXTRACTION

Delivering classical solutions with modernized approach for fat extraction

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | SOX012 | SOX042 | SOX062 |
|---|---|---|---|
| Position | 1 | 4 | 6 |
| Flask Capacity (ml) | 250 | 250 | 250 |
| Extractor capacity | 100 | 100 | 100 |
| Temperature Accuracy | ±1°C | | |
| Temperature Uniformity | ±15°C | | |
| Plate Temperature | Upto to 320°C | | |
| Safe temperature setting | Yes | | |
| Liquid Temperature | 95°C for normal water at 560 m above mean sea level | | |
| Display Timer | 1-999 min | | |
| Dimension (W X D X H) mm | 200 X 300 X 800 | 750 X 300 X 800 | 1050 X 300 X 800 |
| Weight (Kgs) | 7 | 12 | 15 |
| Power (W) | 400 | 1600 | 2400 |
| Ordering code | BLFRSOX01200000000 | BLFRSOX04200000000 | BLFRSOX06200000000 |
| Price/ Unit | On request | On request | On request |

HSN Code : 84194090

| Model Name | SOX015 | SOX045 | SOX065 |
|---|---|---|---|
| Position | 1 | 4 | 6 |
| Flask Capacity (ml) | 500 | 500 | 500 |
| Extractor capacity | 200 | 200 | 200 |
| Temperature Accuracy | ±1°C | | |
| Temperature Uniformity | ±15°C | | |
| Plate Temperature | Upto to 320°C | | |
| Safe temperature setting | Yes | | |
| Liquid Temperature | 95°C for normal water at 560 m above mean sea level | | |
| Display Timer | 1-999 min | | |
| Dimension (W X D X H) mm | 200 X 300 X 800 | 750 X 300 X 800 | 1050 X 300 X 800 |
| Weight (Kgs) | 7 | 12 | 15 |
| Power (W) | 1600 | 1600 | 2400 |
| Ordering code | BLFRSOX01500000000 | BLFRSOX04500000000 | BLFRSOX06500000000 |
| Price/ Unit | On request | On request | On request |

HSN Code : 84194090

# FAT DETERMINATION APPARATUS : SOXHLET EXTRACTION

Delivering classical solutions with modernized approach for fat extraction

## OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| SOX012 with Stand ASM | BLAASOX01210000000 | **12400.00** |
| SOX015 with Stand ASM | BLAASOX01510000000 | **12800.00** |
| SOX042 without Stand ASM | BLAASOX04200000000 | **19200.00** |
| SOX042 with Stand ASM | BLAASOX04200000001 | **30400.00** |
| SOX045 without Stand ASM | BLAASOX04500000000 | **84400.00** |
| SOX045 with Stand ASM | BLAASOX04500000001 | **97200.00** |
| SOX062 without Stand ASM | BLAASOX06200000000 | **112000.00** |
| SOX062 with Stand ASM | BLAASOX06200000001 | **129200.00** |
| SOX065 without Stand ASM | BLAASOX06500000000 | **112000.00** |
| SOX065 with Stand ASM | BLAASOX06500000001 | **130800.00** |
| SOXHLET 100 ML EXTRACTOR ACCS | BLA0SOXEXT10044327 | **4800.00** |
| SOXHLET 200ML EXTRACTOR ACCS | BLA0SOXEXT20048394 | **5400.00** |
| SOXHLET CONDENSER FOR 100ML EXT V2 ACCS | BLA0CON000SOX100V2 | **3600.00** |
| SOXHLET CONDENSER FOR 200ML EXT V2 ACCS | BLG0CON000SOX200V2 | **4800.00** |

# ON DEMAND DISTILLATION UNIT

Single Stage & Two Stage Distillation Units

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | SDU1500 | SDU2500 | SDU4000 | DDU1500 | DDU2500 | DDU4000 |
|---|---|---|---|---|---|---|
| Capacity Distilled Water Output | 1.5 LPH | 2.5LPH | 4LPH | 1.5 LPH | 2.5LPH | 4LPH |
| Minimum cooling water requirement (Ltr/min) | 1 | 1.5 | 2 | 1 | 1.5 | 2 |
| Heater | Quartz | Quartz | Quartz | Quartz | Quartz | Quartz |
| Boiler | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 |
| Condenser | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 | Boro 3.3 |
| Biological Activity | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free |
| Conductivity S/cm* | <3 x 10-6 | <3 x 10-6 | <3 x 10-6 | <1 x 10-6 | <1 x 10-6 | <1 x 10-6 |
| Power consumption (kw) | 1.5kW | 2.2kW | 3.5kW | 3kW | 4.4kW | 7kW |
| Voltage (V) | 230V | 230V | 230V | 230V | 230V | 230V |
| Dimensions (L x B x H) in mm | 640x255x440 | 650x255x440 | 650x255x440 | 650x630x520 | 650x630x520 | 650x630x520 |
| Ordering Information | SDU1500000 | SDU2500000 | SDU4000000 | DDU1500000 | DDU2500000 | DDU4000000 |
| List Price | 41900.00 | 58400.00 | 65000.00 | 66200.00 | 107500.00 | 116900.00 |

HSN Code : 84198990

* Inlet water TDS < 100 ppm

## LIST OF SPARES

| Description | SAP Code | List Price |
|---|---|---|
| Ceramic Heater_Quartz tube-1.5 L Accs | BLA0CRH12KW15LHQRT | **11470.00** |
| Ceramic Heater_Quartz tube-2.5 L Accs | BLA0CRH02KW25LHQRT | **12580.00** |
| Ceramic Heater_Quartz tube-4 L Accs | BLA0CRH03KW04LHQRT | **17020.00** |
| WDU 1.5 Ltr Boiler ACCS | BLAPSDU1500BOIL000 | **11470.00** |
| WDU 2.5 ltr Boiler ACCS | BLAPSDU2500BOIL000 | **14060.00** |
| WDU 4.0 LTR Boiler ACCS | BLAPSDU4000BOIL000 | **17760.00** |
| 1.5 Ltr Condenser ACCS | BLAPSDU1500CON0000 | **8140.00** |
| 2.5 Ltr Condenser ACCS | BLAPSDU2500CON0000 | **12580.00** |
| 4.0 Ltr Condenser ACCS | BLAPSDU4000CON0000 | **15170.00** |
| SDU PCB ASM ACCS | BLA0PCB00000SDU150 | **6250.00** |
| DDU PCB ASM ACCS | BLA0PCB0000DDU0ASM | **6550.00** |

# MONO QUARTZ DISTILLATION UNITS

Manufactured from quartz, providing quick & continuous purified water with smaller foot print in laboratories

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | 3363042 | 3363043 | 3363038 | 3364042 | 3364033 |
|---|---|---|---|---|---|
| Capacity Distilled Water Output | 2.5 LPH | 5 LPH | 10LPH | 2.5LPH | 5LPH |
| Minimum cooling water requirement (Ltr/min) | 1 | 2 | 2.5 | 1 | 2 |
| Heater | Quartz | Quartz | Quartz | Quartz | Quartz |
| Boiler | Quartz | Quartz | Quartz | Quartz | Quartz |
| Condenser | Boro 3.3 | Boro 3.3 | Boro 3.3 | Quartz | Quartz |
| Biological Activity | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free | Pyrogen Free |
| Conductivity S/cm* | <3 x 10-6 | <3 x 10-6 | <3 x 10-6 | <3 x 10-6 | <3 x 10-6 |
| Power consumption (kw) | 2.2 kW | 4.4kW | 8.8 kW | 2.2 kW | 4.4 kW |
| Voltage (V) | 230V | 230V | **440V - 3Phase** | 230V | 230V |
| Ordering Information | 3363042 | 3363033 | 3363038 | 3364042 | 3364033 |
| **List Price** | 40600.00 | 75600.00 | 172700.00 | 68900.00 | 132100.00 |
| Accessory - DAPS Code | 3366342 | 3366333 | 3366338 | 3366442 | 3366433 |
| **DAPS List Price** | 13900.00 | 15500.00 | 28700.00 | 13900.00 | 15400.00 |

HSN Code : 84194090

* Inlet water TDS < 100 ppm

### LIST OF SPARES

| Description | SAP Code | List Price |
|---|---|---|
| Quartz Boiler 2.5LPH | 363012 | **28300.00** |
| Quartz Boiler 5LPH | 363032 | **55800.00** |
| Quartz Boiler 10LPH | 363S02 | **97800.00** |
| Borosilicate Condenser 2.5LPH | 362022 | **5400.00** |
| Borosilicate Condenser 5LPH | 0363S00 | **18400.00** |
| Borosilicate Condenser 10LPH | 0363S03 | **37300.00** |
| Quartz Condenser 2.5LPH | 364023 | **28100.00** |
| Quartz Condenser 5LPH | 364S01 | **64700.00** |

# WATER SOFTENER

Used in sodium form to remove hardness due to Ca & Mg ions & effective for water where hardness is 200-300 ppm max.

### TECHNICAL DATA & ORDERING INFORMATION

| Description | Product Code | List Price |
|---|---|---|
| Water Softener | BT603367000 | 23600.00 |

HSN Code : 84798999

# ALL QUARTZ DOUBLE DISTILLATION UNIT

All quartz innovative & compact design offers consistent purified water in two distillation stages

### TECHNICAL DATA & ORDERING INFORMATION

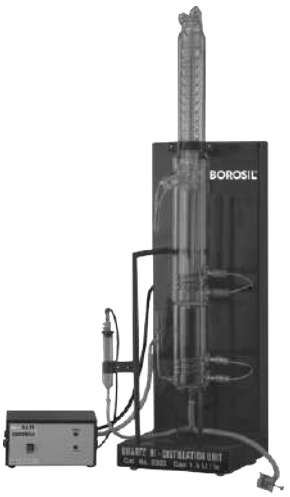
| Model name | 3365041 | 3365042 | 3365033 |
|---|---|---|---|
| Capacity Distilled Water Output | 1.5 LPH | 2.5 LPH | 5 LPH |
| Minimum cooling water requirement (Ltr/min) | 1 | 2 | 2.5 |
| Heater | Quartz | Quartz | Quartz |
| Boiler | Quartz | Quartz | Quartz |
| Condenser | Quartz | Quartz | Quartz |
| Biological Activity | Pyrogen Free | Pyrogen Free | Pyrogen Free |
| Conductivity S/cm* | <1 x 10-6 | <1 x 10-6 | <1 x 10-6 |
| Power consumption (kw) | 3 kW | 4.4kW | 8.8 kW |
| Voltage (V) | 230V | 230V | **440V - 3Phase** |
| Ordering Information | 3365041 | 3365042 | 3365033 |
| **List Price** | 102700.00 | 206600.00 | 377000.00 |
| Accessory - DAPS | 3366541 | 3366542 | 3366533 |
| **DAPS List Price** | 14700.00 | 15400.00 | 29100.00 |

HSN Code : 84194090

* Inlet water TDS < 100 ppm

### LIST OF SPARES

| Description | SAP Code | List Price |
|---|---|---|
| Quartz Boiler 1.5LPH | 362013 | **29200.00** |
| Quartz Boiler 2.5LPH | 362014 | **36500.00** |
| Quartz Boiler 5LPH | 0362S04 | **57400.00** |
| Quartz Secondary Boiler - Condenser 1.5LPH | 362015 | **91400.00** |
| Quartz Secondary Boiler - Condenser 2.5LPH | 362016 | **127200.00** |
| Quartz Secondary Boiler - Condenser 5LPH | 0363S05 | **245800.00** |
| Receiving Adapter with Spring | 362063 | **2000.00** |
| Silicon "O" Ring | 362052 | **600.00** |




# SILICONE TUBING FOR DISTILLATION UNIT & LABORATORY APPLICATION

Silicone tubing is used for laboratory and industrial applications only. It should not be used for implants, human reproductive system and other medical applications.

### TECHNICAL DATA & ORDERING INFORMATION

| Product Code | Size mm | Quantity per case | HSN Code | List Price |
|---|---|---|---|---|
| 3369001 | 4 mm ID x 7 mm OD | 1 | 40091100 | **1700.00** |
| 3369002 | 6 mm ID x 9 mm OD | 1 | 40091100 | **2200.00** |
| 3369003 | 8 mm ID x 12 mm OD | 1 | 40091100 | **4600.00** |
| 3369004 | 10 mm ID x 14 mm OD | 1 | 40091100 | **5700.00** |

HSN Code : 40091100

# ELEMENTAL WATER BATHS

The Elemental series of general purpose Water Baths is available in variety of sizes to meet all your needs and is ideal for lab applications.

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | WLC005 | WLC012 | WLC020 | WLS005 | WLS012 | WLS020 |
|---|---|---|---|---|---|---|
| Nominal Capacity | 5L | 12L | 20L | 5L | 12L | 20L |
| Working Temperature Range | Ambient + 5 to 99°C | Ambient + 5 to 99°C | Ambient + 5 to 99°C | Ambient + 5 to 99°C | Ambient + 5 to 99°C | Ambient + 5 to 99°C |
| Temperature Accuracy at 37°C | ±0.5°C | ±0.5°C | ±0.5°C | ±0.5°C | ±0.5°C | ±0.5°C |
| Circulation | By Convection Only | | | Quick Convection by Overhead Stirrer Circulation | | |
| Interior Dimension (L x B x H) in mm | 300 x 152 x 150 | 330 x 300 x 150 | 500 x 300 x 150 | 300 x 152 x 150 | 330 x 300 x 150 | 500 x 300 x 150 |
| Exterior Dimension (L x B x H) in mm | 325 x 180 x 300 | 375 x 325 x 300 | 550 x 350 x 300 | 345 x 180 x 415 | 395 x 340 x 415 | 590 x 350 x 415 |
| Power Consumption | 2A, 230V, 400W | 4A, 230V, 900W | 9A, 230V, 1600W | 2A, 230V, 400W | 4A, 230V, 900W | 9A, 230V, 1600W |
| Ordering Code | WLC0050000 | WLC0120000 | WLC0200000 | WLS0050000 | WLS0120000 | WLS0200000 |
| List Price | 35000.00 | 42000.00 | 49000.00 | 36000.00 | 48000.00 | 54000.00 |

HSN Code : 84198990

## OPTIONAL ACCESSORIES

| Description | SAP Code | Suitable for | List Price |
|---|---|---|---|
| **5 L** | | | |
| 3 Hole SS LID Assembly | BLAHWLC005LID00003 | WLC005 | **2500.00** |
| 2 Hole SS LID Assembly | BLAHWLS005LID00002 | WLS005 | **2800.00** |
| 5L Polycarbonate LID Assembly | BLAHWLC005PCLID000 | WLC005 | **3900.00** |
| **12 L** | | | |
| 6 Hole SS LID Assembly | BLAHWLC012LID00006 | WLC012 | **3500.00** |
| 6 Hole SS LID Assembly | BLAHWLS012LID00006 | WLS012 | **3800.00** |
| 12/15 Polycarbonate LID Assembly | BLAHWLC012PCLID000 | WLC012 | **4600.00** |
| **20 L** | | | |
| 8 Hole SS LID Assembly | BLAHWLC020LID00008 | WLC020 | **4800.00** |
| 8 Hole SS LID Assembly | BLAHWLS020LID00008 | WLS020 | **5500.00** |
| 12 Hole SS Lid Assembly | BLAHWBA02000000012 | WLC020 | **8250.00** |
| 20 Ltr Polycarbonate Lid ASM | BLAHWBA020CAPPC000 | WLC020 | **6400.00** |
| Ball Shield Anti-evaporation Spheres (Ø37mmX500 nos) | BLAHWLS020BALLID00 | All Baths | **7500.00** |

# PREMIUM WATER BATHS

Borosil Labquest Premium range of circulating water baths are an ideal choice when temperature uniformity and control are particularly critical along with Data Logging Connectivity.

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | WBP012 | WBP015 (Serological) | WBP020 | WBP024 | HIGH CAPACITY BATHS | |
|---|---|---|---|---|---|---|
| | | | | | WBP035 | WBP060 |
| Nominal Capacity | 12L | 15L | 20L | 24L | 35L | 60L |
| Working Temperature Range | Ambient + 5 to 99°C | Ambient + 5 to 99°C | Ambient + 5 to 99°C | Ambient + 5 to 99°C | Ambient + 5 to 99°C | Ambient + 5 to 99°C |
| Temperature Accuracy at 37°C | ±0.2°C | ±0.2°C | ±0.2°C | ±0.2°C | ±0.2°C | ±0.2°C |
| Circulation | By PTFE Stir Bar | By PTFE Stir Bar | By PTFE Stir Bar | By PTFE Stir Bar | By PTFE Stir Bar | By PTFE Stir Bar |
| Interior SS304 Dimension (L x B x H) | 330x300x150 mm | 330x300x200 mm | 500x300x150 mm | 300x300x200 mm | 650x350x150 mm | 650x350x200 mm |
| Exterior SS304 Dimension (L x B x H) | 375x325x450 mm | 355x325x510 mm | 550x350x450 mm | 550x335x510 mm | 675x375x450 mm | 675x375x475 mm |
| Electrical Requirements | 6A | 6A | 9A | 12A | 15A | 20A |
| Power Consumption | 900W | 900W | 2000W | 2200W | 3000W | 5000W |
| External Temperature Probe | PT1000 | PT1000 | PT1000 | PT1000 | PT1000 | PT1000 |
| USB Interface - Data Logging | USB | USB | USB | USB | USB | USB |
| Lid type | SS Lid with 6 position Concentric Rings | PC Lid | SS Lid with 8 position Concentric Rings | SS Lid with 8 position Concentric Rings | SS Canopy | SS Canopy |
| HSN Code | 84198990 | 84198990 | 84198990 | 84198990 | 84198990 | 84198990 |
| Ordering Information | WBP01200000 | WBP0150000 | WBP0200000 | WBP0240000 | WBP03500000 | WBP0600000 |
| List Price | On Request | On Request | On Request | On Request | On Request | On Request |

HSN Code : 84198990

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## ULTRASONIC CLEANER BATHS

Ultrasonic Cleaner Bath offers gentle effective cleaning action ensuring that no contaminants get carryover from the previous process.

NEW

**TECHNICAL DATA & ORDERING INFORMATION**

| Model Name | UCB025 | UCB050 | UCB100 | UCB200 |
|---|---|---|---|---|
| Capacity | 2.5L | 5L | 10L | 20L |
| Working Temperature Range | Ambient +5 °C to 80 °C | | | |
| Frequency | 40kHz | | | |
| Time Setting | 1- 99 mins | 1- 99 mins | 1- 99 mins | 1- 99 mins |
| Interior Dimension (L, B, H) in mm | 150 x 140 x 100 | 300 x 155 x 100 | 300 x 240 x 150 | 500 x 300 x 150 |
| Interior Dimension (L, B, H) in mm | 190 x 170 x 220 | 312 x 162 x 240 | 330 x 270 x 310 | 550 x 330 x 330 |
| Ultrasonic Power | 50 W | 120W | 240W | 500 W |
| Heater Power | 100W | 100W | 300 W | 500 W |
| Ordering Code | UCB02500000 | UCB05000000 | UCB10000000 | UCB20000000 |
| List Price | 27500.00 | 42500.00 | On request | On request |

HSN Code : 84798999

## WATER BATHS & OIL BATHS

Precision Oil bath build in 100% SS offers controlled heating upto 240 °C

**TECHNICAL DATA & ORDERING INFORMATION**

| Parameters | OMC 250 | OMC 010 | OMS 250 | OMS 010 | OMS 020 |
|---|---|---|---|---|---|
| Working Temperature Range | Ambient +5 °C to 240 °C | | | | |
| Circulation | PTFE Stir Bar | | | | |
| Nominal Capacity | 750ml | 3057ml | 750ml | 3057ml | 7500ml |
| RB Flask | 250ml | 1000ml | 250ml | 1000ml | 2000ml |
| Interior Dimension (Diameter X Height in mm | 120 x 86 | 182 x 142 | 120 x 86 | 182 x 142 | 217 x 209 |
| Exterior Dimensions (L x B x H) in mm | 203 x 169 x 209 | 273 x 240 x 263 | 203 x 169 x 209 | 273 x 240 x 263 | 302 x 280 x 410 |
| Power Consumption | 300W | 800W | 300W | 800W | 1500 W |
| Ordering Code List Price | OMC2500000 | OMC0100000 | OMS2500000 | OMS0100000 | OMS0200000 |
| List Price | 28300.00 | 32900.00 | 31800.00 | 36400.00 | On request |

HSN Code : 84198990

# MAGNETIC STIRRERS

Compact magnetic stirrer with digital display offering accurate speed, timer setting

## TECHNICAL DATA & ORDERING INFORMATION

NEW

| Model Name | MGS001 | MS One | MS Four | MLS010 | MLS050 |
|---|---|---|---|---|---|
| Stirring Position | 1 | 1 | 4 | 1 | 1 |
| Max Capacity | upto 5L | 800ml | 4X400ml | 10L | 50L |
| Max Speed | 2200 RPM | 1500 RPM | 1200 RPM | upto 1000 RPM | upto 1000 RPM |
| Timer | 0-999 min | 1-99min | 1-99min | Continuous | Continuous |
| Pulse Mode | NA | Yes | Yes | NA | NA |
| Display | LED | Digital | Digital | LED | LED |
| Plate Material | SS304 | SS304 | SS304 | SS | SS |
| Type of Motor | AC | Motorless | Motorless | BLDC | BLDC |
| Slip Detection | NA | NA | NA | Yes | Yes |
| Power Consumption | 1Å, 230V, 25W | 1.5Å, 12V, 5W | 2Å, 9V, 13W | 1.5Å, 12V, 30W | 2Å, 12V, 60W |
| Magnetic Bar | 25mm | 25mm | 25mm | 25, 35, 50, 60 | 25, 35, 50, 60 |
| Top Plate Dimensions (L x B) in mm | 189 x 208 | 150 x 100 | 385 x 182 | 250 x 250 | 370 x 370 |
| Product Dimensions (L x B x H) in mm | 284 x 188 x 120 | 156 x 110 x 14 | 457 x 126 x 14 | 310 x 250 x 100 | 430 x 370 x 100 |
| Protection Class | IP21 | IP65 | IP65 | IP42 | IP42 |
| Ordering Code | MGS0010000 | 100MS000115000 | 100MS000412000 | MLS0100000 | MLS0500000 |
| List Price | 9000.00 | 14300.00 | 28600.00 | 33900.00 | On Request |

HSN Code : 90278090

MGS001

MS ONE

MS FOUR

NEW

MLS



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# INDUSTRIAL STIRRERS - MAX STIR

Outstanding stirring for high-volume applications in process equipments with USB Data Logging option

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | MGS020 | MGS050 | MGS200 |
|---|---|---|---|
| Number of stirring positions | 1 | | |
| Stirring quantity | Upto 20 L | Upto 50 L | Upto 200 L |
| Motor Type | BLDC 15 MOTOR | BLDC 30 MOTOR | |
| Stirring bar length | 35 - 80 (in mm) | 80 - 120 (in mm) | 155 (in mm) |
| Material Housing | 304 Stainless steel | | |
| Display | Digital LCD Display | | |
| Speed range | 0 - 1000 rpm | | 0 - 600 rpm |
| Timer | (0 - 99:99 hrs:min) or continuous/infinite operation | | |
| Set-up plate dimensions in mm | 300 x 300 | 400 x 400 | 500 x 500 |
| Dimensions (L x B x H) in mm | 300 x 390 x 110 | 400 x 490 x 110 | 500 x 590 x 110 |
| Weight of the Product | 12 Kgs | 14 Kgs | 25 Kgs |
| Weight / Load (it can Sustain) | 30 Kgs | 70 Kgs | 70Kgs |
| Process Equipments Indirect Load It can stir | Volumes up to 20L | Volumes up to 50L | Volumes up to 200L |
| Ramp rate | Adjustable for different viscosity | | |
| USB Interface (Upgradable) | YES - Option to connect Labquest Data Logger & Printer | | |
| Permissible temperature | Ambient to 40 °C | | |
| Max Current | 0.3 A | 0.5 A | |
| Motor rating output | 30W | 60W | |
| HSN Code | 90278090 | | |
| Ordering Code | BLFHMGS02000000000 | BLFHMGS05000000000 | BLFHMGS20000000000 |
| List Price | On request | | |

HSN Code : 90278090

# MAGNETIC HOT PLATE STIRRERS

Compact magnetic stirrer with digital display offering accurate speed, timer, temperature setting

NEW

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | HLS 200 | MHPS 550P Premier |
|---|---|---|
| Stirring Position | 1 | 1 |
| Max Capacity | 2L | 20L |
| Max Speed for $H_2O$ | 1500 rpm | up to 2200 rpm |
| Timer | 0- 999 min OR Continuous | 0- 999 min OR Continuous |
| Plate Temperature | Ambient +5 °C - 300 °C | Ambient +5 °C - 550 °C |
| Liquid Temperature | External PT100 Probe up to 170 °C | External PT1000 Probe up to 280 °C |
| Safe Temperature Setting | Yes | Yes |
| Hot Indicator when Plate is above 50 °C | Yes | Yes |
| Pulse Mode | NA | Yes |
| Display | LED Digital | Dual Set & Actual Temp, RPM & Time |
| Plate Material | SS | Ceramic |
| Power Consumption | 2Å, 230V, 325W | 5Å, 230V, 1000W |
| Magnetic Bar | 25 mm | 25 mm |
| Top Plate Dimensions (L x B) in mm | 150 x 155 | 180 x 180 |
| Product Dimensions (L x B x H) in mm | 260 x 190 x 155 | 313 x 212 x 110 |
| Safety Warning for Plate Temp above 50 °C | Yes | Yes |
| Protection Class | IP21 | IP21 |
| Supplied with | PT100 Probe only | PT1000 Probe & Stand |
| Ordering Code | BLFHHLS20000000000 | 100MHPS010550P |
| List Price | 14000.00 | On request |

HSN Code : 84798200

## OPTIONAL ACCESSORIES

| Description | SAP Code | Suitable for | List Price |
|---|---|---|---|
| PT100 DIN Connector | BLA0DIN00MX0005PIN | HLS200 | **2500.00** |
| PT1000 Probe | 100MHPS01PT100 | 550 Prime | **7500.00** |
| Probe Stand | 100MHPS01PS000 | 550 Prime | **1900.00** |

**HLS 200** **MHPS 550P Premier**



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# MULTIPOSTION MAGNETIC HOT PLATE STIRRERS

Compact multiposition magnetic stirrer with digital display offering accurate speed, timer, temperature setting

**TECHNICAL DATA & ORDERING INFORMATION**

| Model Name | MHPS 5P | MHPS 10P | MHPS 15P |
|---|---|---|---|
| Stirring Position | 5 | 10 | 15 |
| Max. Temp range (from ambient) | 120°C | 120°C | 120°C |
| Max Capacity | 5 x 250ml | 10 x 250 ml | 15 x 250 ml |
| Max Speed | 1500 rpm | 1500 rpm | 1500 rpm |
| Timer | 1-999 min | 1-999 min | 1-999 min |
| Motor Type | BLDC | BLDC | BLDC |
| Pulse Mode | Yes | Yes | Yes |
| Display | Digital | Digital | Digital |
| Plate Material | Stainless steel plate with silicone sheet | | |
| Power Consumption | 450W | 450W | 800W |
| Magnetic Bar | 25 mm | 25 mm | 25 mm |
| Top Plate Dimensions (L x B) in mm | 565 x 136 | 565 x 196 | 565 x 282 |
| Product Dimensions (L x B x H) in mm | 565 x 136 x 75 | 565 x 196 x 75 | 565 x 282 x 75 |
| Protection Class | IP42 | IP42 | IP42 |
| Ordering Code | 100MHPS0515000 | 100MHPS1015000 | 100MHPS1515000 |
| List Price | On request | | |

HSN Code : 84798200

# HOT PLATES

Precise digital temperature control and timer function

**TECHNICAL DATA & ORDERING INFORMATION**

| Model Name | HPL020 | HPL030 | HPL400 |
|---|---|---|---|
| Max Capacity - Beaker | 500ml Beaker X 12 pc | 500ml Beaker X 18 pc | 2L Beaker |
| Max Plate Temerature | up to to 300°C | | |
| Timer | Digital Timer | | |
| Display | LED Display | | |
| Plate Material | Aluminium | Aluminum | SS 304 Top Plate |
| Power Consumption | 2000W | 3000W | 400W |
| Top Plate Dimensions (L x B) in mm | 300 x 450 | 450 x 600 | 155 x 150 |
| Product Dimensions in mm (L x B x H) in mm | 300 x 450 x 200 | 450 x 600 x 200 | 260 x 190 x 155 |
| Ordering Code | BLFHHPL02000000000 | BLFHHPL03000000000 | BLFHHPL40000000000 |
| List Price | On Request | | 12000.00 |

HSN Code : 84798200

# LAB STIRRER ACCESSORIES

Aluminium Blocks & Stir Bars are basic accessaries that promote safe & better heat transfer while using RB Flask or Reaction Tubes on a Hot Plate

## TECHNICAL DATA & ORDERING INFORMATION

| Description | Product code | Pack Size | List Price |
|---|---|---|---|
| Accessory Stir Bar D: 8mm X 25mm | 100MSA0BL08025 | 10 | **3900.00** |
| Accessory Stir Bar D: 8mm X 35mm | 100MSA0BL08035 | 10 | **4100.00** |
| Accessory Stir Bar D: 12mm X 50mm | 100MSA0BL12050 | 10 | **12200.00** |
| Accessory Stir Bar D: 13mm X 60mm | 100MSA0BL13060 | 1 | **1800.00** |
| Aluminium Blocks Organiser Carry Plate | BLAHHPS0000ABCB000 | 1 | **4750.00** |
| Alumium Quarter Block 4 X 20 ml | BLAHHPS0420AQB0000 | 1 | **3800.00** |
| Alumium Quarter Block 4 X 30 ml | BLAHHPS0430AQB0000 | 1 | **3800.00** |
| Alumium Quarter Block 7 X 16 ml | BLAHHPS0716AQB0000 | 1 | **4200.00** |
| Alumium Quarter Block 10 x 8 ml | BLAHHPS1008AQB0000 | 1 | **4600.00** |
| Alumium Quarter Block 12 x 4 ml | BLAHHPS1204AQB0000 | 1 | **4600.00** |
| Aluminium Reaction Block RB 50 ml | BLAHHPSRB50ARB0000 | 1 | **7000.00** |
| Aluminium Reaction Block RB 100 ml | BLAHHPSRB100ARB000 | 1 | **7000.00** |
| Aluminium Reaction Block RB 250 ml | BLAHHPSRB250ARB000 | 1 | **7000.00** |
| Aluminium Reaction Block RB 500 ml | BLAHHPSRB500ARB000 | 1 | **7000.00** |
| PT1000 Probe | 100MHPS01PT100 | 1 | **7500.00** |
| Probe Stand | 100MHPS01PS000 | 1 | **1900.00** |

# TEMPERATURE CONTROLLED HEATING MANTLES

The intelligently designed safe heating mantles provide safe cut off with precise heating along with time & temperature display like never before

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | GMC250 | GMC 500 | GMC 010 | HMC020 | HMC050 | HMC011 |
|---|---|---|---|---|---|---|
| Flask Capacity | 250 ml | 500 ml | 1000 ml | 2 L | 5 L | 10 L |
| Working Temperature Range | Ambient +5 °C to 350 °C | | | | | |
| Temperature Accuracy | 1°C | | | | | |
| Timer | upto 999 mins or continuous | | | | | |
| Power Requirements | 1Å, 150W | 1Å, 200W | 1.5Å, 300W | 2.5Å, 450W | 3Å, 600W | 6Å, 1200W |
| Display | LED Display with Temperature, Time and Process Status | | | | | |
| Top Plate Material | MS | MS | MS | SS | SS | SS |
| Body Construction | MS | MS | MS | MS | MS | MS |
| Product Dimensions (L x B x H) in mm | 310x330x160 | 310x330x160 | 310x330x160 | 263x355x136 | 320x320x260 | 450x603x215 |
| Stage wise Heating Modes | Yes | Yes | Yes | Yes | Yes | Yes |
| External Temperature Probe | PT 100 | | | | | |
| Ordering Code | GMC2500000 | GMC5000000 | GMC0100000 | HMC0200000 | HMC0500000 | HMC0110000 |
| List Price | 7500.00 | 8000.00 | 8500.00 | 29900.00 | 41700.00 | On Request |

HSN Code : 84198990

# TEMPERATURE CONTROLLED HEATING & STIRRING MANTLES

The intelligently designed safe heating mantles provide safety cutoff with precise heating & stirring features

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | PRM250 | PRM500 | PRM010 | PRM020 |
|---|---|---|---|---|
| Flask Capacity | 250 ml | 500 ml | 1000 ml | 2 L |
| Working Temperature Range | Ambient +5 °C to 350 °C | | | |
| Temperature Accuracy | 1 °C | | | |
| Timer | upto 999 mins or continuous | | | |
| Stirring Speed | 300 - 2200 rpm | | | |
| Power Requirements | 1Å, 150W | 1Å, 200W | 1Å, 200W | 2.5Å, 450W |
| Display | LED Display with Temperature, Time and Process Status | | | |
| Top Plate Material | SS | SS | SS | SS |
| Body Construction | SS | SS | SS | SS |
| Product Dimension (L x B x H) in mm | 310 x 330 x 160 | 310 x 330 x 160 | 310 x 330 x 160 | 263 x 355 x 136 |
| Stage wise Heating Modes | Yes | Yes | Yes | Yes |
| External Temperature Probe | PT 100 | | | |
| Ordering Code | PRM2500000 | PRM5000000 | PRM0100000 | PRM0200000 |
| List Price | 24800.00 | 25900.00 | 28400.00 | 29000.00 |

HSN Code : 84198990

# MULTIPOSITION MANTLES

Ideal for busy laboratories with multiple users or experiments needing different set temperatures at the same time

**TECHNICAL DATA & ORDERING INFORMATION**

| Product Code | BLFHMPM06200000000 | BLFHMPM06500000000 |
|---|---|---|
| Heating Position | 6 | 6 |
| Max Flask Capacity | 250 ml | 500 ml |
| Temperature Range | Ambient +5°C to 350°C | Ambient +5°C to 350°C |
| Temperature Control | PID with digital energy regulator | PID with digital energy regulator |
| Temperature feedback | Yes | Yes |
| Temperature Accuracy | 1 °C | 1 °C |
| Display Timer | 0-999 min and Infinite | 0-999 min and Infinite |
| Material of construction | M.S Powder coated body with SS304 Top Plate | M.S Powder coated body with SS304 Top Plate |
| Unit Dimensions (L x B x H) in mm | 1000 x 330 x 135 | 1000 x 330 x 135 |
| List Price | On Request | On Request |

HSN Code : 84198990

# HEATING MANTLES WITH DIGITAL ENERGY REGULATOR

General purpose heating mantles with digital energy regulator

**TECHNICAL DATA & ORDERING INFORMATION**

| Model Name | GME250 | GME500 | GME010 |
|---|---|---|---|
| Flask Capacity | 250 ml | 500 ml | 1 L |
| Flask Diameter | 85 mm | 105 mm | 135 mm |
| Exterior dimensions (L x B x H) in mm | 310 x 330 x 160 | | |
| Working Temperature range | Ambient +5°C to 350°C | | |
| Display | LED Display with time, temperature & process status | | |
| Electrical Requirements | 1 Å | 1 Å | 1 Å |
| Power Consumption | 150 W | 200 W | 300 W |
| Ordering information | GME2500000 | GME5000000 | GME0100000 |
| List Price | 3700.00 | 3800.00 | 4000.00 |

HSN Code : 84198990



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# GLASSCARE EQUIPMENT - GLASS DRYER

Labquest dryer offers basic solutions of quick drying laboratory glasswares at 60 °C

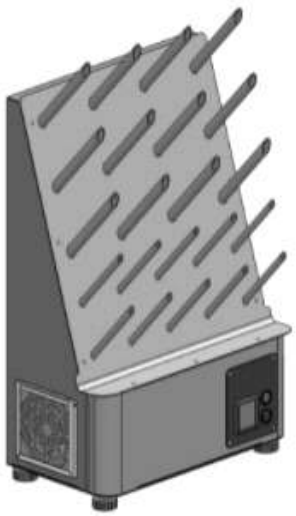
## TECHNICAL DATA & ORDERING INFORMATION

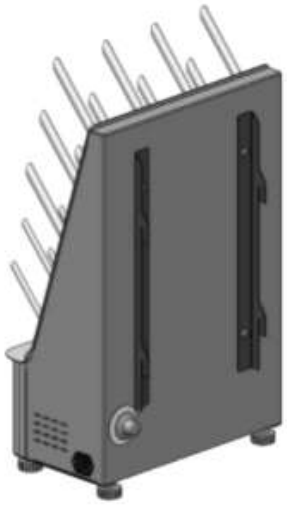
| Model Name | GDS010 |
|---|---|
| Number of Pegs | 22 |
| **Peg Sizes** | |
| 16 mm | 12 Nos |
| 10 mm | 10 Nos |
| Temperature Range | Ambient to 70°C |
| Time Control | Yes |
| Drying Power | 1075 W |
| Dimension (L x B x H) in mm | 400 x 367 x 620 |
| Ordering information | BLFGGDS01000000000 |
| List Price | 21000.00 |

HSN Code : 84798200

## OPTIONAL ACCESSORIES

| Description | Product Code | HSN Code | Nos Pcs | List Price |
|---|---|---|---|---|
| Pegs For Volumetric Adapter -10ID | BLPGGDS01000000010 | 39260000 | 10 | **4050.00** |
| Pegs For Volumetric Adapter-16ID | BLPGGDS01000000016 | 39260000 | 12 | **4280.00** |





# MICRO CENTRIFUGE

Smart, Sturdy & Silent intelligently designed micro centrifuge built to make your life easier in lab

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | MCF08VT | MCF12VT | HMCF12VT |
|---|---|---|---|
| Rotor position | 8 x 1.5/2.0 ml Microtubes | 12 x 1.5ml / 2.0ml Microtubes | 12 x 1.5ml / 2.0ml Microtubes |
| Tube capacity in ml | 1.5 / 2.0 / 0.2 / 0.5 | 1.5 / 2.0 / 0.2 / 0.5 / 0.4 | 1.5 / 2.0 |
| Max speed (rpm) | 6000 rpm | 15000 rpm | |
| RCF (g) | 2000g | 15596g | |
| Display | Digital | Large digital display | Digital display |
| Motor Type | -- | Brushless DC motor | |
| Noise level | < 55 db | < 60 db | |
| Imbalance detection | Yes | | |
| Timer | 1-25 Minutes & infinite mode | Countdown timer : 1-99 Mins & infinity mode | 1-99 Mins & infinite mode |
| Dimension (W X D X H) mm | 162 x 157 x 116 | 187 x 265 x 115 | 260 x 244 x 205 |
| Weight | 1.1 Kg (with rotor) | 2.2 Kgs (with rotor) | 4 Kgs (with rotor) |
| Rotors and Adaptors (included in standard pack) | 8 x 1.5/2.0 ml Closed Rotor PCR Strip Rotor (2 x 8 x 0.2 ml) Reduction adaptors for 0.2/0.5 ml Microtubes | 12 x 1.5/2 ml Angel Rotor Reduction adaptors for 0.2 ml microtubes, Reduction adaptors for 0.4/0.5 ml microtubes | 12 x 1.5/2 ml Angel Rotor |
| Product Code | 100MCF00800VT0 | 100MCF01200VT0 | 100HMCF1200VT0 |
| List Price | 13200.00 | On request | On request |

HSN Code : 84211999

**MCF08VT**

**MCF12VT**

**HMCF12VT**

## OPTIONAL ACCESSORIES

| Description | Rotor for Centrifuge Model | Product Code | List Price |
|---|---|---|---|
| 12 x 1.5/2 ml Angal Rotor | MCF12VT, HMCF12VT | 10000MC1202MLF | **9280.00** |
| PCR Strip Rotor (2 x 8 x 0.2 ml) | MCF12VT, HMCF12VT | 10000MC0208MLS | **15180.00** |

# COOLING HIGH SPEED MICRO CENTRIFUGE

Unmatched performance, safety with preset features for quick cooling

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | CLMC24VT |
|---|---|
| Cooling temperature | Up to -20°C |
| Max speed (rpm) | 500 - 15000 rpm |
| Programmable Feature | User can set and save up to 99 user defined programs of 4 lines each |
| Display | Large back lit LCD display |
| Motor Type | Brushless DC motor |
| Lid Lock Safety | Yes |
| Imbalance detection | Yes |
| Timer Setting | 30 secs to 999 mins & infinite mode |
| Dimension (W X D X H) in mm | 314 X 452 X 278 |
| Weight | 43 kgs (with rotor) |
| Product Code | 100CLMC2400VT0 |
| List Price | On request (without rotor) |

HSN Code : 84211999

**24 x 1.5/2 ml (21420 x g)**

**44 x 1.5/2 ml (22388 x g)**

**8 x 5 ml (18461 x g)**

**PCR Strip Rotor (4 Strips) (15397 x g)**

## OPTIONAL ACCESSORIES

| Description | Rotor for Centrifuge Model | Product Code | List Price |
|---|---|---|---|
| Microtubes Rotor (24 x 1.5 / 2 ml) (21420 x g) | CLMC24VT | 100CLMC2402MLF | **25880.00** |
| Microtubes Rotor (44 x 1.5 / 2 ml) (22388 x g) | CLMC24VT | 100CLMC4402MLF | **32480.00** |
| Angal Rotor 8 x 5 ml (18461 x g) | CLMC24VT | 100CLMC0805MLF | **32150.00** |
| PCR Strip Rotor (4 x 8 x 0.2 ml) (15397 x g) | CLMC24VT | 100CLMC4802MLS | **36010.00** |

# CLINICAL CENTRIFUGE

Centrifuge for clinical application are designed to accomadate rotor and blood centrifuge tubes

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | DCF06VT | CCF4000VT | CCD4504VT |
|---|---|---|---|
| Rotor position | 6 x 15 ml (Fixed angle) | 6 x 10 ml (Swing out rotor), 8 x 15 ml (Fixed angle), 16X10 ml (Fixed angle) | Combi Rotor 4 x 50 ml + 4 x 15 ml or 8 X 15 ml |
| Tube capacity in ml | 2 / 5 / 7 / 15 ml | 10 / 15 ml | 2 / 5 / 7 / 15 /50 ml |
| Max speed (rpm) | 6500 rpm | 4000 rpm | 4500 rpm |
| RCF (g) | 3684 g - 6 X 15 ml | 2270g -6 x 10 ml, 1950g -8X15 ml, 2180g-16X10 ml | 1985 x g |
| Motor Type | Brushless DC motor | Brushless DC motor | Brushless DC motor |
| Noise level (db) | < 60 db | < 60 db | < 60 db |
| Lid Lock Safety | Yes | Yes | Yes |
| Imbalance detection | Yes | Yes | Yes |
| Timer setting | 1-30 Minutes & infinite mode | 1-999 Mins & infinity mode | 1-99 Mins & infinite mode |
| Dimension (W X D X H) mm | 244 x 260 x 205 | 355 x 415 x 173 | 265 x 330 x 161 |
| Weight | 4 Kgs (with rotor) | 7.7 Kgs (without rotor) | 4 Kgs |
| Rotors and Adaptors (included in standard pack) | 8 x 1.5/2.0 ml Closed 6 x 15ml rotor (Fixed angle), Adaptors for 2ml, 5ml, 7ml blood collection tubes | 12 x 1.5/2 ml Angel Rotor 6 x 10 ml (Swing out rotor) | 12 x 1.5/2 ml Combi Rotor, Adaptors for 2ml, 5ml, 7ml blood collection tubes |
| Product Code | 100DCF00600VT0 | 100CCF00800VT0 | 100CCD04504VT0 |
| List Price | On Request (with rotor) | On Request (with rotor) | On Request (with rotor) |

HSN Code : 84211999

**DCF06VT**

**CCF4000VT**

NEW

**CCD4504VT**

* Also available in 8x15 ml fixed angle rotor (3873g) Part No 100DCF00800VT0

### OPTIONAL ACCESSORIES

| Description | Rotor for Centrifuge Model | Product Code | List Price |
|---|---|---|---|
| Swing out rotor, 6 X 10 ml (2270 g) | CCF4000VT | 100CCFA0610MLS | **27670.00** |
| Fixed angle rotor, 15 ml x 8 (1950 g ) | CCF4000VT | 100CCFA0815MLF | **15680.00** |
| Fixed angle rotor, 10 ml x 16 (2180 g) | CCF4000VT | 100CCFA1610MLF | **44800.00** |

# UNIVERSAL LAB CENTRIFUGE

Designed to provide ideal results with combination rotor with unapellerd safety features

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | ULC4504VT | ULC4204VT |
|---|---|---|
| Rotor position (max) | 4 x 100 ml | 4 x 250 ml |
| Max speed (rpm) | 4500 rpm | 4200 rpm |
| RCF (g) | g varies as per rotor | |
| Motor Type | Brushless DC motor | |
| Display | Digital | |
| Lid Lock Safety | Yes | |
| Imbalance detection | Yes | |
| Timer Setting | 30 sec-99 mins & infinite mode | |
| Speed Setting | 500 to 4500 rpm | |
| Dimension (W X D X H) mm | 585 x 475 x 325 | 585 x 475 x 325 |
| Weight | 23 Kgs (without rotor) | |
| Rotors (not included) | Multiple rotor options (swing and fixed angle) | |
| Product Code | 100ULC04504VT0 | 100ULC04204VT0 |
| List Price | On request (without rotor) | On request (without rotor) |

HSN Code : 84211999

NEW

### OPTIONAL ACCESSORIES

| Description | Rotor for Centrifuge Model ULC4504VT | | Rotor for Centrifuge Model ULC4204VT | |
|---|---|---|---|---|
| Swing Out Rotor 32 x 6ml | 100UC1A3206MLS | 3164 g | 100UC2A3206MLS | 2766 g |
| Swing Out Rotor 16 x 15ml | 100UC1A1615MLS | 3485 g | 100UC2A1615MLS | 2884 g |
| Swing Out Rotor 12 x 15ml | 100UC1A1215MLS | 3485 g | NA | NA |
| Swing Out Rotor 8 x 15ml | 100UC1A0815MLS | 3340 g | NA | NA |
| Swing Out Rotor 4 x 50ml | 100UC1A0450MLS | 3485 g | 100UC2A0450MLS | 2884 g |
| Swing Out Rotor 4 x 100 ml | NA | NA | 100UC2A0401MLS | 2766 g |
| Swing Out Rotor 4 x 100ml (with lid) | 100UC1A0401LMS | 3164 g | 100UC2A0401LMS | 2884 g |
| Swing Out Rotor 4 x 250 ml | NA | NA | 100UC2A0402MLS | 3181 g |
| Swing Out Rotor 64 x 6 ml | NA | NA | 100UC2A6406MLS | 3181 g |
| Swing Out Rotor 2 Micro plates | 100UC1A0002MPS | 2355 g | 100UC2A0002MPS | 2074 g |
| Fixed Angle Rotor 16 x 15ml | 100UC1A1615MLF | 3144 g | 100UC2A1615MLF | 2410 g |
| Fixed Angle Rotor 12 x 15ml | 100UC1A1215MLF | 3144 g | NA | NA |
| Fixed Angle Rotor 6 x 50ml | 100UC1A0650MLF | 2644 g | 100UC2A0650MLF | 2410 g |
| Fixed Angle Rotor 4 x 50ml | 100UC1A0450MLF | 2644 g | 100UC2A0450MLF | 2331 g |
| Fixed Angle Rotor 4 x 100ml | 100UC1A0401MLF | 2599 g | 100UC2A0401MLF | 2272 g |
| Fixed Angle Rotor 24 x 15ml | 100UC1A2415MLF | 2854 g | 100UC2A2415MLF | 2489 g |

# COOLING UNIVERSAL LAB CENTRIFUGE

Multi-rotor configuration with high speed operation and variable temperature rage for wide range of lab protocol

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | CULC1504VT |
|---|---|
| Rotor position | 4 x 100 ml (fixed & swing out) / 32 x 6 ml (swing out) |
| Cooling temperature | Up to - 10°C |
| Max speed (rpm) | 15000 rpm |
| RCF (g) | 22388 g (g varies as per rotor) |
| Display | Large back lit LCD display |
| Motor type | Brushless DC motor |
| Speed setting | 500 to 15000 rpm |
| Lid lock safety | Yes |
| Imbalance detection | Yes |
| Timer setting | 30 secs. to 999 mins 59 secs. & infinite mode |
| Dimension (W x D x H) in mm | 585 x 705 x 330 |
| Weight | 57 kgs (without rotor) |
| Product code | 100CULC1504VT0 |
| List Price | On request (without rotor) |

HSN Code : 84211999

### OPTIONAL ACCESSORIES

| Description | Rotor for Centrifuge Model CULC1504VT | |
|---|---|---|
| Swing Out Rotor 16 x 15 ml | 100UC3A1615MLS | 3305 g |
| Swing Out Rotor 4 x 50 ml | 100UC3A0450MLS | 3305 g |
| Swing Out Rotor 4 x 100 ml | 100UC3A0401MLS | 3305 g |
| Swing Out Rotor 2 Micro plates | 100UC3A0002MPS | 2377 g |
| Swing Out Rotor 32 x 06 ml | 100UC3A3206MLS | 3164 g |
| Swing Out Rotor 4 x 100ml (with lid) | 100UC3A0401LMS | 3164 g |
| Fixed Angle Rotor 16 x 15 ml | 100UC3A1615MLF | 4910 g |
| Fixed Angle Rotor 6 x 50 ml | 100UC3A0650MLF | 4910 g |
| Fixed Angle Rotor 4 x 50 ml | 100UC3A0450MLF | 4750 g |
| Fixed Angle Rotor 24 x 15 ml | 100UC3A2415MLF | 5070 g |
| Fixed Angle Rotor 4 x 100 ml | 100UC3A0401MLF | 4628 g |
| Fixed Angle Rotor 24 x 2 ml | 100UC3A2402MLF | 21420 g |
| Fixed Angle Rotor 44 x 2 ml | 100UC3A4402MLF | 22388 g |
| Fixed Angle Rotor 4 x 8 x 0.2 ml PCR | 100UC3A4802MLF | 15397 g |
| Fixed Angle Rotor 8 x 5 ml | 100UC3A0805MLF | 18461 g |

# DRY BATHS

LabQuest versatile Dry Bath, offers a wide range of blocks to accommodate various tubes and plates

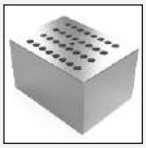
### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | LBH010 |
|---|---|
| Temperature Range | Ambient +5°C to 130°C |
| Temperature Accuracy | ±0.5°C at 37°C |
| Display Resolution | ±0.1°C |
| Heating Up Time | ≤18 min 30°C TO 130°C |
| Process Timer | 0-999 min |
| Temperature Control | PID and Digital Energy Regulator |
| Unit External Dimensions (W x D x H) in mm | 285 x 190 x 156 |
| Cover For DryBlock | UV protection |
| Power consumptions | 200W |
| Current Consumption | 1Å |
| Ordering Information | BLFHLBH01000000000 |
| List Price | 13200.00 |

HSN Code : 841989900

* Representative image Dry Bath LBHO1O supplied without aluminum block

**8 well PCR strip**
of 0.2 ml, 32 wells,
f6.35mm, depth 19mm
BLAALBHPCR3208W004



**For 0.5 ml tube**,
24 wells, φ8.0mm,
depth 25mm
BLAALBH0MW2406W004

**FOR 2.0 ml or 1.5ml tube**
16 wells of, , φ11.0mm,
depth 30mm
BLAALBH0MW1604W004

**Versatile multi well block**
for 8 wells of 0.2ml tube, 8 wells of 0.5ml tube, and 8 wells of 2.0ml or 1.5ml tube
BLAALBH0MW000BB004

**15 ml tube***
12 wells φ17.3mm,
depth 50mm
BLAALBH0MW1204W004

**For 50 ml tube**
4 wells, φ29.2mm,
depth 50mm
BLAALBH0MW0402W004

Bead bath or
water bath block Vol
of 300ml*
BLAALBH0MW000BB004

Flat **96 well** plate block
BLAALBH0MW0096W004

### OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| LBH010 ALU Block-8X4 Well PCR Strip Tube | BLAALBHPCR3208W004 | **8000.00** |
| LBH010 ALU Block- 6X4 Well, 0.5ml Tube | BLAALBH0MW2406W004 | **8000.00** |
| LBH010 ALU Block-4X4 Well, 1.5/2.0ml Tube | BLAALBH0MW1604W004 | **8000.00** |
| LBH010 ALU Block Multi Well - 8 Wells | BLAALBHVMW0008W004 | **8000.00** |
| LBH010 ALU Block-4X3 Well, 15ml Tube | BLAALBH0MW1204W004 | **8000.00** |
| LBH010 ALU Block-2X2 Well, 50ml Tube | BLAALBH0MW0402W004 | **8000.00** |
| LBH010 ALU Bead Bath/Water bath block (w/o beads) | BLAALBH0MW000BB004 | **14000.00** |
| LBH010 ALU Flat 96 Well plate block | BLAALBH0MW0096W004 | **16000.00** |

# INCUBATOR

Cooling Incubator with versatile performance

NEW

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | INCH0025 |
|---|---|
| Temperature Range | Ambient less 15 °C to 60 °C |
| Temperature Accuracy | 0.5 °C (at 37 °C) |
| Temperature Uniformity | ± 1.5 °C (at 37 °C) |
| Temperature Increments | ± 1°C |
| Dimensions (L x W x H) in mm | 337 x 370 x 475 |
| Capacity | 25L |
| Weight | 6.5 kgs |
| Power consumption | 240V |
| Ordering Code | 100INCH0025000 |
| List Price | On Request |

HSN Code : 84198990

# ORBITAL SHAKER

Maintenance free brushless DC motor for powerful performance under high speed

NEW

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | PL ONE | PL FOUR |
|---|---|---|
| Type of movement | Orbital | |
| Orbital diameter in mm | 2 mm | 3 mm |
| Number of plates | 1 | 4 |
| Motor Type | Brushless DC motor | |
| Speed range in rpm | 300 RPM to 1800 RPM | 200 RPM to 1200 RPM |
| Run Time | 1 to 99 mins & infinite | 1 to 999 mins & infinite |
| Pulse mode | No | Yes |
| Maximum Volume | 96 / 384 well plate | 4 x 96 / 384 well plate |
| Inbuilt Counter balance | Yes | Yes |
| Dimensions (W x D x H) | 85 x 127 x 86 mm | 343 x 88 x 195 mm |
| Digital Display | Yes | Yes |
| Attachments (included in standard pack) | Replaceable Clamps<br>Foam attachment for<br>20 Microtubes | NA |
| Ordering Code | 100PL000100000 | 100PL000400000 |
| List Price | 16500.00 | On Request |

HSN Code : 84798200

# HIGH CAPACITY ORBITAL SHAKER

Platform Shaker with true orbital & linear reciprocating motion

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | 7500S | 15000S | |
|---|---|---|---|
| Type of movement | Orbital / Linear | | |
| Orbital diameter in mm | 10 | 30, 40, 50 | 60, 70 |
| Speed range in rpm | 50-500 rpm | 50 - 300 rpm | 50 - 200 rpm |
| Motor type | BLDC | | |
| Display | digital | | |
| Run time | 1 min to 99.59 hrs | | |
| Programable feature | 6 programs with each program having 9 sub-programs | | |
| Program Looping | Yes | | |
| Platform Size (L x W) in mm | 330 x 330 | 745 x 490 | |
| Dimensions (W x D x H) in mm | 350 x 408 x 99 | 625 x 825 x 165 | |
| Ordering Information | 100S0000075000 | 100S0000150000 | |
| List Price | On request | On request | |

HSN Code : 84798200

### OPTIONAL ACCESSORIES - For Shaker 7.5 Kg

| Description | Product Code | List Price |
|---|---|---|
| Universal platform with adjustable bars (Flask capacity 9 x 250 ml, 6 x 500 ml) | 100S00009UPB75 | **9020.00** |
| Base plate with 9 plastic clamps : 9 x 250 ml | 100S02509BPP75 | **9000.00** |
| Base plate with 9 plastic clamps : 9 x 500 ml | 100S05009BPP75 | **9700.00** |
| Base plate with 9 Stainless steel clamps : 9 x 100 ml | 100S01009BPS75 | **11000.00** |
| Base plate with 9 Stainless steel clamps : 9 x 250 ml | 100S02509BPS75 | **11330.00** |
| Base plate with 9 Stainless steel clamps : 9 x 500 ml | 100S05009BPS75 | **13640.00** |
| Stainless steel Clamp for 100 ml flask | 100S01001SSC00 | **700.00** |
| Stainless steel Clamp for 150 ml flask | 100S01501SSC00 | **700.00** |
| Stainless steel Clamp for 250 ml flask | 100S02501SSC00 | **700.00** |
| Stainless steel Clamp for 500 ml flask | 100S05001SSC00 | **1300.00** |
| Stainless steel Clamp for 1000 ml flask | 100S10001SSC00 | **1600.00** |
| Funnel Attachment | 100S00000FA075 | **11660.00** |

### OPTIONAL ACCESSORIES - For Shaker 15 Kg

| Description | Product Code | List Price |
|---|---|---|
| Shakers 15 kg Universal Platform for 44 x 100 ml, 36 x 250 ml, 25 x 500 ml, 13 x 1000 ml | 100S00UP150000 | **49100.00** |
| Shaker 15 Kg Base Plate for Plastic Clamps for 24 x 250 ml, 24 x 250 ml | 100S0BPC150015 | **32500.00** |
| Shaker 15 Kg Plastic Clamp 1 No 250 ml | 100S02501PC015 | **870.00** |
| Shaker 15 Kg Plastic Clamp 1 No 500 ml | 100S05001PC015 | **1100.00** |
| Shaker 15 Kg Base Plate for SS Clamps 24 x 100 ml, 24 x 150 ml, 24 x 250 ml | 100S0BSC250015 | **29200.00** |
| Shaker 15 Kg SS Clamp 1 No, 100 ml | 100S01001SC015 | **1110.00** |
| Shaker 15 Kg SS Clamp 1 No, 150 ml | 100S01501SC015 | **1360.00** |
| Shaker 15 Kg SS Clamp 1 No, 250 ml | 100S02501SC015 | **1360.00** |
| Shaker 15 Kg Base Plate for SS Clamps 24 x 500 ml, 8 x 1000 ml | 100S0BSC100015 | **29200.00** |
| Shaker 15 Kg SS Clamp 1 No 500 ml | 100S05001SC015 | **1900.00** |
| Shaker 15 Kg SS Clamp 1 No 1000 ml | 100S10001SC015 | **2200.00** |

# TUBE ROLLER

Digital tube roller with microprocessor for silent operations

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | TR - 4 | TR - 6 |
|---|---|---|
| Number of tubes (in ml) | 9 x 5 ml | 15 X 7 ml |
| Motion | Rocking & Rolling | Rocking & Rolling |
| Motor | AC Synchronous | BLDC |
| Speed | Fixed | Variable |
| rpm | 30 rpm | 10 to 80 rpm |
| Tilt Anagle | ± 3° | ± 3° |
| Timer | NA | 1 to 99 mins |
| Operation Type | Continuous / Infinite | Continuous & Timed Operation |
| Pulse mode | NA | Yes |
| Protection Class | IP 21 | IP 21 |
| Dimension (W x D x H) in mm | 210 x 475 x 80 | 502 x 301 x 92.5 |
| Product Code | 100R0000415000 | 100R0000620000 |
| List Price | 18500.00 | On request |

HSN Code : 84798200

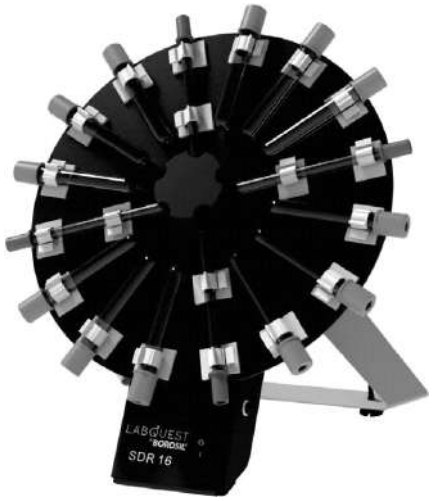
# DIGITAL DISC TUBE ROTATOR

Microprocessor controlled, gentle & effective mixing of biological samples

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | SDR 16 |
|---|---|
| Tube Capacity | 16 Tubes (12 Blood Collection Tubes + 4 ESR Tubes) |
| Speed | Fixed |
| rpm | 30 rpm |
| Time in min | Continuous / Infinite |
| Motor | AC |
| Protection Class | IP 21 |
| Dimension (W x D x H) mm | (183 x 278 x 252) |
| Cat Code | 100CTR0160030R |
| List Price | 19000.00 |

HSN Code : 84798200



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# VORTEXER

The compact and new-age designed vortex mixer is capable of meeting the mixing requirements of Laboratoy

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | BHRMI 1.0 | BHRMI 2.0 |
|---|---|---|
| Speed | 500 to 2800 rpm | 300 to 2800 rpm |
| Orbital diameter | 6 mm | |
| Motor type | AC motor | BLDC motor |
| Operational mode | Touch, Stand-by & Continuous mode | |
| Timer Setting | NA | 0 -999 min |
| Display | NA | LED with rpm & time |
| Feet | Four suction cups | |
| Unit External Dimension (W x D x H) in mm | 132 x 160 x 180 | |
| Power consumption | 55 W | 56 W |
| Current consumption | 1 A | 1.5 A |
| Ordering Information | BLFHVMX01000000000 | BLFHVMX02000000000 |
| List Price | 7900.00 | 15950.00 |

HSN Code : 84798200

## ACCESSORIES BHRMI 1.0 & 2.0

### Included

**Rubber Cup**
BLAHVMX01040000000

**Flat Foam**
BLAHVMX01050000000

**Vial Holder**
BLAHVMX01000000001

**Foam Holder**
BLAHVMX01010000007

### Optional

**Accessories for 96 WELL PLATE**
Ordering code (Combine) BLAHVMX02060000000

Microplate holder

Well plate locking belt

**Accessories for VOLUMETRIC FLASK**
Ordering code (Combine) BLA0EVA000FOAM0VMX

25, 50, 100ml Volumetric Flask Belt

Volumetric flask Base foam

Volumetric Flask Belt Locker

Foam Holder

## OPTIONAL ACCESSORIES

| Description | Product Code | Accessories 1.0 & 2.0 | List Price |
|---|---|---|---|
| Rubber Cup | BLAHVMX01040000000 | INCLUDED | **720.00** |
| Flat Foam | BLAHVMX01050000000 | | **420.00** |
| Vial Holder | BLAHVMX01000000001 | | **430.00** |
| Foam Holder | BLAHVMX01010000007 | | **660.00** |
| EVA Vial Holder foam | BLAHVMX02060000000 | OPTIONAL | **1220.00** |
| Attachment Volumetric Flask | BLA0EVA000FOAM0VMX | | **950.00** |

# MULTITUBE VORTEXER

Engineered for cell lysis, mixing suspensions, and general sample agitation

## TECHNICAL DATA & ORDERING INFORMATION

| Model Name | MTV012 |
|---|---|
| Orbital Diameter in mm | 6 |
| Speed range (rpm) | 50 - 2200 rpm |
| Motor type | BLDC motor |
| Speed Accuracy | ±50 rpm |
| Operation Mode | Pulse & Continuous mode |
| Maximum Load | 4.0 Kg |
| Digital time setting | 1 min - 999 min & Infinite |
| Dimensions in mm | 450 x 245 x 475 |
| Weight (Kg) | 24 Kg |
| Power | 60W |
| Power Supply | AC 100-240V, 50/60Hz |
| Included Accessories | Foam insert for 07mlX60 Tubes<br>Foam insert for 15mlX45 Tubes<br>Foam insert for 50mlX18 Tubes |
| Order No | BLFHMTV01200000000 |
| List Price | On request |

HSN Code : 84798200

## OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| MTV012 50 ml X 18 TUBE HOLDING FOAM | BLA0FOAMMTV0000003* | **3000.00** |
| MTV012 15 ml X 45 TUBE HOLDING FOAM | BLA0FOAMMTV0000004 * | **3000.00** |
| MTV012 07 ml X 60 TUBE HOLDING FOAM | BLA0FOAMMTV0000005* | **3000.00** |
| 250ml X 6 CONICAL FLASK HOLDING FOAM | BLA0FOAMMTV0000006 | **3000.00** |
| 100ml VOLUMETRIC FLASK HOLDING FOAM | BLA0FOAMMTV0000007 | **3000.00** |

* Supplied with unit

# CHILLERS

Ensure accurate and constant conditions of cooling requirements of rotary evaporation

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | CHL175 | CHL500 | CHL010 |
|---|---|---|---|
| Tank capacity | 5 L | 7.5 L | 10 L |
| Tank size (L x W x D) in mm | 325 x 176 x 150 | 325 x 265 x 150 | 325 x 265 x 200 |
| Cooling capacity | 175 W | 500 W | 1000 W |
| Pump flow rate | 12.5 LPM | | |
| Display | LED | | |
| Temperature stability | ± 1.0 °C | | |
| Temperature range | -10 °C to ambient -5 °C | | |
| Ordering information | BLFRCHL17500000000 | BLFRCHL50000000000 | BLFRCHL01000000000 |
| List Price | On request | | |

HSN Code : 84198990

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | CTR175 | CTR500 | CTR101 |
|---|---|---|---|
| Tank capacity | 5 L | 7.5 L | 10 L |
| Tank size (L x W x D) mm | (325x176x150) mm | | (325x265x200) mm |
| Cooling capacity | 175 W | 500 W | 1000 W |
| Pump flow rate | 12.5 LPM | | |
| Display | LED | | |
| Temperature stability | ± 1.0 °C | | |
| Temperature range | -10°C to 100°C | | |
| Ordering information | BLFRCTR17500000000 | BLFRCTR50000000000 | BLFRCTR01000000000 |
| List Price | On request | | |

HSN Code : 84198990

### OPTIONAL ACCESSORIES

| Description | Product Code | List Price |
|---|---|---|
| Silicon Tube : 10 mm ID x 14 mm OD | BLA0TUB100SILC1014 | **770.00** |

# VACCUM PUMP

Clean operation & highest reliability with LabQuest Oil Free Vaccum Pump

### TECHNICAL DATA & ORDERING INFORMATION

| Model Name | BORO - 017 |
|---|---|
| Max. Vacuum | 100 mbar |
| Max. flow rate | 17 L / min |
| Motor rotation | 1450 rpm |
| Port thread | 9 mm |
| Noise level | 50 dB |
| Weight | 4.4 kg |
| Dimension (W x D X H) in mm | 272 x 142 x 165 |
| Electrical Requirement | 0.3 A |
| Power Consumption | 60 W |
| Ordering Information | 100VP300017 |
| List Price | 26400 |

HSN Code : 84798200

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# MICROPIPETTE

C1 Designed to take manual liquid-handling workflows to a whole new level with industry-leading accuracy and precision.

### TECHNICAL DATA & ORDERING INFORMATION

| Product Code | Volume Range (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|
| LHC17111001 | 1 | 2.5 | 1.8 | **14960.00** |
| LHC17111002 | 2 | 2.5 | 1.8 | **14960.00** |
| LHC17111005 | 5 | 1.2 | 0.8 | **14960.00** |
| LHC17111006 | 10 | 1.0 | 0.5 | **14960.00** |
| LHC17111008 | 20 | 1.0 | 0.3 | **14960.00** |
| LHC17111009 | 25 | 0.8 | 0.4 | **14960.00** |
| LHC17111010 | 30 | 1.2 | 0.4 | **14960.00** |
| LHC17111012 | 50 | 1.0 | 0.3 | **14960.00** |
| LHC17111016 | 100 | 0.7 | 0.2 | **14960.00** |
| LHC17111020 | 200 | 0.6 | 0.2 | **14960.00** |
| LHC17111021 | 250 | 2.0 | 0.6 | **14960.00** |
| LHC17111024 | 500 | 0.8 | 0.2 | **14960.00** |
| LHC17111029 | 1000 | 0.8 | 0.2 | **14960.00** |
| LHC17111030 | 2000 | 1.2 | 0.3 | **14960.00** |
| LHC17111033 | 5000 | 0.6 | 0.2 | **14960.00** |
| LHC17111038 | 10000 | 0.6 | 0.2 | **14960.00** |

HSN Code : 90318000

### TECHNICAL DATA & ORDERING INFORMATION

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC17112002 | 0.2-2 | 0.02 | 2.0 | 1.00 | **18820.00** |
| LHC17112005 | 0.5-10 | 0.10 | 1.0 | 0.50 | **18820.00** |
| LHC17112008 | 2-20 | 0.20 | 1.0 | 0.30 | **18820.00** |
| LHC17112016 | 5-50 | 0.50 | 1.0 | 0.30 | **18820.00** |
| LHC17112020 | 10-100 | 1.00 | 0.7 | 0.20 | **18820.00** |
| LHC17112024 | 20-200 | 2.00 | 0.6 | 0.20 | **18820.00** |
| LHC17112029 | 100-1000 | 10.00 | 0.8 | 0.20 | **18820.00** |
| LHC17112033 | 1000-5000 | 50.00 | 0.6 | 0.15 | **18820.00** |
| LHC17112038 | 1000-10000 | 20.00 | 0.6 | 0.15 | **18820.00** |

HSN Code : 90318000

### OPTIONAL ACCESSORIES

| Description | Product Code | Qty. / Pk | List Price |
|---|---|---|---|
| C1 Fixed Vol Knob | On Request | 1 | **2500.00** |
| C1 Variable Vol Knob | On Request | 1 | **3900.00** |

# MICROPIPETTE

C1 Multichannel pipettes minimize human error and maximize the reliability of manual liquid transfer in scientific experiments.

## TECHNICAL DATA & ORDERING INFORMATION

**C1 PIPETTE, 8 CHANNEL**
**Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC17113001 | 0.5-10 | 0.1 | 2.00 | 1.00 | **32000.00** |
| LHC17113002 | 2-20 | 0.2 | 2.00 | 1.00 | **32000.00** |
| LHC17113009 | 5-50 | 0.5 | 1.40 | 0.60 | **32000.00** |
| LHC17113016 | 10-100 | 1 | 1.30 | 0.50 | **32000.00** |
| LHC17113020 | 20-200 | 2 | 1.20 | 0.40 | **32000.00** |
| LHC17113022 | 30-300* | 2 | 1.40 | 0.30 | **32000.00** |

HSN Code : 90318000

* 30-300µl available in two knobs : 30 - 200 µl & 125 - 300 µl

**C1 PIPETTE, 12 CHANNEL**
**Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC17114001 | 0.5-10 | 0.1 | 2.00 | 1.00 | **35600.00** |
| LHC17114002 | 2-20 | 0.2 | 2.00 | 1.00 | **35600.00** |
| LHC17114009 | 5-50 | 0.5 | 1.40 | 0.60 | **35600.00** |
| LHC17114016 | 10-100 | 1.0 | 1.30 | 0.50 | **35600.00** |
| LHC17114020 | 20-200 | 2.0 | 1.20 | 0.40 | **35600.00** |
| LHC17114022 | 30-300* | 2.0 | 1.40 | 0.30 | **35600.00** |

HSN Code : 90318000

* 30-300µl available in two knobs : 30 - 200 µl & 125 - 300 µl

C1 PIPETTE, 8 CHANNEL

C1 PIPETTE, 12 CHANNEL

# MICROPIPETTE

Experience truly effortless pipetting with New LabQuest C2 Pipette

## TECHNICAL DATA & ORDERING INFORMATION

**C2 Single Channel Fixed Volume Pipette Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|
| LHC27111003 | 2.5 | 2.0 | 1.6 | **8500.00** |
| LHC27111005 | 5 | 1.3 | 1.2 | **8500.00** |
| LHC27111006 | 10 | 1.2 | 0.6 | **8500.00** |
| LHC27111008 | 20 | 1.0 | 0.3 | **8500.00** |
| LHC27111009 | 25 | 1.0 | 0.3 | **8500.00** |
| LHC27111012 | 50 | 0.7 | 0.3 | **8500.00** |
| LHC27111016 | 100 | 0.6 | 0.2 | **8500.00** |
| LHC27111020 | 200 | 0.6 | 0.2 | **8500.00** |
| LHC27111023 | 250 | 0.6 | 0.3 | **8500.00** |
| LHC27111024 | 500 | 0.6 | 0.2 | **8500.00** |
| LHC27111029 | 1000 | 0.6 | 0.2 | **8500.00** |
| LHC27111030 | 2000 | 0.3 | 0.15 | **8500.00** |
| LHC27111033 | 5000 | 0.3 | 0.15 | **8500.00** |
| LHC27111038 | 10000 | 0.6 | 0.2 | **8500.00** |

HSN Code : 90318000

**C2 Single Channel Variable Volume Pipette Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC27112003 | 0.2-2.5 | 0.002 | 2.5 | 0.70 | **13200.00** |
| LHC27112005 | 0.5-10 | 0.02 | 1.0 | 0.40 | **13200.00** |
| LHC27112008 | 2-20 | 0.02 | 0.9 | 0.30 | **13200.00** |
| LHC27112016 | 5-50 | 0.10 | 0.5 | 0.30 | **13200.00** |
| LHC27112020 | 10-100 | 0.10 | 0.8 | 0.20 | **13200.00** |
| LHC27112024 | 20-200 | 0.20 | 0.6 | 0.20 | **13200.00** |
| LHC27112029 | 100-1000 | 1.00 | 0.6 | 0.20 | **13200.00** |
| LHC27112033 | 500-5000 | 10.00 | 0.6 | 0.20 | **13200.00** |
| LHC27112038 | 1000-10000 | 20.00 | 0.6 | 0.15 | **13200.00** |

HSN Code : 90318000

**C2 8 - Channel Variable Volume Pipette Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC27113001 | 0.5-10 | 0.02 | 2.00 | 1.00 | **28000.00** |
| LHC27113002 | 2-20 | 0.02 | 2.00 | 1.60 | **28000.00** |
| LHC27113009 | 5-50 | 0.1 | 1.00 | 0.70 | **28000.00** |
| LHC27113016 | 10-100 | 0.1 | 0.80 | 0.30 | **28000.00** |
| LHC27113020 | 20-200 | 0.2 | 0.70 | 0.25 | **28000.00** |
| LHC27113022 | 30-300 | 0.2 | 0.60 | 0.30 | **28000.00** |

HSN Code : 90318000

**C2 12- Channel Variable Volume Pipette Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC27113001 | 0.5-10 | 0.02 | 2.00 | 1.00 | **33000.00** |
| LHC27113002 | 2-20 | 0.02 | 2.00 | 1.60 | **33000.00** |
| LHC27113009 | 5-50 | 0.1 | 1.00 | 0.70 | **33000.00** |
| LHC27113016 | 10-100 | 0.1 | 0.80 | 0.30 | **33000.00** |
| LHC27113020 | 20-200 | 0.2 | 0.70 | 0.25 | **33000.00** |
| LHC27113022 | 30-300 | 0.2 | 0.60 | 0.30 | **33000.00** |

HSN Code : 90318000

# MICROPIPETTE

C3 Pipettes

## TECHNICAL DATA & ORDERING INFORMATION

**C3: Lightweight, Ergonomic pipette design for every lab appliaction**

| Product Code | Volume Range (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|
| LHC37111001 | 1 | 2.5 | 1.8 | **3900.00** |
| LHC37111002 | 2 | 2.5 | 1.2 | **3900.00** |
| LHC37111005 | 5 | 1.2 | 0.8 | **3900.00** |
| LHC37111006 | 10 | 1.0 | 0.5 | **3900.00** |
| LHC37111008 | 20 | 1.0 | 0.3 | **3900.00** |
| LHC37111009 | 25 | 0.8 | 0.4 | **3900.00** |
| LHC37111010 | 30 | 1.2 | 0.4 | **3900.00** |
| LHC37111012 | 50 | 1.0 | 0.3 | **3900.00** |
| LHC37111016 | 100 | 0.7 | 0.2 | **3900.00** |
| LHC37111020 | 200 | 0.6 | 0.2 | **3900.00** |
| LHC37111021 | 250 | 0.4 | 0.2 | **3900.00** |
| LHC37111024 | 500 | 0.8 | 0.2 | **3900.00** |
| LHC37111029 | 1000 | 0.8 | 0.2 | **3900.00** |
| LHC37111033 | 5000 | 0.6 | 0.2 | **3900.00** |
| LHC37111038 | 10000 | 0.6 | 0.2 | **3900.00** |

HSN Code : 90318000

**C3 Single Channel Variable Vol Pipette, Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC37112002 | 0.2-2 | 0.01 | 2.00 | 1.00 | **5400.00** |
| LHC37112005 | 0.5-10 | 0.10 | 1.00 | 0.50 | **5400.00** |
| LHC37112008 | 2-20 | 0.10 | 1.00 | 0.30 | **5400.00** |
| LHC37112016 | 5-50 | 0.50 | 1.00 | 0.30 | **5400.00** |
| LHC37112020 | 10-100 | 0.50 | 0.70 | 0.20 | **5400.00** |
| LHC37112024 | 20-200 | 1.00 | 0.60 | 0.20 | **5400.00** |
| LHC37112029 | 100-1000 | 5.00 | 0.80 | 0.20 | **5400.00** |
| LHC37112033 | 500-5000 | 50.00 | 0.60 | 0.20 | **5400.00** |
| LHC37112038 | 1000-10000 | 100.00 | 0.60 | 0.15 | **5400.00** |

HSN Code : 90318000

**C3 8- Channel Variable Volume Pipette Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC37113001 | 0.5-10 | 0.10 | 1.50 | 1.50 | **19540.00** |
| LHC37113009 | 5-50 | 0.50 | 1.00 | 0.70 | **19540.00** |
| LHC37113016 | 10-100 | 0.50 | 1.00 | 0.50 | **19540.00** |
| LHC37113020 | 20-200 | 1.0 | 0.7 | 0.25 | **19540.00** |
| LHC37113022 | 30-300 | 1.0 | 0.8 | 0.25 | **19540.00** |

HSN Code : 90318000

**C3 12- Channel Variable Volume Pipette Calibration & Accuracy As Per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|
| LHC37114001 | 0.5-10 | 0.1 | 1.50 | 1.50 | **24420.00** |
| LHC37114009 | 5-50 | 0.5 | 1.00 | 0.70 | **24420.00** |
| LHC37114016 | 10-100 | 0.5 | 1.00 | 0.50 | **24420.00** |
| LHC37114020 | 20-200 | 1.0 | 0.70 | 0.25 | **24420.00** |
| LHC37114022 | 30-300 | 1.0 | 0.80 | 0.25 | **24420.00** |

HSN Code : 90318000

# MICROPIPETTE

Electronic pipettes are ergonomic with features of pipetting, dispensing programs & reduce muscle strain by performing pipetting steps for the user

**C1 Single Channel Electronic Micropipette - Calibration and Accuracy As per ISO 8655**

| Product Code | Volume Increment (µl) | Volume Range (µl) | Test Volume (µl) | Inaccuracy (%) | Imprecision (%) | List Price |
|---|---|---|---|---|---|---|
| LHC17022042 | 0.5-10 | 0.01 | 10 | 1 | 1 | **36260.00** |
| LHC17022012 | 5-100 | 0.1 | 100 | 0.8 | 0.2 | **36260.00** |
| LHC17022008 | 10-200 | 0.1 | 200 | 0.6 | 0.2 | **36260.00** |
| LHC17022024 | 50 - 1000 | 1 | 1000 | 0.6 | 0.2 | **36260.00** |
| LHC17022016 | 250 - 5000 | 5 | 5000 | 0.6 | 0.2 | **36260.00** |

HSN Code : 90318000

**C1 8-Channel Electronic Micropipette - Calibration and Accuracy As per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | List Price |
|---|---|---|---|
| LHC17023001 | 0.5-10 | 0.01 | **58940.00** |
| LHC17023002 | 2-20 | 0.01 | **58940.00** |
| LHC17023016 | 5-100 | 0.10 | **58940.00** |
| LHC17023020 | 10-200 | 0.10 | **58940.00** |
| LHC17023022 | 15-300 | 0.10 | **58940.00** |

HSN Code : 90318000

**C1 12-Channel Electronic Micropipette - Calibration and Accuracy As per ISO 8655**

| Product Code | Volume Range (µl) | Volume Increment (µl) | List Price |
|---|---|---|---|
| LHC17024001 | 0.5-10 | 0.01 | **66570.00** |
| LHC17024002 | 2-20 | 0.01 | **66570.00** |
| LHC17024016 | 5-100 | 0.10 | **66570.00** |
| LHC17024020 | 10-200 | 0.10 | **66570.00** |
| LHC17024022 | 15-300 | 0.10 | **66570.00** |

HSN Code : 90318000

# ELECTRONIC PIPETTE CONTROLLER

FAST PIPETTE Pipette Controller: Pipette filling device

| Product Code | Description | List Price |
|---|---|---|
| LHC17005011 | Pipette filling device | **18700.00** |

HSN Code : 90318000

# BOTTLE TOP DISPENSERS

Bottle Top Dispensers offer simple solution for safe dispensing of reagents & chemicals in desired volume

### TECHNICAL DATA & ORDERING INFORMATION

2011 - Bottle Top Dispensers Research Model - Fully Autoclavable, Calibration And Accuracy As Per ISO 8655

| Product Code | Vol. Range (µl) | Increment (ml) | Accuracy | | CV | | List Price |
|---|---|---|---|---|---|---|---|
| | | | ± % | ± ml | ± % | ± ml | |
| LH002011002 | 0.25 - 2.5 | 0.05 | 0.6 | 0.012 | 0.2 | 0.004 | **13800.00** |
| LH002011005 | 0.5 - 5.0 | 0.10 | 0.6 | 0.03 | 0.2 | 0.01 | **13800.00** |
| LH002011016 | 1.0 - 10.0 | 0.20 | 0.6 | 0.06 | 0.2 | 0.02 | **13800.00** |
| LH002011020 | 2.5 - 30.0 | 0.50 | 0.6 | 0.18 | 0.2 | 0.06 | **20000.00** |
| LH002011040 | 5.0 - 60.0 | 1.00 | 0.6 | 0.36 | 0.2 | 0.12 | **20000.00** |
| Lh002011100 | 10.0 - 100.0 | 2.00 | 0.5 | 0.5 | 0.1 | 0.1 | **23900.00** |

HSN Code : 90278090

Dispensers come with 28mm, 32mm, 36mm, 40mm & 45mm bottle neck adapters.

2012 - Bottle Top Dispensers Pinnacle Model - with Re-circulation Valve, Calibration And Accuracy As Per ISO 8655

| Product Code | Vol. Range (µl) | Increment (ml) | Accuracy | | CV | | List Price |
|---|---|---|---|---|---|---|---|
| | | | ± % | ± ml | ± % | ± ml | |
| LH002012002 | 0.25 - 2.5 | 0.05 | 0.6 | 0.015 | 0.2 | 0.005 | **22900.00** |
| LH002012005 | 0.5 - 5.0 | 0.10 | 0.5 | 0.025 | 0.1 | 0.005 | **22900.00** |
| LH002012016 | 1.0 - 10.0 | 0.20 | 0.5 | 0.05 | 0.1 | 0.01 | **22900.00** |
| LH002012020 | 2.5 - 30.0 | 0.50 | 0.5 | 0.15 | 0.1 | 0.03 | **32100.00** |
| LH002012040 | 5.0 - 60.0 | 1.00 | 0.5 | 0.3 | 0.1 | 0.06 | **34200.00** |
| Lh002012100 | 10.0 - 100.0 | 2.00 | 0.5 | 0.5 | 0.1 | 0.1 | **49400.00** |

HSN Code : 90278090

Dispensers come with 28mm, 32mm, 36mm, 40mm & 45mm bottle neck adapters.

# ELECTRONIC BURETTE

Automatic Digital Burette -Designed with ergonomics and intuitive handling

### TECHNICAL DATA & ORDERING INFO

| Model name | EB010 | EB025 | EB050 |
|---|---|---|---|
| Capacity (ml) | 10 ml | 25 ml | 50 ml |
| Display Increment (ml) | 0.01 ml | | |
| Accuracy in ± % | 0.20% | 0.20% | 0.20% |
| Accuracy in ± ml | 0.02 ml | 0.05 ml | 0.1 ml |
| CV in ± % | 0.07% | 0.07% | 0.07% |
| CV in in ± ml | 0.007 ml | 0.0175 ml | 0.035 ml |
| Ordering Code | LH002014006 | LH002014009 | LH002014012 |
| List Price | 87100.00 | 87100.00 | 87100.00 |

HSN Code : 90278090

# TIPS

The ergonomically optimized cone geometry provides the optimal pipette fit for LabQuest Pipette

## TECHNICAL DATA & ORDERING INFORMATION

**Universal Graduated Tips Bulk Pack**

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT0000010B | BGT-10B | 10 | – | 1000 tips / pack | **550.00** |
| BGT0000200B | BGT-200B | 200 | – | 1000 tips/ pack | **510.00** |
| BGT0001000B | BGT-1000B | 1000 | – | 1000 tips/ pack | **770.00** |
| BGT0C10005000B | BGT-C10005 | 5000 | Only C1 | 100 tips/ pack | **1240.00** |
| BGT0C30005000B | BGT-C30005 | 5000 | Only C3 | 100 tips/ pack | **1240.00** |
| BGT0C10010000B | BGT-C10010 | 10000 | Only C1 | 100 tips/ pack | **2800.00** |
| BGT0C30010000B | BGT-C30010 | 10000 | Only C3 | 100 tips/ pack | **2800.00** |

**Universal Graduated Tip Racks**

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT0000010R | BGT-10 | 10 | – | 10 X 96 Tips/rack | 2310.00 |
| BGT0000200R | BGT-200R | 200 | – | 10 X 96 Tips/rack | 2190.00 |
| BGT0001000R | BGT-1000R | 1000 | – | 6 X 96 Tips/ rack | 1410.00 |

**Universal Graduated Tip Racks Sterile**

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT000010SR | BGT-10SR | 10 | – | 10 X 96 Tips/rack | **2490.00** |
| BGT000200SR | BGT-200SR | 200 | – | 10 X 96 Tips/rack | **2360.00** |
| BGT001000SR | BGT-1000SR | 1000 | – | 6 X 96 Tips/ rack | **1640.00** |

**Universal Graduated Tip Racks Sterile Low Retention**

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT00010SLR | BGT-10SLR | 10 | – | 10 X 96 Tips/rack | **2660.00** |
| BGT00200SLR | BGT-200SLR | 200 | – | 10 X 96 Tips/rack | **2600.00** |
| BGT01000SLR | BGT-1000SLR | 1000 | – | 6 X 96 Tips/ rack | **2120.00** |

**Universal Graduated Tip Reload Stack Sterile**

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT000010SZ | BGT-10SZ | 10 | – | 10 X 96 tips / rack | **1700.00** |
| BGT000200SZ | BGT-200SZ | 200 | – | 10 X 96 tips / rack | **1630.00** |
| BGT001000SZ | BGT-1000SZ | 1000 | – | 5 x 96 tips/ rack | **1220.00** |

**Universal Graduated Tip Reload Stack Sterile Low Retention**

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT00010SLZ | BGT-10SLZ | 10 | – | 10 X 96 tips / rack | **2000.00** |
| BGT00200SLZ | BGT-200SLZ | 200 | – | 10 X 96 tips / rack | **1950.00** |
| BGT01000SLZ | BGT-1000SLZ | 1000 | – | 5 x 96 tips/ rack | **1520.00** |

* HSN Code : 90278090

# FILTER TIPS

Protect pipettes and valuable samples from contamination with LabQuest Filter Tips

## TECHNICAL DATA & ORDERING INFORMATION

### Universal Graduated Filter Tips Bulk Pack

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT000010FB | BGT-10FB | 10 | – | 1000 tips/ pack | **2540.00** |
| BGT000020FB | BGT-20FB | 20 | – | 1000 tips/ pack | **2540.00** |
| BGT000050FB | BGT-50FB | 50 | – | 1000 tips/ pack | **2540.00** |
| BGT000100FB | BGT-100FB | 100 | – | 1000 tips/ pack | **2540.00** |
| BGT000200FB | BGT-200FB | 200 | – | 1000 tips/ pack | **2540.00** |
| BGT001000FB | BGT-1000FB | 1000 | – | 1000 tips/ pack | **3150.00** |

### Universal Graduated Filter Tip Racks

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT000010FR | BGT-10FR | 10 | – | 10 X 96 Tips/rack | **3630.00** |
| BGT000020FR | BGT-20FR | 20 | – | 10 X 96 Tips/rack | **3630.00** |
| BGT000050FR | BGT-50FR | 50 | – | 10 X 96 Tips/rack | **3630.00** |
| BGT000100FR | BGT-100FR | 100 | – | 10 X 96 Tips/rack | **3630.00** |
| BGT000200FR | BGT-200FR | 200 | – | 10 X 96 Tips/rack | **3630.00** |
| BGT001000FR | BGT-1000FR | 1000 | – | 6 X 96 Tips/ rack | **2540.00** |

### Universal Graduated Filter Tip Rack Sterile

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT00010SFR | BGT-10SFR10 | 10 | – | 10 X 96 Tips/rack | **3750.00** |
| BGT00020SFR | BGT-20SFR | 20 | – | 10 X 96 Tips/rack | **3750.00** |
| BGT00050SFR | BGT-50SFR | 50 | – | 10 X 96 Tips/rack | **3750.00** |
| BGT00100SFR | BGT-100SFR | 100 | – | 10 X 96 Tips/rack | **3750.00** |
| BGT00200SFR | BGT-200SFR | 200 | – | 10 X 96 Tips/rack | **3750.00** |
| BGT01000SFR | BGT-1000SFR | 1000 | – | 6 X 96 Tips/ rack | **2790.00** |

### Universal Graduated Filter Tip Rack Sterile Low Retention

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT0010SLFR | BGT-10SLFR | 10 | – | 10 X 96 Tips/rack | **4600.00** |
| BGT0020SLFR | BGT-20SLFR | 20 | – | 10 X 96 Tips/rack | **4600.00** |
| BGT0050SLFR | BGT-50SLFR | 50 | – | 10 X 96 Tips/rack | **4600.00** |
| BGT0100SLFR | BGT-100SLFR | 100 | – | 10 X 96 Tips/rack | **4600.00** |
| BGT0200SLFR | BGT-200SLFR | 200 | – | 10 X 96 Tips/rack | **4600.00** |
| BGT1000SLFR | BGT-1000SLFR | 1000 | – | 6 X 96 Tips/ rack | **3450.00** |

### Empty Tip Box

| Product Code | Short Code | Tip Vol. (µl) | Special Feature | Selling Unit | List Price |
|---|---|---|---|---|---|
| BGT00010ETR | BGT-10ETR | 10 | – | 10 Rack Boxes | **1800.00** |
| BGT00200ETR | BGT-200ETR | 200 | – | 10 Rack Boxes | **1800.00** |
| BGT01000ETR | BGT-1000ETR | 1000 | – | 6 Rack Boxes | **1200.00** |

* HSN Code : 90278090

# TECHNICAL INFORMATION

**BOROSIL** LOW EXPANSION BOROSILICATE GLASS:
From the 16th century to the present day, chemical research teams have been using glass containers for a very simple reason. As the glass container is transparent, the contents and the reaction are clearly visible. However, since chemists need to heat, cool and mix chemical substances, ordinary glass is not always appropriate for laboratory work.

Laboratory work requires apparatus made of glass that can readily be moulded into any desired shape or form. It requires glass that offers maximum inertness when in contact with the widest range of chemical substances. The glass should have the capability to withstand thermal shock without fracture, and it should facilitate high temperature work without deforming. It should be resilient enough to survive the everyday knocks to which it will be subjected in normal laboratory handling, washing and sterilising processes.

**BOROSIL** is the trade name of such a glass.

The products represent optimum mechanical, thermal and chemical behaviour. This glass is used in laboratories as well as for industrial applications, where thermal shock resistance, mechanical resistance as well as unusual chemical resistance are required.

## CHEMICAL COMPOSITION OF GLASS

Borosil glass is a 3.3 Type I low alkali borosilicate glass. It is virtually free from the Magnesia-Lime-Zinc group, and is also completely free of arsenic and other heavy metals.
Its **typical chemical composition** is given below.

| Content | Approx % by weight |
|---|---|
| $SiO_2$ | 81 |
| $B_2O_3$ | 13 |
| $Na_2O$ / $K_2O$ | 4 |
| $Al_2O3$ | 2 |

## THERMAL PROPERTIES

Borosil glass has a low co-efficient of thermal expansion. Consequently, the thermal stresses under a given temperature gradient are also low. The glass can withstand higher temperature gradients and also sudden temperature changes / thermal shocks. Minute scratching of the glass surface can, however, reduce its thermal resistance.
'Strain Point' should be regarded as the maximum safe operating temperature for Borosil glassware. When heated above 500°C, the glass may acquire permanent stresses on cooling.

All Borosil laboratoryware is annealed in a modern Lehr, under strictly controlled conditions to ensure minimal residual stresses in the products.

The **typical thermal properties** of Borosil glassware are mentioned below

| Coefficient of Linear Expansion | **32.5** x$10^{-7}$cm / cm / °C |
|---|---|
| Strain Point | **515°C** |
| Annealing Point | **565°C** |
| Softening Point | **820°C** |
| Specific Heat | **0.2** |
| Thermal Conductivity (Cal / $cm^3$ / °C / sec) | **0.0027** |

## CHEMICALPROPERTIES

BOROSIL 3.3 Glass is highly resistant to water, neutral and acid solutions, concentrated acids and acid mixtures, and to chorine, bromine, iodine and organic substances. The chemical resistance of this glass is superior to that of most metals and other materials, even when exposed to long processing periods and temperatures above 100 ºC. A slight release of mainly monovalent ions takes place after exposure of the glass to water or acids. A very thin layer of impervious silica gel is subsequently formed on the surface of the glass, which in turn slows clown further attack. At higher temperatures and in more concentrated forms the glass surface is subject to increased attack by hydrofluoric acid, hot phosphoric acid and alkaline solutions.

| Hydrolytic Class (ISO 719) | HGB 1 |
|---|---|
| Acid Class (DIN 12 116) | S1 |
| Alkali Class (ISO 695) | A 2 |

| A GUIDE ON GLASS BREAKAGE AND RECOMMENDED SOLUTIONS | | |
|---|---|---|
| **Type of breakage** | **Causes of glass breakage** | **Solution** |
| Breakage during heating procedures | Drying up of vessel during heating due to evaporation | Do not leave the vessel unattended during heating procedure |
| | Use of excessive heat throughout the experiment | Decrease the tempertaure as the liquid level drops |
| | Use of point source heating | Solution |
| | | Use a large but soft flame for heating |
| | Heating of the vessel above the liquid level | "Ensure that the flame is in contact with the vessel below the liquid level" |
| | Uneven heating the vessel over electric heaters and hot plates; use of an under sized hot plate | "Always ensure that the surface of the hot plate is larger in area than the base of the vessel being heated." |

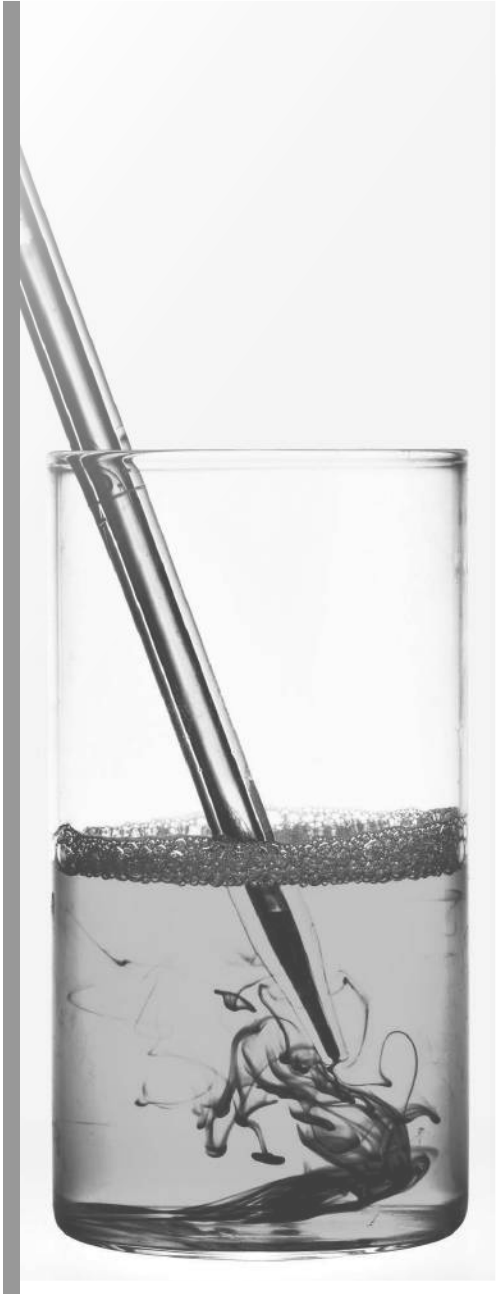
| A GUIDE ON GLASS BREAKAGE AND RECOMMENDED SOLUTIONS | | |
|---|---|---|
| **Type of breakage** | **Causes of glass breakage** | **Solution** |
| Breakage during cooling procedures | Placing the hot vessel on cold surface/ filling up a hot vessel with cold liquids | Allow the vessel to cool before placing or filling it up on/ with cold surfaces/substances |
| Breakage due to scratches and abrasions inside the vessel | Use of incorrect anti-bumping device, such as broken procelain with sharp edges that causes internal abrasions and reduces mechanical strength of the glass | Always use anti-bumping devices in the vessel, such as powdered pumice or glass wool |
| | Use of improper stirring device that causes internal abrasions and reduces mechanical strength of the glass | Always use a teflon sleeve or a similar device on stirring rods, to prevent scratching of the inside of the vessel |
| | | When using a glass vessel with a magnetic stirrer, always use a covered follower. This prevents abrasion of the walls from inside of the vessel |
| Breakage of the base of the glass container | Placing the hot vessel on cold surface/ filling up a hot vessel with cold liquids | Allow the vessel to cool before placing or filling it up on/ with cold surfaces/substances |
| | Use of a glass or metal mechanical stirrer in a glass vessel | Always pre-determine the height of the stirrer before use, to ensure that the stirrer blade does not come in contact with the base or sides of the vessel |
| | Addition of the antibumping device froma height in the glass vessel | |
| | Addition of water to acid in a glass vessel which generates sudden heat and leads to breakage | Always ensure to add water first in the glass container followed by slow addition of acid |
| Breakage due to vacuum/ pressure | Application of sudden pressure changes | Apply and release positive or negative pressures gradually. |
| | Use of pressure beyond the limit | Refer manufacturers instructions carefully before applying pressure/ vaccum to the glass vessel |
| Breakage of stopcocks and joints | Stopcocks stuck hardly on burettes and funnels | When not in use insert a thin strip of paper between the joint surfaces to prevent them from sticking |
| | | Mechanical separation of the joint by carefully rocking the Cone in the socket, or gentle tapping the socket flange on a wooden surface, or by heating the socket and not the Cone in a localised flame |
| | | Use of penetrating oil |
| | | Frequent lubrication to prevent the stopcock and joints from sticking |
| | | When using lubricants, it is advisable to apply a light coat of grease all around the upper part of the joint. Use only a small amount, and avoid greasing the part of the joint that comes in contact with the inside of the apparatus.<br>Three types of lubricants are commonly used on standard taper joints.<br>(a) Hydrocarbon grease is the most widely used. It can be removed easily by most laboratory solvents, including acetone.<br>(b) As hydrocarbon grease is easy to remove, silicon grease is usually preferred for higher temperature or high vacuum applications. It can be removed with chloroform easily.<br>(c) For long-term reflux or extraction reactions, a watersoluble, organic and insoluble grease such as glycerin, is suitable. Glycerin can be removed by means of water |
| Breakage during inserting glass tubing into rubber bung | Improper lubrication | Use water, oil or glycerol on both, the tubing as well as the rubber bung |
| | Presence of rough ends | Always fire-polish the rough ends of the glass tubing before attempting to insert it into flexible tubing |

# CLEANING OF GLASSWARE

Use of clean glassware is crucial for efficacy and efficiency of chemical reactions or biological processes. It is the key to success of any experiment. Use of dirty glass ware can lead to cross contamination of chemicals thereby leading to erroneous results. Cleaning of glassware should be an integral part of the good laboratory practices and should be followed by each member of the lab after each use.

## DID YOU KNOW ?

New glassware is slightly alkaline in reaction. Hence, it should be soaked for about 2 to 3 hours in acidic water (1% solution of hydrochloric acid or nitric acid). Rinse with water and then soak the empty glassware in a basin / tub containing suitable cleaning agent / solution for 20 to 30 minutes.



### Cleaning agents :

- Water/Purified water/warm water – Routine cleaning of all glassware
- Soaps/ detergent solution - Routine cleaning of all glassware
- Cleaning powders with/without abrasives – For exceptionally dirty glassware
- Acetone/Solvents - Glassware with greasy, sticky, waxy materials and glassware containing water immiscible solvents
- Hot nitric acid – glassware containing cloudy precipitates and coagulated organic matter, glassware required for TOC analysis

**NOTE** : After use of any of the cleaning agents, other than water, glassware should be rinsed and cleaned with water as per the standard laboratory procedure

## DO'S AND DON'TS OF CLEANING

| DO'S | DON'T'S |
|---|---|
| Remove the content of glassware before washing | Do not use a metallic scrubber or a brush with metallic bristles for cleaning |
| Remove all markings / sticker labels from the glassware. | Do not use strong alkalis for cleaning |
| Bring glassware to ambient temperature before cleaning, if they are subjected to heating or cooling during analysis | Do not use chromic acid and sulphuric acid mixture for cleaning as it is hazardous and toxic in nature |
| Use a suitable cleaning agent depending upon the type of dirt | |
| Soak the glassware in the cleaning agent for about half an hour before cleaning | |
| Use a good quality brush for cleaning | |
| After applying the cleaning agents always rinse the glassware first with tap water and finally with purified water | |
| Recommended temperature for drying of glassware is $60^0$C - $100^0$C | |

## Pipette Cleaning

- Dip the pipettes with their tips down, in a cylinder or tall jar of water, immediately after use.
- Do not drop them into the jar as this may break or chip the tips and render them useless.
- A pad of cotton or glass wool at the base of the jar will help to prevent breaking of the tips.
- Please ensure that the water level is high enough to immerse the greater portion of all or each of the Pipettes.
- Then drain the Pipettes and transfer them into a cylinder or jar containing any suitable cleaning agent or any suitable detergent solution.
- Allow it to soak in a jar or cylinder for about half an hour.
- Drain the pipette and run tab water over and through them until all contents are removed.
- Soak the Pipettes in purified water for at least one hour.
- Remove them and dry the external surface with a cloth, shake out the water and dry in oven.
- After drying, place the Pipettes in a dust-free drawer.
- For sterile applications, wrap serological and bacteriological Pipettes in an autoclavable bag and autoclave at 121$^0$C for 30 mins or place them in
- Pipette cans and sterilise them in the dry air steriliser at 160°C for two hours.
- A Pipette used for transferring infectious material should have a plug of cotton placed in its mouth end before sterilising

## Burette Cleaning

- Remove stopcock key before cleaning and wash the stopcock key separately
- Wash the burette with suitable cleaning agent or any other suitable detergent solution
- Rinse with tap water until all the dirt is removed. Then rinse with purified water.
- Keep the cleaned burette in inverted position until dry.
- Open the stopcock and keep for drying.
- Before the stopcock key is replaced in the burette, lubricate the joint with a small amount of lubricant.
- Always cover tip of burettes with butter paper or aluminium foil, when not in use.

Note: **The bureette stopcock keys and glass stop cocks are not interchangeable**, hence, glass key and burette bore should be marked properly to avoid mix-ups

## Culture Tubes

- Culture tubes which have been used previously must be sterilized before cleaning. The best general method for sterilising culture tubes is by autoclaving for 30 minutes at 121$^0$C (15 lb pressure). Media which solidify on cooling should be poured out while the tubes are hot.
- After the tubes are emptied, brush them with a suitable cleaning agent.
- Rinse thoroughly with tap water, rinse with purified water, shake out the water and dry in oven.
- After cleaning before the next use, the culture tubes need to be sterilized again.
- The culture tubes and culture medium can be sterilized together in one cycle or can be sterilized separately.
- In the latter case, the sterile medium can be filled in the sterile culture tubes aseptically.

## Serological Tubes

- Serological Tubes should be chemically clean but need not be sterile. However, specimens of blood which are to be kept for some time at room temperature should be collected in a sterile container. It may be expedient to sterilize all tubes as routine.
- To clean and sterilize tubes containing blood, discard the clots in a waste container and place the tubes in a large basket.
- Put the basket with others, in a large bucket or boiler. Cover with water, add a fair quantity of soft soap or suitable cleaning agent and boil for 30 minutes. Rinse the tubes and clean with brush, rinse and dry with the usual precautions.

Note: It is imperative when washing serological glassware that all acid, alkali and detergent be completely removed. Both acid and alkali in small amounts destroy complement and in larger amounts produce haemolysis. Detergents interfere with serologic reactions.
Serological tubes and glassware should be kept separate from all other glassware and used for nothing except serologic procedures.

Cleaning of New slides

- Put a drop of cleaning solution of the slide. This can be a detergent solution or diluted alcohol solution
- Apply the cleaning solution uniformly on both the sides of slide and clean the surface carefully with your fingers or using a lint-free microfibre towel
- Rinse thoroughly under running tap water until the cleaning solution is completely washed out
- Ideally a thoroughly cleaned slide should hold a layer of water uniformly over its surface. This indicates that the slide is cleaned properly. If the water layer is formed over the surface in blotches, repeat the cleaning
- After cleaning is done dry slide using a paper towel/ microfibre towel.
- Allow the slides to air dry for some time before using

Cleaning Used slides

- Place the used slide in a container full of warm water and detergent
- Leave the slide in this for at least ٥-٤ hours
- Clean the slide using a gauze by rubbing both the sides until they are free of the dirt, stains, oil, etc.
- Rinse thoroughly under running tap water until the cleaning solution is completely washed out
- Ideally a thoroughly cleaned slide should hold a layer of water uniformly over its surface. This indicates that the slide is cleaned properly. If the water layer is formed over the surface in blotches, repeat the cleaning
- After cleaning is done dry slide using a paper towel/ microfibre towel
- Allow the slides to air dry for some time before using

**Recalibration of volumetric glassware**

**Abstract: ASTM Standard E 452-01, Clause 4.2**

3.3 low expansion borosilicate volumetric glassware will hold its calibration indefinitely provided that it is not exposed to hydrofluoric acid, phosphoric acid, or strong, hot alkalis, and that it is not heated above 150°C when dry. A frosting of the glass surface (when viewed dry) indicates that chemical attack has occurred and recalibration may be in order. As a precaution, however, it is recommended that the glassware be recalibrated after 10 years of service regardless of its appearance.

# AUTOCLAVING OF GLASSWARE

Autoclaves are widely used to sterilise instruments, glassware and plasticware, solutions and media, and to decontaminate biological wastes. Due to the physical hazards (e.g. heat, steam and pressure) associated with autoclaving, extra care must be taken to use them safely. Each autoclave has unique characteristics and operating requirements. Please review and understand the owner's manual before using any autoclave for the first time, and every time thereafter. Also, please follow all the safety regulations for autoclaving, laid down by your institution.

## Autoclaving empty glassware

1. Place individual glassware vessels within a heat resistant plastic or metal tray on a shelf or rack.
2. Never place them directly on the autoclave base or floor
3. Always maintain space (>5 cm) between glass vessels to give them room to expand while heating, and to prevent them from hitting other vessels when entering or leaving the autoclave
4. Add water rising up to 1/4 to 1/2 inch in the tray, so that the glassware will heat more evenly
5. Large heavy glassware, such as 3L or larger spinner flasks 5L or larger bottles and carboys should have a small amount of distilled water placed inside them to help generate steam when they are being sterilised dry in an autoclave

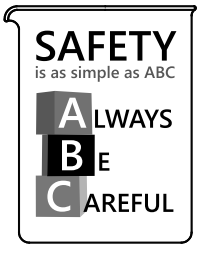
## Autoclaving glassware containing liquids

Never autoclave items containing corrosives (e.g. acids, bases, phenol), solvents or volatiles (e.g. ethanol, methanol, chloroform) or radioactive materials.

1. Fill the glassware only half full with the liquids to be sterilised.
2. Take into consideration, the volume of liquid to be autoclaved.
   For e.g. : 2-litre flask containing 1 litre of liquid takes much longer to sterilise than four 500 ml flasks, each containing 250 ml of liquid
3. Do a test run when autoclaving larger volumes of liquid, to make sure that the liquid has reached 121ºC
4. Always use the slow exhaust or liquid cool cycle when autoclaving liquids, to prevent the liquid from boiling over, causing loss of the contents
5. Suspend an autoclave thermometer with a thin wire, in the middle of the liquid-filled container to record the highest temperature reached. Then, check its reading after the autoclave run is complete. If the temperature is too low, then the run-time will need to be increased or the volume will need to be reduce
6. To prevent bottles from getting shattered during pressurisation, the caps of the vessels with liquids must be loosened completely before loading

## Safety during Autoclaving

*Always follow the safety precautions to protect yourself and the equipment being used.*




1. Be sure to wear the correct PPE including a lab coat, eye protection, closed-toe shoes, and heat-resistant gloves
2. Remember that after usage, glassware will be hot and can cause serious injury if the correct precautionary measures aren't taken
3. Always wait for the pressure gauge to drop to zero with zero time remaining before you open the door
4. Stand behind the door as you open it and allow all the steam to fully escape before reaching into the autoclave
5. Let glassware fully cool before touching them

| DO'S | DON'T'S |
|---|---|
| Wait for 5 minutes before removing dry glassware from the autoclave, and wait for 10 to 20 minutes before removing glassware containing liquids | Do not tighten caps on the vessels immediately after autoclaving<br>The cap or the vessel may get shattered due to the vacuum resulting from the cooling of the steam in the vessel |
| For non-liquid loads, please allow the glassware to cool for 15 minutes before touching it<br>For liquid loads, please allow the liquid to stand for a full hour before touching the glassware | Do not put hot glassware, especially large bottles, from an autoclave (or any other heat source) on to a cold bench top. The stress that is induced will often cause the base of the vessel to crack or fall off, releasing its hot contents |

# PERSONAL SAFETY

- Use tongs or asbestos gloves to remove any glassware from heat. Hot glass can cause severe burns.
- Protective gloves, safety shoes, aprons and gogglesshould be worn to safeguard against chemical accidents, spilling or splattering.
- Always flush the outside of the acid bottle with water before opening it. Do not place the stopper on the counter top, where someone else may come in contact with acid residue.
- Care should be taken when handling mercury. Even a miniscule amount of mercury in the base of a drawer can poison the atmosphere in an entire room. Mercury toxicity is cumulative and the element's ability to amalgamate with a number of metals is well known. Following any accident involving mercury, the area should be checked thoroughly to ensure that there are no globules remaining. All mercury containers should be kept well stoppered.
- Never drink from a beaker. A beaker intended specifically for the use of drinking is a hazard in the laboratory. Do not taste chemicals to identify them. Smell chemicals only when necessary, and only by wafting a small amount of vapour towards the nose.
- Avoid using a Pipette with the mouth, particularly when using concentrated acids, alkalis or potentially biohazardous materials. Use mechanical means, such as a rubber bulb or an automatic dispenser.
- Do not fill the receptacle with any material other than that mentioned on the label. Label all containers before filling. Discard the contents of any unlabelled containers.
- To prevent breakage when clamping glassware, do not permit glass-to-metal contact, and do not use excessive force to tighten the clamps.
- Do not look down into a Test Tube being heated or containing chemicals, and do not point its open end at another person. A reaction could cause the contents to be ejected suddenly, resulting in injury.
- Splattering from acids, caustic materials and strong oxidising solutions on the skin or clothing should be washed off Immediately with large quantities of water.
- When working with chlorine, hydrogen sulphide, carbon monoxide, hydrogen cyanide and other highly toxic substances, always use a protective mask. Alternatively, perform these experiments under a fume hood in a well ventilated area.
- In working with volatile materials, please keep in mind that heat causes expansion and confinement of such expansion results in explosion. Also remember that this danger exists even if external heat is not applied.
- Perchloric acid is particularly dangerous as it explodes when brought in contact with organic materials. Do not use perchloric acid around wooden benches or tables.
- Keep perchloric acid bottles on glass or ceramic trays with capacity that is adequate to hold all the acid in case the bottle breaks.
- When using perchloric acid, always wear protective clothing.
- When using hot plates and other electrical equipment,always ensure that the wire and plugs are in good condition. Do not handle an electrical connection with damp hands

# BOROSIL®

## CAUTION NOTICE

We, **BOROSIL LIMITED** (which was a wholly owned subsidiary of **Borosil Glass Works Limited** and formerly known as Hopewell Tableware Limited), a company registered under the Companies Act, 1956 and having its registered office at 1101, Crescenzo House, 44, Dr. R.G. Thadani Marg, Worli, Mumbai - 400018. are the owners and proprietor's of the Trademark **BOROSIL®,** which is a registered mark. Pursuant to NCLT Mumbai Bench order dated 15 Jan 2020, sanctioning a Composite Scheme of Amalgamation and Arrangement, the trademark **BOROSIL** which was earlier owned by BGWL has been vested in **BOROSIL LIMITED.**

The said, trademark **BOROSIL®** has been used in the market, to sell and export a wide variety of glassware products since more than 5(five) decades throughout India as well as several countries across the globe.

The Trademark **BOROSIL®** has acquired a very high reputation and goodwill by virtue of long, extensive and continuous use. The said trademark is associated and identified exclusively with the goods manufactured, marketed and sold by **BOROSIL LIMITED** (which was a wholly owned subsidiary of **Borosil Glass Works Limited** and formerly known as Hopewell Tableware Limited).

It has, from time to time come to our notice that some persons occasionally try to sell spurious goods by copying the **BOROSIL®** trademark and/or 'Borosil Logo' Borosil

The trade and public are cautioned that only products manufactured, marketed and sold by erstwhile **Borosil Glass Works Limited** and **BOROSIL LIMITED** are permitted to carry the trademark **BOROSIL®** or 'Borosil Logo' Borosil

Those who are deceiving the public by copying the Trademark **BOROSIL®** or 'Borosil Logo' Borosil or using it wrongly on products not made, marketed and /or sold by **Borosil Limited** (which was a wholly owned subsidiary of **Borosil Glass Works Limited** and formerly known as Hopewell Tableware Limited), will be prosecuted and **Borosil Limited** will adopt all legal recourse available to it, which may be Civil or Criminal in nature and may include police raids, to prevent such unauthorized use without giving further notice.

The Trade and Public are cautioned that they should always request for a bill on purchase of their products, as spurious goods are harmful and have dangerous and adverse effects to the life of the user as well as the nation.

We request you to bring to our attention any instances of such nefarious activities, which you may come across, we shall maintain the secrecy of you identify.

Correspondence in this connection may please be made at registered office address of the Company.

# PERIODIC TABLE OF THE ELEMENTS

## Love For Science

BY BOROSIL

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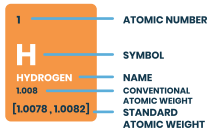


| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 H HYDROGEN 1.008 [1.0078 , 1.0082] | | | | | | | | | | | | | | | | | 2 He HELIUM 4.0026 |
| 3 Li LITHIUM 6.94 [6.938 , 6.997] | 4 Be BERYLLIUM 9.0122 | | | | | | | | | | | 5 B BORON 10.81 [10.806 , 10.821] | 6 C CARBON 12.011 [12.009 , 12.012] | 7 N NITROGEN 14.007 [14.006 , 14.008] | 8 O OXYGEN 15.999 [15.999 , 16.000] | 9 F FLUORINE 18.998 | 10 Ne NEON 20.180 |
| 11 Na SODIUM 22.990 | 12 Mg MAGNESIUM 24.305 [24.304 , 24.307] | | | | | | | | | | | 13 Al ALUMINIUM 26.982 | 14 Si SILICON 28.085 [28.084 , 28.086] | 15 P PHOSPHORUS 30.974 | 16 S SULPHUR 32.06 [32.059 , 32.076] | 17 Cl CHLORINE 35.45 [35.446 , 35.457] | 18 Ar ARGON 39.95 [39.792 , 39.963] |
| 19 K POTASSIUM 39.098 | 20 Ca CALCIUM 40.078 (4) | 21 Sc SCANDIUM 44.956 | 22 Ti TITANIUM 47.867 | 23 V VANADIUM 50.942 | 24 Cr CHROMIUM 51.996 | 25 Mn MANGANESE 54.938 | 26 Fe IRON 55.854 (2) | 27 Co COBALT 58.933 | 28 Ni NICKEL 58.693 | 29 Cu COPPER 63.546 (3) | 30 Zn ZINC 65.38 (2) | 31 Ga GALLIUM 69.723 | 32 Ge GERMANIUM 72.630 (8) | 33 As ARSENIC 74.922 | 34 Se SELENIUM 78.971 (8) | 35 Br BROMINE 79.905 [79.901 , 79.907] | 36 Kr KRYPTON 83.798 (2) |
| 37 Rb RUBIDIUM 85.468 | 38 Sr STRONTIUM 87.62 | 39 Y YTTRIUM 88.906 | 40 Zr ZIRCONIUM 91.224 (2) | 41 Nb NIOBIUM 92.906 | 42 Mo MOLYBDENUM 95.95 | 43 Tc TECHNETIUM | 44 Ru RUTHENIUM 101.07 (2) | 45 Rh RHODIUM 102.91 | 46 Pd PALLADIUM 106.42 | 47 Ag SILVER 107.87 | 48 Cd CADMIUM 112.41 | 49 In INDIUM 114.82 | 50 Sn TIN 118.71 | 51 Sb ANTIMONY 121.76 | 52 Te TELLURIUM 127.60 (3) | 53 I IODINE 126.90 | 54 Xe XENON 131.29 |
| 55 Cs CAESIUM 132.91 | 56 Ba BARIUM 137.33 | 57-71 LANTHANOIDS | 72 Hf HAFNIUM 178.49 (2) | 73 Ta TANTALUM 180.95 | 74 W TUNGSTEN 183.84 | 75 Re RHENIUM 186.21 | 76 Os OSMIUM 190.23 (3) | 77 Ir IRIDIUM 192.22 | 78 Pt PLATINUM 195.08 | 79 Au GOLD 196.97 | 80 Hg MERCURY 200.59 | 81 Tl THALLIUM 204.38 [204.38 , 204.39] | 82 Pb LEAD 207.2 | 83 Bi BISMUTH 208.98 | 84 Po POLONIUM | 85 At ASTATINE | 86 Rn RADON |
| 87 Fr FRANCIUM | 88 Ra RADIUM | 89-103 ACTINOIDS | 104 Rf RUTHERFORDIUM | 105 Db DUBNIUM | 106 Sg SEABORGIUM | 107 Bh BOHRIUM | 108 Hs HASSIUM | 109 Mt MEITNERIUM | 110 Ds DARMSTADTIUM | 111 Rg ROENTGENIUM | 112 Cn COPERNICIUM | 113 Nh NIHONIUM | 114 Fl FLEROVIUM | 115 Mc MOSCOVIUM | 116 Lv LIVERMORIUM | 117 Ts TENNESSINE | 118 Og OGANESSON |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 La LANTHANUM 138.91 | 58 Ce CERIUM 140.12 | 59 Pr PRASEODYMIUM 140.91 | 60 Nd NEODYMIUM 144.24 | 61 Pm PROMETHIUM | 62 Sm SAMARIUM 150.36 (2) | 63 Eu EUROPIUM 151.96 | 64 Gd GADOLINIUM 157.25 (3) | 65 Tb TERBIUM 158.93 | 66 Dy DYSPROSIUM 162.50 | 67 Ho HOLMIUM 164.93 | 68 Er ERBIUM 208.98 | 69 Tm THULIUM 168.93 | 70 Yb YTTERBIUM 173.05 | 71 Lu LUTETIUM 174.97 |
| 89 Ac ACTINIUM | 90 Th THORIUM 232.04 | 91 Pa PROTACTINIUM 232.04 | 92 U URANIUM 238.03 | 93 Np NEPTUNIUM | 94 Pu PLUTONIUM | 95 Am AMERICIUM | 96 Cm CURIUM | 97 Bk BERKELIUM | 98 Cf CALIFORNIUM | 99 Es EINSTEINIUM | 100 Fm FERMIUM | 101 Md MENDELIVIUM | 102 No NOBELIUM | 103 Lr LAWRENCIUM |

ALKALI METALS | ALKALINE EARTH METALS | TRANSITION METALS | BASIC METALS | SEMI-METALS | NONMETALS | HALOGENS | NOBLE GASES | LANTHANIDES | ACTINIDES

### Did you know?

**Dmitry Mendeleev discovered the periodic system 150 years ago. To commemorate this, 2019 has been proclaimed the International Year of the Periodic Table of Chemical Elements.**

BOROSIL®

**BOROSIL LIMITED**


CIN : L36100MH2010PLC292722

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