

BOROSIL®

enabling the future of science

PRICELIST 2020-21

Effective from 1st APRIL 2020



Manufacturers of Laboratory Glassware
From 3.3 Low Expansion Borosilicate Glass

LABQUEST
BY BOROSIL®

Manufacturers of Laboratory Equipment



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,

It gives me immense pleasure to present the first price list of a new decade. This is also the first year when we begin operations as a demerged entity "**BOROSIL LIMITED**". The removal of "Glass Works" from the name is a step towards our vision of being the most customer centric company in India. Our goal is to supply our customers, YOU, with a wide range of laboratory products. While glass has been and will remain our core competence, we are now very happy to also have our international standard "Labquest" range of laboratory instrumentation in our product portfolio.

Our **LABQUEST** range of instruments is designed to perform beautifully. These instruments are developed to the most exacting world standards at our 'Borosil Technologies Ltd' facility in Pune. Backed up by an all India service network, our goal is to provide our customers the option of an indigenously designed and produced, value for money instrumentation range that can be used as a substitute for imported equipment without any compromise in performance or reliability.

In Glassware, we've made major investments at our factories that'll help us serve you faster, especially for customized printing requirements. Our Class A volumetric wares are now all laser etched for improved visibility and easy traceability. In addition to this, the price list also has a number of new glassware product introductions, most of which have been suggested by our customers themselves.

The last 10 years have been very enriching; we've learnt a lot from our customers and have done our best to serve you better. We expect to continue to do the same in the decade to come.

Thank you for all your support!

Yours truly,

Shreevar Kheruka

Managing Director

BOROSIL®

an ISO 9001: 2015 certified company

BOROSIL LIMITED

1101, Crescenzo, G - Block, Opp. MCA Club, Bandra Kurla Complex,
Bandra (E), Mumbai - 400 051, India.

Phone : +91-22-6740 6300 Website : www.borosil.com

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

welcome to **BOROSIL®**

State of the art
manufacturing facility at Bharuch



Corporate Profile

The BOROSIL Group comprises of

- Borosil Limited
- Borosil Renewables Limited
- Klass Pack Ltd.

Borosil Limited was established in December 1962 in collaboration with Corning Glass Works, USA, to manufacture borosilicate low expansion glass. In December 1988, Corning divested its shareholding to the current Indian promoters, who have been leading manufacturers of sheet glass in India, since 1961.

BOROSIL is the market leader in laboratory glassware and microwavable kitchenware in India.



Scientific and Industrial Products (SIP) Division

Borosil's SIP division offers an entire gamut of the finest quality scientific and laboratory equipment through a pan India network of 150 dealers. This includes laboratory glassware, instruments, disposable plastics, liquid handling systems and explosion-proof lighting glassware. This range of over 2000 products finds application in across diverse disciplines such as Quality Control in pharmaceutical industries, food and soil testing, Microbiology, Biotechnology, Photo Printing, Process Systems and Lighting. Symbolising quality, accuracy and dependability since 6 Decades, Borosil has earned the trust and unwavering loyalty of leading pharmaceutical companies and R&D laboratories, as well as scientific, health and educational institutions.



Consumer Products Division

Borosil is India's most trusted glassware brand since 1962. Synonymous with heat-proof glassware, it is the market leader for consumer glassware in India.

Borosil's Consumer products aim at providing solutions for daily cooking, serving and storage needs of the consumer. In recent times, Borosil has expanded its consumer offering from its core glassware range to Opalware dinner sets (sold under the brand Larah), kitchen appliances, storage products, glass lunch boxes and stainless steel vacuum insulated flasks & bottles.

To cater to changing lifestyle needs and aspirations, Borosil has introduced a range of smart, practical and elegant Small Appliances, backed with Borosil's guarantee. These include Juicer Mixer Grinders, Hand Mixers, Oven Toaster Grillers, Toasters, Blenders and Rice Cookers. Moreover, to ensure that the user is never inconvenienced, each appliance is backed by our nation-wide customer service network.

Furthermore, Larah Opal glass products are a beautiful blend of elegance and performance, and are synonymous with Borosil's quest for perfection and excellence for over 50 years. Borosil has lent its expertise in glassware to this category making the products stronger and chip resistant. Contemporary designs, a range of sizes and colors coupled with the durability and toughness of the Opal glass result in this immaculately designed product with impeccable finish, to give the perfect dining experience.

For us, nothing is more important than the trust people place in us every time they welcome a Borosil product into their homes. Which is why, we don't just build products with utmost care but build them to make every day better. We do our best to ensure that our products always perform beautifully.

Visit www.myborosil.com for more details on products



Borosil Renewables Limited

Borosil Renewables Limited is the first and only solar glass manufacturer in India. The company spotted the opportunity in this segment quite early and commissioned the solar glass manufacturing facility at Bharuch in Indian State of Gujarat in January 2010. Over the last 5 years, the solar PV installations and module production across the world have grown exponentially. In order to cater to the growing demand, Borosil Renewables has recently expanded and more than doubled its existing production capacity of high performance solar glass to 2.4 GW per annum.

Borosil is the World's first and only producer of truly green, environment friendly, toxin free textured solar glass which is the most technically advanced glass in the world, with unique features of long term performance durability, high hydrolytic resistance, lowest sodium content & outstanding durability of AR coating

The company has a strong focus on innovation and known for its pioneering achievements like development of World's First fully tempered 2 mm thick solar glass, solar glass with lowest iron content giving highest glass efficiency, first company in the World to successfully be able to remove the most hazardous substance – "Antimony" - from its solar glass etc. Very recently the company has launched new products like Selene: an Anti-glare solar glass suitable for PV installations near airports, Shakti: a very high efficiency solar glass in matt-matt finish. Amongst the upcoming products with enhanced features is the solar glass with Anti-soiling coating.

The company has a strong focus on expanding its domestic & exports footprints. The exports business has grown at a CAGR of 33% in the last 3 financial years. European market is major customer base for the company where it has now successfully started supplies of its newly developed products, i.e. 2.0 mm and 2.5 mm fully tempered glass. With additional production now available, it has plans to substantially increase exports by tapping more customers in Europe as also increasing presence in the Americas.

Manufacturing facility is accredited with ISO 9001:2015, ISO 14001:2015 and BS OHSAS 18001:2007 certifications from TUV Rheinland. In-house laboratory is fully equipped with the latest and most advanced testing equipment to ensure top quality end product to the customer

Borosil Renewables Limited is a part of well-known Borosil group who are pioneers in speciality glass products.

To know more about the product, please email us on sales.lig@borosil.com

Or visit our website www.borosilrenewables.com



BOROSIL **KLASSPACK**

pharmaceutical packaging

Klass Pack Ltd., now a subsidiary of Borosil Limited, is one of India's leading manufacturers of Glass Ampoules and Tubular Glass Vials of USP Type 1 that is widely used as primary packaging materials by pharmaceutical companies for their life-saving drugs. The factory is located at Nasik, around 180 kms from Mumbai.

Klass Pack Ltd. was established in 1994 and quickly became a leader in the Pharmaceutical Packaging segment. Borosil acquired Klasspack in 2016 and combined its technological expertise in specialty glass production with Klasspack's experience in world class glass ampoule and tubular glass vial manufacturing to establish its leadership in the fast-growing Pharmaceutical Packaging segment.

Klasspack an ISO 15378 certified company has registered products under the US DMF governed by US FDA for both Glass Ampoules and Tubular Glass Vials, and Canadian DMF (Neutral Glass Tubular Vials and Neutral Glass Ampoules). It has a state-of-the-art technology with installed capacity of over 200 million Glass Ampoules and over 165 million Glass Vials annually.

Klasspack is focused on a knowledge-based approach towards product development, and has pioneered various studies in India on its glass containers such as extraction studies. A dedicated team handles product development and regulatory documentation, and can render technical support in glass ranging from laboratory-scale to commercial production scale.

Klasspack is staffed with one of the most dynamic and qualified teams in the industry. It has won over customers with its flexible approach towards product customization and packaging, and a customer centric approach. It has built a solid reputation for quality and transparency, and meeting delivery commitments consistently without fail.

With a presence in more than 15 countries that includes the U.S., Netherlands, Switzerland, Guatemala, Saudi Arabia, Greece, Israel, Romania, Malaysia, Indonesia, Bangladesh and Thailand, Klasspack intends to further enhance its market-leading position in India and across the world, and offer pharma majors a reliable partner to source their primary glass packaging.

Klass Pack Ltd.

(A subsidiary of Borosil Limited)
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www.klasspack.com

Registered Office

H-27, MIDC, Ambad, Nashik 422010, India
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Borosil Technologies Limited is located at Hinjewadi, Pune and is a 100% owned subsidiary of Borosil Limited. Borosil Technologies Limited is mandated to develop Laboratory equipment which is offered by Borosil Limited branded as Labquest.

BOROSIL®
TECHNOLOGIES

Borosil Technologies Limited is equipped with Industrial design, Mechanical design, Embedded, Electronic, Software design capabilities, modern Assembly lines, Prototyping facilities, Service Center and an Application Lab.

Products developed and produced by Borosil Technologies Limited include Water Baths, Dry Baths, Nitrogen Estimation Systems, Stirrers, Vortex Mixers, Glass care equipment.

All products are designed to be **SMART, RUGGED & PRACTICAL**



Borosil Technologies Ltd.

21-24, Plot no 8, India land Global Industrial Park,
Hinjewadi Phase - 1, Pune - 411057, India.



LAB  QUEST
BY **BOROSIL®**

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 **April 01, 2020**.

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.

factory and production

automatic blank manufacturing facility



- State-of-art auto blowing facility used to produce blanks with uniform wall thickness and ensure exact shape and dimension according to the standards.
- All the blanks are manufactured from 3.3 Low Expansion Borosilicate Glass with controlled Internal Diameter tubing.

unique annealing facility



- All **Borosil** glasswares pass through annealing Lehr chamber where the stresses are eliminated under controlled heating and cooling process
- This annealing process ensures the long lasting printing quality. In order to get highest level of precision, carefully controlled gradual heating and cooling procedures are essential

petri dish manufacturing facility



manufacturing facility at Tarapur



advanced printing technology



wall thickness measure



- High definition printing for accurate and easy reading

automated vial forming machine



our warehouses

Six warehouses with floor area more than 1,50,000 Sq. feet PAN india



17,000 sq feet warehouse
at MM Nagar, Chennai



BOROSIL is India's single largest manufacturer of a complete range of Volumetric Glassware. Borosil's Volumetric products are used in all laboratories from high-end pharmaceutical production companies to high schools and colleges.

BOROSIL adheres to the highest quality standards, right from the raw material used to the measurement and calibration of the finished product. Visual and physical quality checks are undertaken at each stage of production, in order to ensure the highest quality product for customers.

BOROSIL ensures that every Volumetric Glassware product is of the highest quality in the following parameters:

1. **Accuracy** : Please see 'Calibration Process' for a detailed understanding of how Borosil Volumetric Glassware is the most accurate in the world.
2. **Mechanical Strength** : All Borosil laboratory glassware products are annealed in a special chamber wherein the stress as developed during the manufacturing process is eliminated with a controlled heating and cooling process. Moreover, Borosil's production processes ensure uniform wall thickness across all products, thereby enhancing their mechanical strength.
3. **Thermal Shock Resistance** : The annealing process further ensures that Borosil products are free of residual stress. The uniform wall thickness of Borosil products prevents damage owing to repeated heating and cooling in laboratories.
4. **Chemical Durability** : All Borosil laboratory glassware products are manufactured using 3.3 low expansion ASTM E-438, USP Type 1 Class A borosilicate glass. This glassware, by nature, is resistant to attack from acids, salt solutions and organic solvents.

calibration process



Computer controlled automatic calibration machine with optical laser beams to prevent human error and ensure highest level of accuracy and precision

BOROSIL performs the calibration process with fully automatic state-of-the-art calibration machines that eliminate any possibility of human error. This also ensures a high degree of repeatable measurements for all Borosil Volumetric products.

BOROSIL has an in-house set-up of a well-equipped temperature-controlled calibration laboratory with precision electronic balances, thermometers and stopwatches that are traceable to national standards. Calibration of Volumetric Glassware is entrusted to only trained and experienced technicians.

The following steps are carried out by highly precise, fully automated computer-controlled machines:

1. Filling the Volumetric blanks with a precisely-defined amount of de-mineralized water under controlled temperature.
2. The meniscus is determined with a laser-controlled camera at the exact lowest point of the water level, and the calibration mark is made with a fine diamond wheel. This gives accuracies that cannot be achieved by manual calibration.
3. Cylinders, Burettes and Pipettes are marked at a minimum of two calibration points.
4. The wet surface area factor is always taken into account, throughout the process.
5. The calibration laboratory is temperature, light controlled and temperature is maintained at $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

All Volumetric Glassware is calibrated either as

To contain TC / In

The contained quantity of liquid corresponds exactly to the capacity indicated on the article (e.g. graduated cylinders and volumetric flasks).

To deliver TD / Ex

The delivered quantity of liquid corresponds exactly to the capacity indicated on the article. (e.g. pipette and burettes).

These steps ensure that each and every Volumetric product leaving the **BOROSIL** facility meets the highest international standards and can be used for various purposes with the highest degree of repeatability and accuracy.



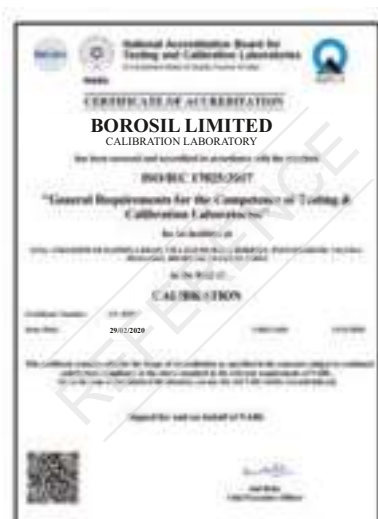


NABL certified products

In this catalogue, we present the complete range of Borosil products that are available with a Calibration Certificate issued by the NABL-accredited laboratory.

In certain critical areas, it is mandatory that representative samples of Volumetric products used by the laboratories be sent to NABL-accredited laboratories for testing of the calibration.

With the establishment of our own facility, our customers can now get the products certified by our laboratory directly, without sending them to other laboratories, saving a considerable amount of time and cost.



ISO certification



- Developed with today's complex marketplace in mind, ISO 9001:2015 provides an integrated approach to quality management – putting quality at the heart of business.
- ISO 9001 is a quality management system, implementing a systematic and process driven approach to managing our business.
- A Quality Management System is what ensures a business' products or services meets a certain level of quality; that is, they are reliable, safe, consistent, meet customer expectations, continuously improve and comply with the law.

Individual calibration certificate



Now ACCESS your
BOROSIL glassware certification
from anywhere, anytime.....



Download the **BOROSIL®** app



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



Rain water harvesting has been deployed in our 110 acre facility in Gujarat, since 2003.

Wind energy is the source of 48% of all the electricity that we consume.

Our Borosolar water heating systems are used to heat the water supplied in all Borosil Guesthouses and Colonies.

Our other energy efficient measures include advanced waste heat recovery systems and solar lighting.

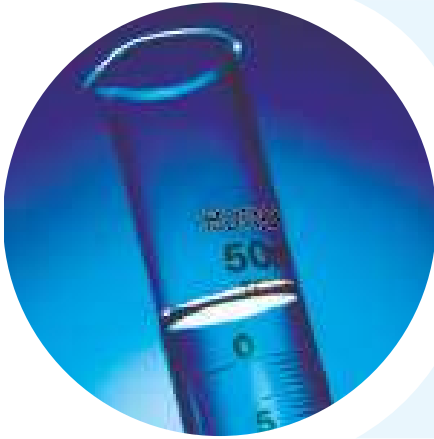
Our in-house 9 hole par 36 Golf Course is maintained by using the water from our rain water harvesting initiative.

We nurture

Borosil supports and runs a school, for children from neighbouring villages and employees' children.

Borosil proposes to open a hospital in the near future.





ACCURACY

- Computer Controlled Calibration
- Reliability in experiments through individually certified volumetric glassware
- Facilitates audit procedures in the laboratory
- Enhanced production from new facility



MECHANICAL STRENGTH

- Optimum wall thickness
- Annealed glassware imparts better mechanical strength
- Ideal for vacuum application, wet and dry sterilization
- Harder, hence lasts longer



THERMAL SHOCK RESISTANCE

- Safely withstands thermal shock
- Annealed to remove residual thermal Stress
- Thinner, uniform wall, hence lasts longer



CHEMICAL DURABILITY

- High resistance to attack from acids, salt solutions and organic solvents
- Low alkalinity, hence less leaching
- Low alkalinity makes glass harder, hence lasts longer

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.

Borosil glass is a low alkali borosilicate Type 3.3 glass. Its typical chemical composition is given below. It is virtually free from the Magnesia-Lime-Zinc group, and is also completely free of arsenic and other heavy metals.

	Approx % by weight
SiO ₂	81
B ₂ O ₃	13
Na ₂ O / K ₂ O	4
Al ₂ O ₃	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 x10⁻⁷ cm / cm / °C
Strain Point	515°C
Annealing Point	565°C
Softening Point	820°C
Specific Heat	0.2
Thermal Conductivity (Cal / cm³ / °C / sec)	0.0027

Chemical Data

BOROSIL 3.3 Glass is highly resistant to water, neutral and acid solutions, concentrated acids and acid mixtures, and to chlorine, 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 °C. 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 down 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)	S 1
Alkali Class (ISO 695)	A 2

Safe Use of Glassware

Borosil laboratory apparatus is designed to perform efficiently and last long, provided it is used with proper care. The following notes are presented to assist users in deriving the maximum life and performance from their Borosil apparatus.

The following precautions will assist in preventing failures during heating and cooling procedures.

- Do not leave the vessel unattended when evaporation work is being carried out. The vessel may crack or explode as the 'dryness' condition approaches and if the heat source is not adjusted correctly. Decrease the temperature gradually as the liquid level drops.
- Always stay cautious when removing glassware from a heat source. Avoid placing it on a cold or damp surface.
- Even though glassware can withstand extreme temperatures, please keep in mind that sudden temperature changes may cause the vessel to break.
- Always cool vessels slowly to prevent thermal breakage.
- Never apply heat to badly scratched or etched vessels as their thermal strength would have been greatly reduced.
- Never apply point source heating to a vessel; it increases the possibility of breakage.
- All laboratory glassware will withstand to thermal shock of 120°C
- Always diffuse the heat source by using a metal gauze or air/water bath. Alternatively, move the vessel slowly in relation to the heat source to ensure even heating.



- Adjust the Bunsen Burner to get a large, soft flame. It will heat slowly, but uniformly. Uniform heat is a critical factor for some chemical reactions.
- Ensure that the flame is in contact with the vessel below the liquid level. Heating above this level may result in breakage of the vessels.
- Always use anti-bumping devices in the vessel, such as powdered pumice or glass wool, when the vessel and its contents are required to be heated rapidly.
- Never use any material with sharp edges, such as broken porcelain, as an anti-bumping device. This will cause internal abrasions and reduce the mechanical and thermal strength of the vessel.
- Thick-walled glassware should not be subjected to direct flame or any other localised heat source. An electric immersion heater is ideally used for heating vessels of this type.
- Thick-walled glassware should not be subjected to direct flame or any other localised heat source. An electric immersion heater is ideally used for heating vessels of this type.
- Avoid heating glassware over electric heaters with open elements. Uneven heat of this type can induce localised stress and increase the possibility of breakage.
- Always keep in mind that a hot plate will retain heat long after the appliance has been switched off.
- Always ensure that the surface of the hot plate is larger in area than the base of the vessel being heated. A plate that is under-sized for the job at hand will result in uneven heating and may even cause breakage of the glassware.
- Always ensure that manufacturer's instructions are followed when using electrical heat sources.

Mixing and Stirring

- 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 inside of the vessel.
- When using 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.
- Never mix sulphuric acid and water inside a glass measuring cylinder. The heat caused by the reaction can break the base of the cylinder.

Vacuum and Pressure

- Never use glassware beyond the recommended safe limit.
- Always use a safety screen when working with glassware subjected to pressure or vacuum. Never subject glassware to sudden pressure changes.
- Apply and release positive or negative pressures gradually.
- Laboratory Bottles are not recommended for use under pressure or vacuum, unless otherwise specified.

Joining and Separating Glass Apparatus

- When storing glass stopcocks and joints, insert a thin strip of paper between the joint surfaces to prevent them from sticking.
- Do not store stopcocks with lubricants on the ground surfaces for long durations.
- Glass stopcocks on Burettes and Separating Funnels require frequent lubrication to prevent them from sticking.
- If a ground joint sticks, separation can usually be achieved 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. Using penetrating oil facilitates separation.
- 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.
- Three types of lubricants are commonly used on standard taper joints.
 - (a) Hydrocarbon grease is the most widely used. It can be removed easily by most laboratory solvents, including acetone.
 - (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.
 - (c) For long-term reflux or extraction reactions, a water-soluble, organic and insoluble grease such as glycerin, is suitable. Glycerin can be removed by means of water.
- When inserting glass tubing into a bung, it is recommended to use water, oil or glycerol on both, the tubing as well as the rubber bung. Always wear heavy protective gloves or similar protection when carrying out this operation.
- Always fire-polish the rough ends of the glass tubing before attempting to insert it into flexible tubing. The lubricants recommended above may also prove useful.
- Never attempt to pull a thermometer out of a rubber bung; always cut the bung away.

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 goggles should 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 bio-hazardous 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.

Cleaning :

Cleaning of new glassware: New glassware is slightly alkaline in reaction. New glassware 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.

Follow the procedure of cleaning as given below.

- **Cleaning of regular glassware :** Remove the content of glassware before washing. Remove all markings / sticker labels from the glassware. Glassware should be brought to ambient temperature before subjecting them for cleaning, if they are heated or cooled during analysis. Rinse with water and then soak the empty glassware in a basin / tub containing Suitable cleaning agent or any suitable detergent solution for about half an hour. Scrub all the parts of glassware thoroughly with brush impregnated with 0.1% Suitable cleaning agent. Brush should be selected as per the shape and size of the glassware. Brushes should always be in good condition to avoid any abrasion of the glassware. Do not use brushes with metallic bristles vigorously as it may form scratches on the surface. After applying cleaning agents thoroughly rinse glassware with tap water ensuring that containers are partly filled with water, shaken horizontally and vertically and emptied several times for effective cleaning. It is very important that all soap detergents and other cleaning fluids be removed from glassware before use. Finally rinse the glassware with purified water. Dry glassware in a drying oven at temperature at 60°C and store in a designated place.
- Glassware used for sticky, waxy or greasy material should be rinsed initially with acetone or hot water with detergent in which the material residue dissolves and then to be cleaned as per cleaning procedure.
- Glassware used for water immiscible solvents should be initially rinsed with acetone or suitable solvent.
- To remove precipitate materials or unduly clouded or coagulated organic matter from glassware apply hot nitric acid for effective cleaning.
- Strong alkali should not be used for cleaning of glassware. Also use of Chromic acid, sulphuric acid mixture is not recommended because of hazardous and toxic nature of the material.
- If glassware is exceptionally dirty, a cleaning powder with a mild abrasive action can be applied provided the surface is not scratched.
- Glassware required for total organic carbon (TOC) analysis should be scrupulously cleaned of organic residue. This can be achieved by rinsing glassware with hot nitric acid, followed by rinsing with purified water. Preferably such glassware should be maintained separately (away from organic solvents and materials) and to be dedicated for TOC determination analysis only.
- If the glassware is used for analysis of potent material such as steroids, hormones or cytotoxic, soak the glassware in suitable deactivating agent. After deactivation, clean as per cleaning procedure



Pipettes cleaning :

- ◆ Place 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 the Pipettes useless for taking accurate measurements. 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 tap 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.
- ◆ In laboratories where a large number of Pipettes are used everyday, it is convenient to use an automatic Pipette washer.
- ◆ After drying, place the Pipettes in a dust-free drawer. Wrap serological and bacteriological Pipettes in paper 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.

Burettes cleaning

- ◆ Remove stopcock key and 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.
- ◆ Wash the stopcock key separately. 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. Remember that burette stopcock keys are not interchangeable.
- ◆ Always cover tip of burettes with butter paper or aluminium foil, when not in use.
- ◆ Please note glass stopcocks are not interchangeable.
- ◆ The glass key and burette bore should be marked properly to avoid mixup.

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°C (15 lb pressure). Media which solidify on cooling should be poured out while the tubes are hot. After the tubes are emptied, brush with Suitable cleaning agent. Rinse thoroughly with tap water, rinse with purified water, shake out the water and dry in oven.
- ◆ If tubes are to be filled with a medium which is sterilized by autoclaving, do not plug until the medium is added. Both medium and tubes are thus sterilized with one autoclaving.
- ◆ If the tubes are to be filled with a sterile medium or if they are to be sterilized by the fractional method sterilize the tubes in the autoclaves or dry air sterilizer before adding the medium.

Serological Tubes (Test 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.
- ◆ 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 hemolysis. Detergents interfere with serologic reactions.
- ◆ Serological tubes and glassware should be kept separate from all other glassware and used for nothing except serologic procedures.



Application Note

- 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 BOROSIL Glassware

- Borosil recommends the following safety practices when autoclaving laboratory glassware:
- Never autoclave items containing corrosives (e.g. acids, bases, phenol), solvents or volatiles (e.g. ethanol, methanol, chloroform) or radioactive materials.
- Place individual glassware vessels within a heat-resistant plastic or metal tray on a shelf or rack. Never place them directly on the Autoclave base or floor. 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. Add water rising up to 1/4 to 1/2 inch in the tray, so that the glassware will heat more evenly.
- Check any plastic caps, tubing or other items to ensure they can be safely autoclaved with the glassware.
- Fill the glassware only half full with the liquids to be sterilised. Take into account, the volume of liquid to be autoclaved. A 2-litre flask containing 1 litre of liquid takes much longer to sterilise than four 500 ml flasks, each containing 250 ml of liquid.
- Do a test run when autoclaving larger volumes of liquid, to make sure that the liquid has reached 121°C.
- 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.
- 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 reduced.

- To prevent bottles from getting shattered during pressurisation, the caps of the vessels with liquids must be loosened completely before loading. Always use the slow exhaust or liquid cool cycle when autoclaving liquids, to prevent the liquid from boiling over, causing loss of the contents.
- Never autoclave a sealed vessel containing liquids as this may result in an explosion of the super-heated liquid and steam during the cycle, or when the vessel is opened.
- Wear heat-resistant gloves when opening the Autoclave door after a cycle. When removing items from an Autoclave, at least a rubber apron, rubber sleeve protectors and heat-resistant gloves should be worn.
- Wait for 5 minutes before removing dry glassware from the Autoclave, and wait for 10 to 20 minutes before removing glassware containing liquids. The larger the volume of liquid, the longer you should wait. Liquids removed too soon may boil and overflow from the vessel, causing burns to the operator.
- Do not tighten caps on the vessels immediately after autoclaving as the cap or the vessel may get shattered due to the vacuum resulting from the cooling of the steam in the vessel. This is particularly important for larger vessels. Caps with liners may have their liner sucked into the vessel if the cap on the vessel opening is not loose enough.
- 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.
- For non-liquid loads, please allow the glassware to cool for 15 minutes before touching it with ungloved hands.
- For liquid loads, please allow the liquid to stand for a full hour before touching the glassware with ungloved hands. Ensure that others in the vicinity are aware of the presence of a heat hazard.

Cleaning validation of laboratory glassware:

As per USP – NF General Chapter 1051 (Cleaning Glass Apparatus), it is important to verify that the cleaning procedure is appropriate for the particular test or assay being undertaken. This can be accomplished in a number of ways, including use of experimental controls or verification of cleaning by utilization of residue/ residual testing to ensure removal of any potential contaminants.

It is recommended that Cleaning Validation of the laboratory glassware is to be performed once in a year to ensure effectiveness of cleaning procedure to remove residue of drug substances as well as cleaning agent used.

BOROSIL®

enabling the future of science

A legacy over
50 years

BOROSIL®

Laboratory
glassware



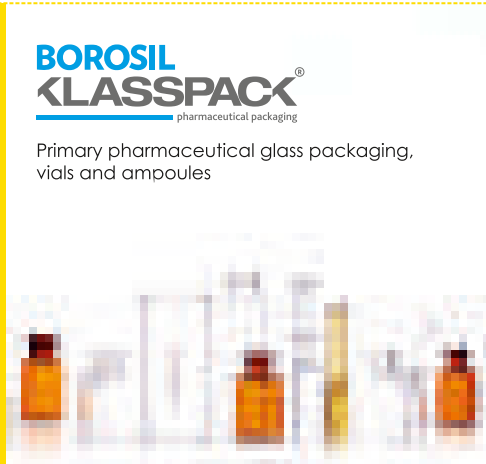
LABQUEST
BY BOROSIL®

Laboratory equipment



**BOROSIL
KLASSPACK®**
pharmaceutical packaging

Primary pharmaceutical glass packaging,
vials and ampoules



Beakers

Whether it is research, industry or education, the Beaker has a wide range of applications. This simple container, used for stirring and mixing liquids, is also ideal for heating them. Controlled wall thickness at the sides, radius and the base, ensures a fine balance between the thermal resistance and mechanical strength, to enable effective heating. Many Beakers also have a spout that makes pouring easier and more precise.

BOROSIL® Glasswares are best-in-class products with several advantages. They have a high level of thermal shock resistance and a high operating temperature. Besides using USP type I borosilicate glass constant quality control checks are conducted throughout the production process to ensure uniformity of the wall thickness. Such uniform wall thickness distribution prevents uneven expansion and stressing of the glass that often results in a failure.

Beakers are mainly used as heating vessels. The tall-shape design of the Beaker is ideal for heating in a liquid bath, especially when the contents need to be kept distinctly apart from the surrounding medium or materials.

BOROSIL® brand Low form Beaker (Cat No. 1000) and **BOROSIL®** brand Tall Form Beaker (Cat No. 1060) are two popular styles used for storage and mixing.

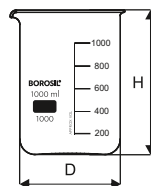
BOROSIL® offers full range of beakers to suit every application.



1000 - BEAKERS

Low form Beakers with spout

- Complies with IS 2619 / EN ISO 3819 and DIN 12331
- The spout design enables clean and precise pouring
- Uniform wall thickness distribution makes it ideal for heating liquids
- The easy-to-read scale and large labelling field makes marking easier
- High resistance to chemical attack



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
1000005	5*	22 x 30	20	113.00
1000006	10*	26 x 35	20	113.00
1000009	25	34 x 50	60	113.00
1000D12	50	42 x 60	60	76.00
1000D16	100	50 x 70	40	81.00
1000D18	150	60 x 80	40	81.00
1000D21	250	70 x 95	40	86.00
1000D23	400	80 x 110	40	140.00
1000D24	500	83 x 115	40	135.00
1000D25	600	90 x 125	40	178.00
1000028	800	100 x 135	20	281.00
1000D29	1000	105 x 145	20	281.00
1000D30	2000	130 x 185	6	556.00
1000D31	3000	150 x 210	4	1447.00
1000D33	5000	170 x 270	4	2128.00
1000D38	10000	220 x 350	1	6599.00

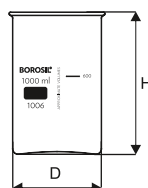
25ml to 10000ml Graduated.

* 5 ml and 10 ml Beakers are not graduated.

1006 - BEAKERS

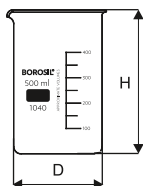
Tablet Disintegration

- It has a large labelling field that enables easy marking
- Specially designed for Tablet disintegration machine



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
1006029	1000	105 x 145	10	367.00



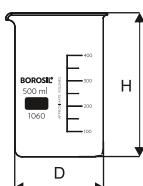


1040 - TALL FORM BEAKER

Without Spout

- Complies with IS 2619 / EN ISO 3819 and DIN 12331
- Graduated to indicate the approximate content
- The easy-to-read scale and large labelling field make marking easier
- Uniform wall thickness distribution makes it ideal for heating liquids
- This beaker is designed without a pouring spout

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
1040012	50	38 x 70	40	135.00
1040016	100	48 x 80	40	140.00
1040018	150	54 x 95	40	151.00
1040021	250	60 x 120	40	140.00
1040024	500	80 x 140	20	200.00
1040025	600	80 x 150	20	265.00
1040028	800	90 x 175	20	313.00
1040029	1000	95 x 180	20	389.00

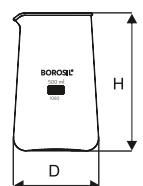


1060 - BEAKERS

Tall Form, with Spout

- Complies with IS 2619 / EN ISO 3819 and DIN 12331
- Uniform wall thickness distribution makes it ideal for heating liquids
- Graduated to indicate the approximate content
- All sizes are equipped with a durable matt-finished enameled space for marking
- This Beaker is designed with a pouring spout

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
1060012	50	38 x 70	40	140.00
1060D16	100	48 x 80	40	146.00
1060018	150	54 x 95	40	151.00
1060D21	250	60 x 120	40	146.00
1060D24	500	80 x 140	20	200.00
1060025	600	80 x 150	20	313.00
1060028	800	90 x 175	20	367.00
1060D29	1000	95 x 180	20	394.00



1080 - BEAKERS

Phillips (Conical) with Spout

- Its mouth is smaller in diameter than its base
- The Phillips Beaker is ideal for measuring, containment, mixing and decanting
- Conical shape (Phillips pattern) with spout
- Excellent thermal performance and chemical resistance

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
1080021	250	68 x 110	40	637.00
1080024	500	88 x 145	40	794.00

BOROSIL[®]

Laboratory Bottles



Borosil laboratory bottles are widely used because of consistent performance from the highest quality

Retrace Code

For easy traceability



1501
Retrace Code
V28011Q

Square Bottles

To meet all your storage needs



Smaller Bottles

Storage of expensive, sensitive media & reference samples



GL 45 Screw Caps

The caps are available in different colours for easy identification



Bottles

Bottles have multiple uses, as Aspirator, Reagent and Solution Bottles. Bottles are not used for direct heating purpose. They are designed with heavier wall thickness, making them mechanically stronger to withstand wet or dry sterilisation. The high chemical durability of the glass ensures that most of the reagents can be stored in these bottles for long durations in almost the same condition. Plain Neck Solution Bottles are designed to have a uniform rubber stopper fit. Roux Bottles have flat surfaces and are widely used for culture growth.

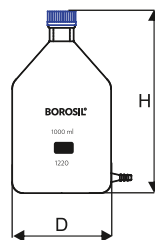
The outstanding **BOROSIL®** quality provides capabilities for a wider range of functions, from long-term storage to the most demanding applications in the pharmaceutical industry.



1220 - ASPIRATOR BOTTLES

With GL 45 Cap and Tubulation

- Complies with IS 1388 (Part III), EN ISO 4796-3
- Complete with PP screw cap and pouring ring
- Suitable for storage of aggressive media
- All sizes have a durable matt-finished enamelled area for marking



Product Code	Capacity ml	Approx O.D. x Height*	Thread Specification	Quantity Per Case	Price / Piece ₹
1220021	250**	70 x 140	GL 45	10	367.00
1220024	500**	86 x 176	GL 45	10	410.00
1220029	1000	101 x 225	GL 45	10	748.00
1220030	2000	136 x 260	GL 45	5	1216.00
1220033	5000	181 x 330	GL 45	1	6683.00
1220038	10000***	235 x 410	GL 45	1	11523.00
1220040	20000***	296 x 505	GL 45	1	20944.00

**Not covered in ISO / DIN standards.

*Height indicated is of Bottle only

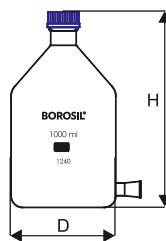
***As per Borosil dimension



1240 - ASPIRATOR BOTTLES

With GL-45 Cap and Socket outlet for stopcock

- Complies with IS 1388 (Part III), EN ISO 4796-3
- Complete with PP screw cap and pouring ring
- Suitable for storage of aggressive media
- All sizes have a durable matt-finished enamelled area for marking



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	24 / 29	10	950.00
1240030	2000	136 x 260	GL 45	29 / 32	5	1366.00
1240033	5000	181 x 330	GL 45	29 / 32	1	7889.00
1240038	10000***	235 x 405	GL 45	29 / 32	1	11178.00
1240040	20000***	296 x 500	GL 45	29 / 32	1	21060.00

*Height indicated is of Bottle only

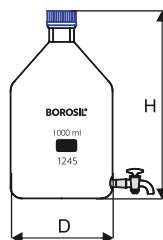
***As per Borosil dimension



1245 - ASPIRATOR BOTTLES

With GL 45 Cap and Interchangeable Glass Stopcock

- Complies with IS 1388 (Part III), EN ISO 4796-3
- Complete with PP screw cap and pouring ring
- Suitable for storage of aggressive media
- All sizes have a durable matt-finished enamelled area for marking



Product Code	Capacity ml	Approx O.D. X Height* mm	Thread Specification	Outlet Ground Joint Size	Quantity Per Case	Price / Piece ₹
1245029	1000	101 x 225	GL 45	24 / 29	10	2646.00
1245030	2000	136 x 260	GL 45	29 / 32	4	3121.00
1245033	5000	181 x 323	GL 45	29 / 32	1	10357.00
1245038	10000***	235 x 410	GL 45	29 / 32	1	14175.00
1245040	20000***	296 x 500	GL 45	29 / 32	1	19224.00

*Height indicated is of Bottle only

***As per Borosil dimension





1250 - B.O.D. BOTTLES

With Interchangeable glass stopper and plastic cap

- Complies with IS 9213
- Used for determination of B.O.D. in industrial effluents, waste and water
- Provided with plastic cap to avoid evaporation
- Individual number printed on the bottle

Product Code	Capacity ml	Approx O. D. x Height* mm	Quantity Per Case	Price / Piece ₹
1250013	60**	42 x 100	10	416.00
1250017	125**	55 x 120	10	513.00
1250022	300	70 x 143	30	599.00

*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 and is numbered individually.



1290 - ROUX BOTTLES

Bottles Off-Set Neck

- Complies with IS 6942
- The offset neck is tool-finished for greater strength and uniform stopper fit
- These bottles facilitate the growing of mass cultures and single or monolayer cultures
- It withstands repeated sterilisation (wet or dry)

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	26	20	1615.00

Borosil Reagent Bottles

Borosil Laboratory bottles are chemically resistant and stable. When fitted with a plastic pouring ring dripping can be totally eliminated. As there is only one size of screw thread for all bottles from 100 ml onwards, the screw caps and pouring rings are fully interchangeable. The bottles, pouring rings and caps are autoclavable and sterilizable.

Properties :

Light protection :

- Amber bottles : Protects media from light radiation with a wave-length between 300 nm and 500 nm

Safe closure ensures storage of products such as

- Dairy products
- Serums

High resistance to thermal shock (upto 140°C)

HANDLING :

Sterilization :

Bottles can be steam sterilized after washing. Following are recommendation and guidelines.

- Soiled bottle must be cleaned first, otherwise microorganism cannot be effectively destroyed and chemicals adhering to surface can damage it as a result of high temperature involved.

- To prevent pressure build in bottle, the screw cap should be left loose on the bottle neck (one turn maximum). It should not be closed tight as the pressure built up at higher temperatures should be released to prevent the bottle from breakage.
- Ensure that saturated steam is used and that it has unhindered access to all contaminated places. This is the only way to achieve effective steam sterilization.

Thawing frozen substances :

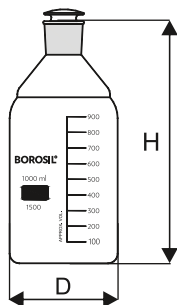
The frozen material can be thawed by immersing the bottle in liquid bath taking care that the temperature difference does not exceed 100 degree C. This will ensure that the frozen material is heated uniformly from all sides without damaging the bottle. It can however also be thawed slowly so that the surface melts first, allowing the material to expand.

Freezing substances

Recommendation: When freezing, always place the bottles at an angle approx. 45°C and do not fill to more than capacity (to increase surface area). Temperature limit - 40°C as the plastic caps and pouring ring do not withstand lower temperatures.



Borosil laboratory bottles are widely used because of consistent performance & better quality.



1500 - REAGENT BOTTLES

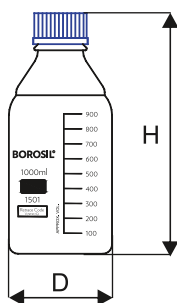
Plain Narrow Mouth, Graduated with Inter-changeable Flat Head Glass Stopper

- Complies with IS 1388 (Part II), EN ISO 4796 - 2
- These narrow mouth reagent storage bottles have a sturdy ground neck
- All sizes have a durable matt-finished enamelled area for marking
- These bottles are mechanically strong and chemical resistant
- Supplied with solid glass stopper

Product Code	Capacity ml	Approx O.D. x Height mm	Neck Stopper Size	Quantity Per Case	Price / Piece ₹
1500013	60**	45 x 90	14 / 23	40	350.00
1500016	100	56 x 105	14 / 23	10	386.00
1500017	125**	56 x 145	19 / 26	50	330.00
1500021	250	70 x 145	19 / 26	10	366.00
1500024	500	86 x 180	24 / 29	10	386.00
1500029	1000	100 x 230	29 / 32	10	618.00
1500030	2000	136 x 255	34 / 35	10	1138.00

- *Height indicated is of Bottle only

- ** 60 & 125 ml is not covered in standards



1501 - REAGENT BOTTLES

Graduated With Screw Cap and Pouring Ring

- Complies with IS 1388 (Part I), EN ISO 4796 - 1
- These bottles are mechanically strong and chemical resistant
- Designed with plastic pouring ring for drip-free operation
- The screw caps and pouring ring are made of PP
- The bottles, screw caps and pouring rings can be sterilized and autoclavable
- Printed with a Retrace Code
- 100 ml to 20000 ml Bottles have uniform GL 45 thread

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	415.00
1501009	25#	36 x 70	GL 25	20	276.00
1501012	50	46 x 87	GL 32	20	317.00
1501016	100	56 x 100	GL 45	10	328.00
1501018	150**#	60 x 120	GL 45	10	352.00
1501021	250	70 x 140	GL 45	10	338.00
1501024	500	86 x 176	GL 45	10	364.00
1501029	1000	101 x 225	GL 45	10	567.00
1501030	2000	136 x 260	GL 45	10	1014.00
1501031	3000**	158 x 295	GL 45	2	4757.00
1501033	5000***	183 x 323	GL 45	1	5707.00
1501038	10000***	235 x 405	GL 45	1	10318.00
1501040	20000***	296 x 500	GL 45	1	17567.00

- *Height indicated is of Bottle only

- # Without Pouring Ring

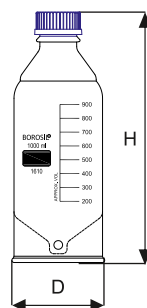
- ** Not covered in any standard

- *** As per Borosil Dimension

1610 - HPLC MOBILE PHASE BOTTLES

Conical Bottom

- Manufactured from 3.3expansion, low extractable borosilicate glass conforming to USP Type I, Class A requirements
- Chemically inert glass prevents leaching of any extractable into the mobile phase solvents
- Conical bottom delivers all of solvent without reservoir tilting
- Supplied with GL-45 screw thread.

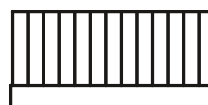


Product Code	Capacity ml	Approx O.D. x Height* mm	Thread Specification	Quantity Per Case	Price / Piece ₹
1610029	1000	101 x 225	GL 45	10	2000.00
1610030	2000	136 x 260	GL 45	10	3200.00
1610031	3000	166 x 370	GL 45	2	6450.00
1610033	5000	183 x 323	GL 45	1	8500.00

1503 - SCREW CAP

with Pouring ring for Screw Cap Bottles

- Caps and pouring rings are made of PP (Polypropylene) and are auto-clavable upto 140°C

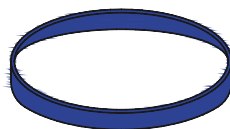


Product Code	Colour Description	Thread Specification	Quantity Per Case	Price / Piece ₹
1503C01	Blue	GL 45	10	81.00
1503C02	Orange	GL 45	10	86.00
1503C03	Yellow	GL 45	10	86.00
1503C04	Green	GL 45	10	86.00
1503C05	Grey	GL 45	10	86.00
1503C06	Blue	GL 25	10	76.00
1503C07	Blue	GL 32	10	76.00
1503C08	Blue	GL 36	10	76.00

1504 - POURING RING

Blue Colour

- Pouring rings are made of PP (Polypropylene) and are autoclavable



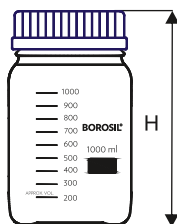
Product Code	Colour Specification	Thread Specification GL	Quantity Per Case	Price / Piece ₹
1504R01	Blue	GL - 45	10	32.00



1505 - RED SCREW CAP

with Pouring ring for Laboratory bottles,
auto -clavable upto 200°C

Product Code	Colour Specification	Thread Specification	Quantity Per Case	Price / Piece ₹
1505C01	Red	GL - 45	10	525.00



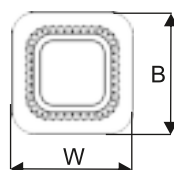
1506 - REAGENT BOTTLES

Square with DIN Thread, Graduated, with PP Screw Cap
(GL 80) and PP Pouring Ring

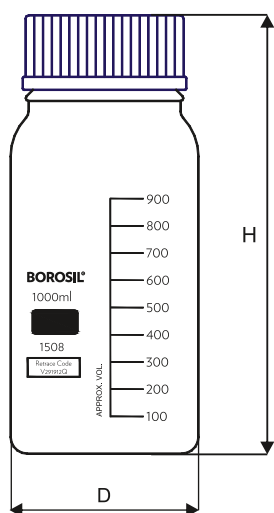
Product Code	Capacity ml	Approx B x W x H mm	Thread Specification Approx O.D. mm	Quantity Per Case	Price / Piece ₹
1506024	500	94 x 94 x 141	GL-80	10	872.00
1506029	1000	105 x 105 x 187	GL-80	10	963.00
1506030	2000	115 x 115 x 260	GL-80	10	1509.00
1506033	5000	160 x 160 x 357	GL-80	1	9311.00

*Height indicated is of Bottle only

Amber colour bottles are available on request.



Bottom View



1508 - REAGENT BOTTLES

Wide Mouth, Graduated, with PP Screw Cap
(GL 80) and PP Pouring Ring

Product Code	Capacity ml	Approx O.D. x Height* mm	Thread Specification Approx O.D. mm	Quantity Per Case	Price / Piece ₹
1508029	1000	101 x 220	GL- 80	10	1544.00
1508030	2000	136 x 250	GL- 80	10	1848.00
1508033	5000	183 x 315	GL- 80	1	7277.00
1508038	10000	235 x 390	GL- 80	1	13997.00
1508040	20000	296 x 485	GL- 80	1	31175.00

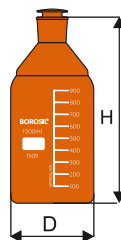
*Height indicated is of Bottle only

Amber colour bottles available are on request.

1509 - REAGENT BOTTLES

With I/C stopper **Amber**

- Complies with IS 1388 (Part II), EN ISO 4796 - 2
- These narrow mouth reagent storage bottles have a sturdy ground neck
- All sizes have a durable matt-finished enamelled area for marking
- These bottles are mechanically strong and chemical resistant
- The uniform Amber colour is highly durable and has high chemical resistance
- Properties within the bottle remain unchanged, as the colour is applied only on the external surface
- Protects media from light radiation with a wave-length between 300 nm and 500 nm
- Ideal for use with light-sensitive media and for the long-term storage of substances
- Supplied with solid glass stopper



Product Code	Capacity ml	Approx O.D. x Height* mm	Neck Stopper Size	Quantity Per Case	Price / Piece ₹
1509013	60**	40 x 100	14 / 23	20	504.00
1509016	100	56 x 105	14 / 23	10	556.00
1509017	125**	56 x 120	19 / 26	20	525.00
1509021	250	70 x 145	19 / 26	10	641.00
1509024	500	86 x 182	24 / 29	10	746.00
1509029	1000	101 x 230	29 / 32	5	961.00
1509030	2000	136 x 255	34 / 35	5	1832.00

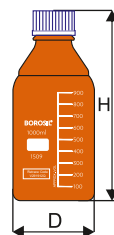
- *Height indicated is of Bottle only - ** 60 & 125 ml is not covered in standards

-Similar in design to cat no. 1500

1519 - REAGENT BOTTLES

With screw cap & pouring ring, **Amber**

- Complies with IS 1388 (Part I), EN ISO 4796 - 1
- These bottles are mechanically strong and chemical resistant
- Designed with plastic pouring ring for drip-free operation
- The screw caps and pouring are made of PP and autoclavable
- Printed with a Retrace Code
- The uniform Amber colour is highly durable and has high chemical resistance
- Properties within the bottle remain unchanged, as the colour is applied only on the external surface
- Ideal for use with light-sensitive media and for long-term storage of substances
- 100 ml to 20000 ml have uniform GL 45 thread
- Protects media from light radiation with a wave-length between 300 nm and 500 nm

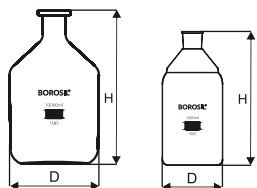


Product Code	Capacity ml	Approx O.D. x Height* mm	Thread Specification	Quantity Per Case	Price / Piece ₹
1519006	10** #	36 x 50	GL 25	10	510.00
1519009	25#	36 x 70	GL 25	20	426.00
1519012	50#	46 x 87	GL 32	20	494.00
1519016	100	56 x 100	GL 45	10	515.00
1519021	250	70 x 140	GL 45	10	546.00
1519024	500	86 x 176	GL 45	10	645.00
1519029	1000	101 x 225	GL 45	10	848.00
1519030	2000	136 x 260	GL 45	10	1591.00
1519031	3000**	158 X 295	GL 45	2	8486.00
1519033	5000***	183 x 323	GL 45	1	8757.00
1519038	10000***	235 x 405	GL 45	1	12750.00
1519040	20000***	296 x 500	GL 45	1	18850.00

Without Pouring rings

**Not covered in any standard

***As per BOROSIL dimensions



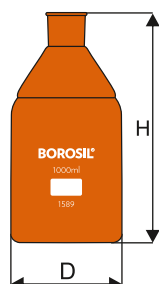
1585 - TOOLED NECK BOTTLES

Solution Bottle, Plain

- These bottles are mechanically strong and chemical resistant
- 10, 20 & 50 litre bottles specially designed for handling and storing culture media
- All sizes have a durable matt-finished enamelled area for marking

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	331.00
1585024	500	86 x 180	23	20	357.00
1585029	1000	101 x 230	28	10	588.00
1585030	2000	136 x 285	33	10	1003.00
1585031	3000	158 x 255	44	4	3140.00
1585033	5000	183 x 330	44	1	5875.00
1585038	10000*	235 x 430	54	1	10185.00
1585040	20000*	296 x 530	54	1	16679.00
1585046	50000	417 x 665	89	1	84373.00

* As per Borosil dimensions



1589 - TOOLED NECK BOTTLES

Solution Bottle, **Amber**

- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking
- The uniform Amber colour is highly durable and has high chemical resistance
- Properties within the bottle remain unchanged, as the colour is applied only on the external surface
- Protects media from light radiation with a wave-length between 300 nm and 500 nm
- Ideal for use with light-sensitive media and for long-term storage of substances

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	630.00
1589024	500	86 x 180	23	20	656.00
1589029	1000	101 x 230	28	5	929.00
1589030	2000	136 x 255	33	5	1659.00

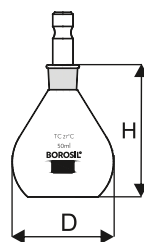
Similar in design to Cat No. 1585

For Higher Capacities please contact our Sales Offices or our Authorised Dealers

1624 - RELATIVE DENSITY BOTTLES

With Capillary Bore Interchangeable Teflon Stopper

- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking
- Comes with a Works Certificate



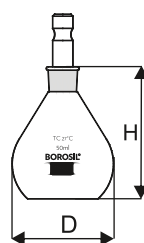
Product Code	Capacity ml	Capacity Tolerance +ml	Max. Body Dia x Height mm	Size of Inter-Changeable Stopper	Quantity Per Case	Price/Piece ₹
1624006	10	0.3	29 x 48	10 / 15	5	966.00
1624009	25	0.8	40 x 55	10 / 15	5	1139.00
1624012	50	1.0	50 x 65	10 / 15	5	1202.00



1625 - RELATIVE DENSITY BOTTLES

With Capillary Bore Inter-changeable Teflon stopper

- Complies with IS 5717, DIN / ISO 3507
- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking



Product Code	Capacity ml	Capacity Tolerance +ml	Max. Body Dia x Height mm	Size of Inter-Changeable Stopper	Quantity Per Case	Price/Piece ₹
1625006	10	1	29 x 48	10 / 15	10	458.00
1625009	25	2	40 x 55	10 / 15	10	504.00
1625012	50	3	50 x 65	10 / 15	5	541.00



1627 - GRAVITY SPECIFIC BOTTLE

With thermometer (Pyknometer)

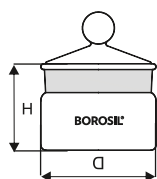
- Complies with IS 5717, DIN / ISO 3507
- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking
- Supplied with thermometer alongwith certificate for thermometer



Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
1627006	10	5	1302.00
1627009	25	5	1528.00
1627012	50	5	1654.00

Suitable for determining the density with built in thermometer & thermometer pocket.





1630 - WEIGHING BOTTLES

With Interchangeable Lids

- Complies with IS 1574
- These bottles are mechanically strong and chemical resistant

Product Code	Capacity ml	Approx O.D. x Height* mm	Quantity Per Case	Price / Piece ₹
1630005	5	20 x 40	30	292.00
1630007	15	25 x 65	10	308.00
1630008	20**	50 x 35	10	637.00
1630009	25	30 x 65	10	378.00
1630011	40**	60 x 40	10	902.00
1630013	60	40 x 90	5	572.00

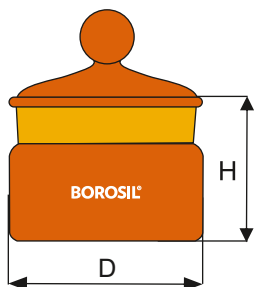
*Height indicated is of Bottle only

**Squat Form

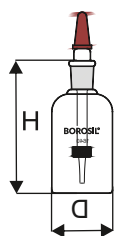
1631 - WEIGHING BOTTLES

With Interchangeable Lids, **Amber**

- Complies with IS 1574
- These bottles are mechanically strong and chemical resistant
- Suitable for light sensitive substance.



Product Code	Capacity ml	Approx O.D. x Height* mm	Quantity Per Case	Price / Piece ₹
1631005	5	20 x 40	30	410.00
1631007	15	25 x 65	10	427.00
1631008	20	50 x 35	10	842.00
1631009	25	30 x 65	10	497.00
1631011	40	60 x 40	10	1177.00
1631013	60	40 x 90	5	751.00



1640 - DROPPING BOTTLES

With Dropper & Rubber Teat

- Made from 3.3 borosilicate glass
- Highly chemical resistance
- Supplied with interchangeable ground joint pipette with rubber teat

Product Code	Capacity ml	Approx O.D. x Height mm	Socket Size	Quantity Per Case	Price / Piece ₹
1640010	30	35 x 84	14 / 19	10	289.00
1640013	60	42 x 100	14 / 19	10	389.00
1640017	125	55 x 120	19 / 26	10	410.00
1640021	250	65 x 147	19 / 26	10	546.00

1650 - DROPPING BOTTLES

With Pipette & Rubber Teat, **Amber**

- Made from 3.3 borosilicate glass
- Highly chemical resistance
- Supplied with interchangeable ground joint Amber pipette with rubber teat
- Ideal for light sensitive materials



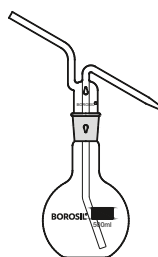
Product Code	Capacity ml	Approx O.D. x Height mm	Socket Size	Quantity Per Case	Price / Piece ₹
1650010	30	35 x 84	14 / 19	10	471.00
1650013	60	42 x 100	14 / 19	10	626.00
1650017	125	55 x 120	19 / 26	10	674.00
1650021	250	65 x 147	19 / 26	10	883.00



1660 - WASH BOTTLES

Set with Interchangeable Stopper

- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking

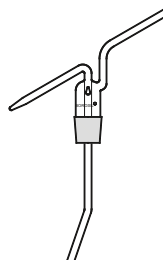


Product Code	Capacity ml	Size of Inter-changeable Stopper	Quantity Per Case Set	Price / Piece ₹
1660021	250	24 / 29	5	635.00
1660024	500	24 / 29	5	824.00
1660029	1000	29 / 32	5	1029.00



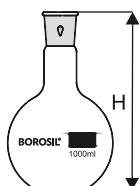
1661 - STOPPERS

For Wash Bottles Cat. No. 1660



Product Code	Capacity ml	Size of Inter-changeable Stopper	Quantity Per Case	Price / Piece ₹
1661021	250	24 / 29	5	473.00
1661024	500	24 / 29	5	515.00
1661029	1000	29 / 32	5	530.00

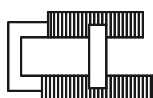




1662 - FLASKS

For Wash Bottles Cat No. 1660

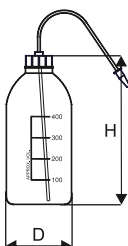
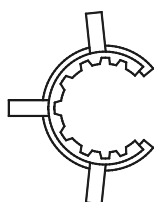
Product Code	Capacity ml	Approx Height mm	Size of Interchangeable Stopper	Quantity Per Case	Price / Piece ₹
1662021	250	130	24 / 29	5	436.00
1662024	500	160	24 / 29	5	683.00
1662029	1000	195	29 / 32	5	924.00



1665 - PLASTIC CLAMP

for Joint Fittings

Product Code	Joint mm	Quantity Per Case	Price / Piece ₹
1665B14	B 14	10	52.00
1665B19	B 19	10	52.00
1665B24	B 24	10	57.00
1665B29	B 29	10	57.00



166P - WASH, LDPE PLASTIC BOTTLES

Squeeze type, Fitted With Stoppers and Delivery Tubes

- Bottles and delivery tube made of chemically resistant, low density polyethylene
- Flexible, tough, light weight, and practically unbreakable in use
- Squeezing the bottle produces a steady controllable stream or a few drops.
- Delivery tubes are mounted in polypropylene screw caps
- Tips on delivery tubes are removable

Product Code	Capacity ml	Approx Diameter mm	Bottle Height mm	Quantity Per Case	Price / Piece ₹
0166024	500	75	167	36	110.00

1760 - GAS WASHING (DRESCHER) BOTTLES,

Set with Interchangeable Stopper

- Complies with IS 11990
- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking



Product Code	Capacity ml	Size of Inter-changeable Stopper	Quantity Per Case Set	Price / Piece ₹
1760017	125	29 / 32	5	1058.00
1760021	250	29 / 32	5	1134.00
1760024	500	29 / 32	5	1355.00



1761 - STOPPERS

For Gas Washing Bottles

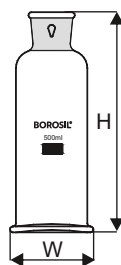


Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
1761017	125	5	594.00
1761021	250	5	616.00
1761024	500	5	702.00



1762 - BOTTLES

For Gas Washing Bottles



Product Code	Capacity ml	Approx O. D. x Height mm	Quantity Per Case	Price / Piece ₹
1762017	125	50 x 165	5	950.00
1762021	250	60 x 190	5	1042.00
1762024	500	70 x 245	5	1274.00

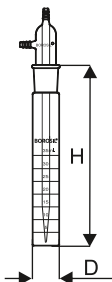




1764 - GAS SAMPLING TUBES, With Stopcocks

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
1764017	125*	10	601.00
1764021	250*	10	704.00
1764024	500	10	1001.00
1764029	1000	10	1705.00

*Not covered in standards



1765 - IMPINGER

- Complies with IS 5182 (Part-VI)
- These bottles are mechanically strong and chemical resistant

Product Code	Capacity ml	Approx O. D. x Height mm	Quantity Per Case Set	Price / Piece ₹
1765058	35	26 x 220	10	443.00

BOROSIL[®]

HPLC Mobile Phase Bottles - Conical Bottom



Manufactured from the material of choice for solvent bottles- borosilicate 3.3 glass. This material has an exceptional chemical durability offering a very low inorganic ion extractable profile, and the total absence of any organic extractable.

BOROSIL[®] HPLC Solvent Recovery Bottles comes with GL 45 Caps. Bottles have conical cavity base for inlet filter to recover HPLC mobile phases & solvents. Conical cavity bottom allows a maximum recovery of solvent without manually tilting the bottle, thereby reducing the risk of spillage of solvent.

A safe & more convenient alternative to flat bottom glass media bottles. The larger capacity bottles especially useful during weekend or when large chromatographic analysis is required to be carried out.

- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I, Class A requirements
- Chemically inert glass prevents leaching of any extractable into the mobile phase solvents.
- Conical bottom delivers all of solvent without reservoir tilting
- Supplied with GL-45 screw thread.
- GL 45 thread fits standard HPLC connection caps.
- Retrace Code, and certificate for manufacturing lot traceability.
- Available in four useful sizes 1, 2, 5 Litres.
- The central cavity can accommodate magnetic stir bars for improved mixing. In higher capacity bottles
- Side vent / drain hole in the base for ultrasonic bath degassing, or water drainage after cleaning.
- Durable white enamel volume graduations* (*Approximate volumes)
- Autoclavable at 121°C.

Burettes

- Manufactured from 3.3 Low Expansion Borosilicate I.D. control tubing.
- Individually calibrated by automatic calibration process
- Stringent quality control through all steps to eliminate possible deviations from nominal volume
- Individual certificate can be downloaded from the Borosil website
- Graduation and inscriptions are printed with white enamel
- Comes with highest quality standard according to **IS 1997** and **ISO 385**
- Supplied with PTFE stopcock, Boroflo stopcock and Straight Bore Glass Stopcock



Accuracy, reliability and durability are the essentials of a Burette. Only Borosil branded Burettes offer you these three benefits even after repeated usage, as they are made with a combination of the best material and workmanship. The highest quality accurate bore tubing is selected to provide uniform and accurate graduations. Each burette is individually calibrated on a fully automatic machine for precision and high accuracy. All graduations are marked in durable white enamel. The stopcock plugs are not interchangeable.

In addition to Burettes with glass stopcocks, Borosil offers Burettes with straight bore PTFE stopcocks and Boroflo (GP) screw thread stopcocks with PTFE keys.

Boroflo Burettes fitted with Boroflo GP (General Purpose) screw thread stopcocks with PTFE keys offer the following operational advantages :

- Lubrication is never required, ensuring no seizure and no contaminating greases.
- Excellent flow control which is important for Burettes
- All-glass / PTFE pathway, highly resistant to chemical attack
- The unique Fluon / glass seal ensures no leakage
- No springs or retaining devices makes it easy to dismantle and clean them
- Absence of ground surfaces results in low absorption of radioactivity
- Consistent performance between 0°C and 50°C

Borosil offers Class A Burette for accurate work



- Boroflo stopcocks have PTFE keys which do not require greasing
- The PTFE keys provide best drop control during titration process
- Due to identical shape of PTFE key the Burette valve can be closed with gentle turn.
- PTFE stopcocks have identical keys, hence there is no need to match pairs after cleaning
- PTFE is self lubricating hence the keys do not require greasing
- Specially designed solid glass stopcocks are manufactured from 3.3 Low expansion borosilicate glass
- Glass stopcocks are perfectly ground , hence no leakage occurs.



2121 - BURETTES

Fitted with Boroflo GP (General Purpose), Screw Thread with PTFE Keys, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Certificate

- Generally used in Titration process
- Comes with Boroflo with PTFE key that is highly resistant to chemical attack
- No need to lubricate it as PTFE key is used

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2121006	10	0.05	0.03	5	1810.00
2121U06*	10	0.05	0.02	5	1877.00
2121009	25	0.10	0.05	5	1862.00
2121U09*	25	0.10	0.03	5	2002.00
2121012	50	0.10	0.05	5	2122.00
2121016	100	0.20	0.10	5	2980.00

* Accuracy as per ASTM E 287-2

2122 - BURETTES BOROFLO

Fitted With Boroflo GP (General Purpose), Screw Thread with PTFE Keys, Accuracy as per Class B of IS 1997:2008/EN ISO 385

- Generally used in Titration process
- Comes with Boroflo with PTFE key that is highly resistant to chemical attack
- No need to lubricate it as PTFE key is used

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2122006	10	0.05	0.05	10	614.00
2122009	25	0.10	0.10	10	577.00
2122012	50	0.10	0.10	10	624.00
2122016	100	0.20	0.20	10	931.00



**NABL
CERTIFIED**

2000 - Burettes

Boroflo GP (General Purpose), Screw Thread Stopcocks With PTFE Keys, Accuracy as per Class A, with Certificate, NABL Certified

- Complies with IS 1997, EN ISO 385 ISO 285

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2000006	10	0.05	0.03	1	3460.00
2000009	25	0.1	0.05	1	3581.00
2000012	50	0.1	0.05	1	4043.00
2000016	100	0.2	0.1	1	5681.00

2123 - BURETTES

Straight Bore Glass Stopcock, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Certificate

- Generally used in Titration process
- Designed with straight bore stopcock that increases the life, compared to PTFE key stopcocks
- The glass stopcock enhances control and enables smoother action
- The volume content tolerance conforms to Class A of IS and ISO

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2123005	5	0.02	0.01	5	1945.00
2123006	10	0.05	0.03	5	1945.00
2123009	25	0.10	0.05	5	2007.00
2123012	50	0.10	0.05	5	2283.00
2123016	100	0.20	0.10	5	3292.00

2124 - BURETTES

Straight Bore Glass Stopcock, Accuracy as per Class B of IS 1997:2008/EN ISO 385

- Generally used in Titration process
- Designed with straight bore stopcock that increases the life, compared to PTFE key stopcocks
- The glass stopcock enhances control and enables smoother action
- The volume content tolerance conforms to Class B of IS and ISO

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2124005	5	0.02	0.02	5	822.00
2124006	10	0.05	0.05	10	697.00
2124009	25	0.10	0.10	10	681.00
2124012	50	0.10	0.10	5	728.00
2124016	100	0.20	0.20	5	1035.00



**NABL
CERTIFIED**

2002 - BURETTES

Straight Bore Stopcock, Accuracy As per Class A, With Certificate, NABL Certified

- Complies with IS 1997, EN ISO 385

Product Code	Capacity ml	Graduation Interval	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2002006	10	0.05	0.03	1	3565.00
2002009	25	0.1	0.05	1	3686.00
2002012	50	0.1	0.05	1	4211.00
2002016	100	0.2	0.1	1	5996.00





2129 - BURETTES

Straight Bore PTFE Key Stopcock, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Certificate

- Generally used in Titration process
- Comes with PTFE key that is highly resistant to chemical attack
- No need to lubricate it as PTFE key is used

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2129012	50	0.10	0.05	5	2283.00

- Burettes of other capacities are on request

2130 - BURETTES

Straight Bore PTFE Key Stopcock, Accuracy as per Class B of IS 1997:2008 /EN ISO 385

- Generally used in Titration process
- Comes with PTFE key that is highly resistant to chemical attack
- No need to lubricate it as PTFE key is used
- The volume content tolerance conforms to Class B of IS and ISO

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2130012	50	0.10	0.10	5	889.00

- Burettes of other capacities are on request



2131 - BURETTES

Boroflo, Fitted With Boroflo GP (General Purpose), Screw Thread Stopcock With PTFE Keys, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Certificate, **Amber**

- Generally used in Titration process
- Comes with PTFE key that is highly resistant to chemical attack
- No need to lubricate it as PTFE key is used
- The volume content tolerance conforms to Class A of IS and ISO
- Amber colour is applied to the external surface to prevent contamination with the testing material

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2131009	25	0.10	0.05	5	3078.00
2131012	50	0.10	0.05	5	3411.00

2132 - BURETTES

Boroflo, Fitted With Boroflo GP (General Purpose), Screw Thread Stopcock With PTFE Keys, Accuracy as per Class B of IS 1997:2008/EN ISO 385, **Amber**

- Generally used in Titration process
- Comes with PTFE key that is highly resistant to chemical attack
- No need to lubricate it as PTFE key is used
- The volume content tolerance conforms to Class B of IS and ISO

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2132009	25	0.10	0.10	5	936.00
2132012	50	0.10	0.10	5	1030.00



**NABL
CERTIFIED**

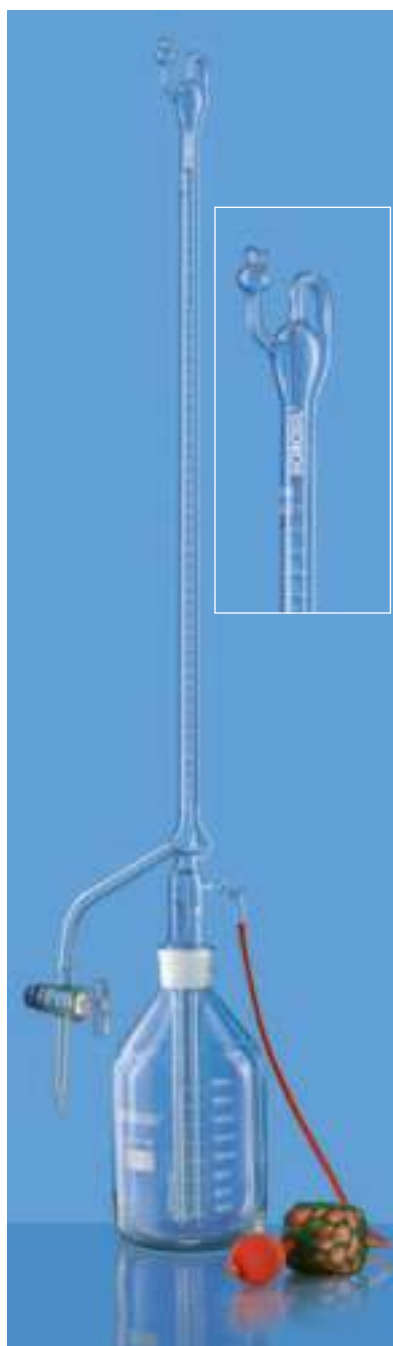
2001 - Burettes

Boroflo GP (General Purpose), Screw Thread Stopcocks PTFE Keys, Accuracy As per Class A, With Certificate, NABL Certified, **Amber**

- Complies with IS 1997, EN ISO 385

Product Code	Capacity ml	Graduation Interval	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2001009	25	0.1	0.05	1	5481.00
2001012	50	0.1	0.05	1	6216.00





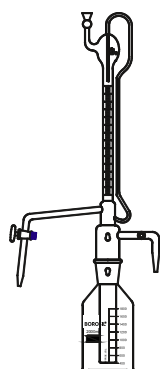
2149-BURETTES

Automatic Zero, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow, Glass Stopcock, With Certificate

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Alpha numeric serial number on the article and certificate provide complete traceability
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With Glass stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2149006	10	0.05	0.03	1	7108.00
2149009	25	0.10	0.05	1	6885.00
2149012	50	0.10	0.05	1	7701.00
2149016	100	0.20	0.10	1	8762.00

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



2150 - BURETTES

Automatic Zero, Accuracy as per Class B of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow, Glass Stopcock

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With Glass stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2150006	10	0.05	0.05	1	4566.00
2150009	25	0.10	0.10	1	4493.00
2150012	50	0.10	0.10	1	4867.00
2150016	100	0.20	0.20	1	5543.00

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



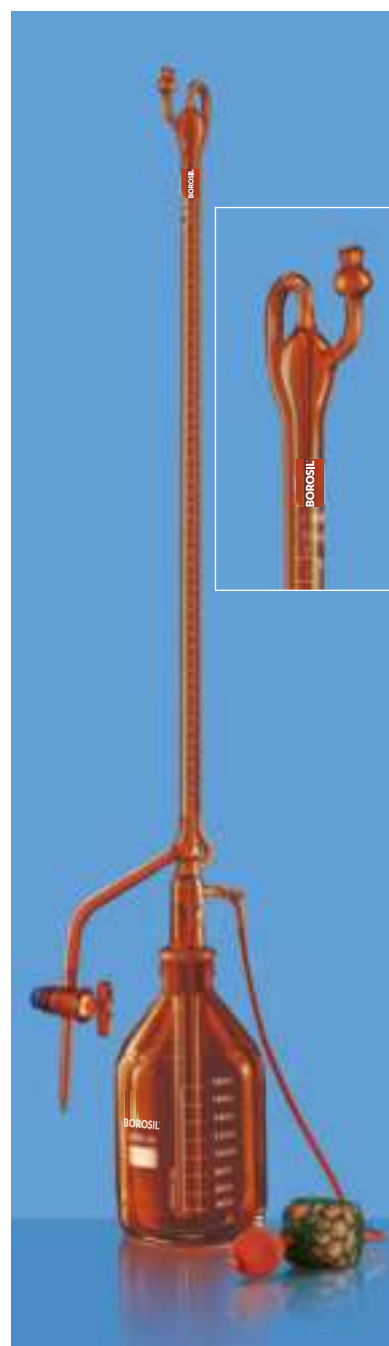
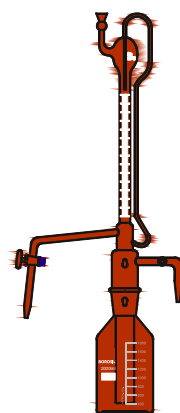
2149A - BURETTES

Automatic Zero, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow, Glass Stopcock, **Amber** With Certificate

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Alpha numeric serial number on the article and certificate provide complete traceability
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With Glass stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2149A06	10	0.05	0.03	1	15293.00
2149A09	25	0.10	0.05	1	16203.00
2149A12	50	0.10	0.05	1	17836.00
2149A16	100	0.20	0.10	1	18429.00

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



2150A - BURETTES

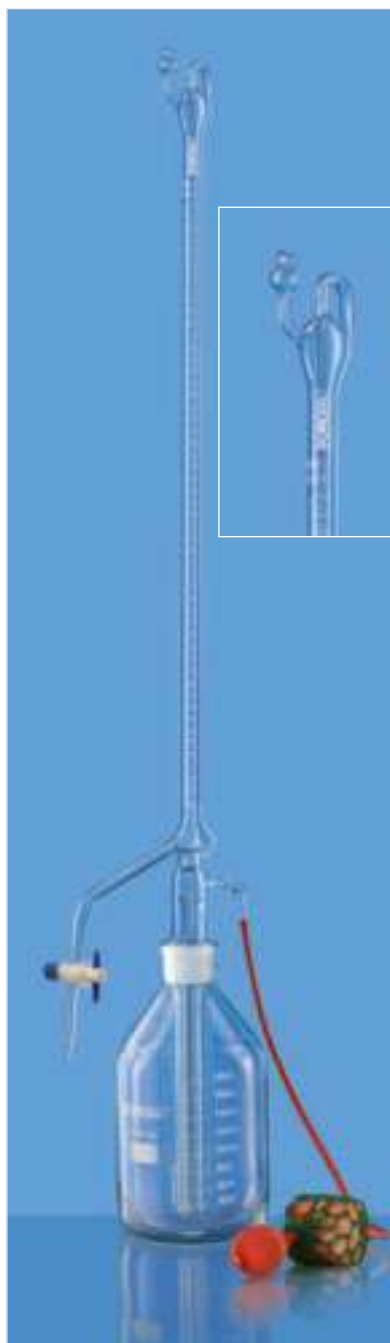
Automatic Zero, Accuracy as per Class B of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow, Glass Stopcock, **Amber**

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With Glass stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2150A06	10	0.05	0.05	1	10660.00
2150A09	25	0.10	0.10	1	10821.00
2150A12	50	0.10	0.10	1	11034.00
2150A16	100	0.20	0.20	1	11570.00

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





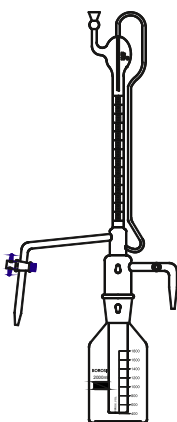
2153 - BURETTES

Automatic Zero, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow, PTFE Stopcock, with Certificate

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Alpha numeric serial number on the article and certificate provide complete traceability
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With PTFE stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2153006	10	0.05	0.03	1	7498.00
2153009	25	0.10	0.05	1	7332.00
2153012	50	0.10	0.05	1	8133.00
2153016	100	0.20	0.10	1	9292.00

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



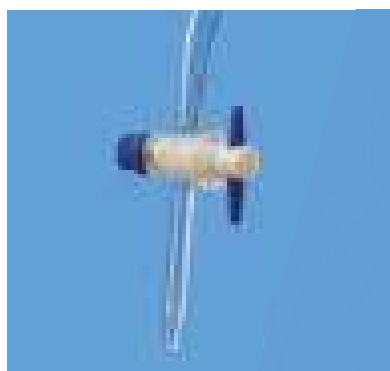
2154 - BURETTES

Automatic Zero, Accuracy as per Class B of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow, PTFE Stopcock

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With PTFE stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2154006	10	0.05	0.05	1	4820.00
2154009	25	0.10	0.10	1	4716.00
2154012	50	0.10	0.10	1	5122.00
2154016	100	0.20	0.20	1	5819.00

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



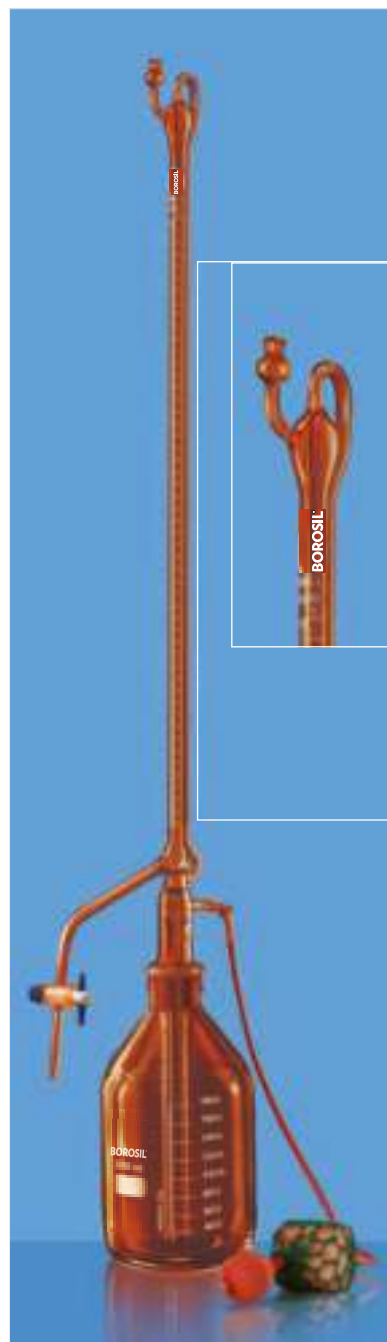
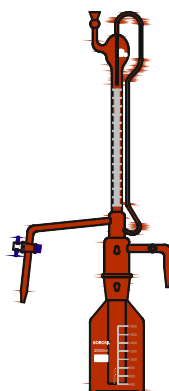
2153A - BURETTES

Automatic Zero, Accuracy as per Class A of IS 1997: 2008/EN ISO 385, with Reservoir, Rubber Bellow, PTFE Stopcock, **Amber** With Certificate

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Alpha numeric serial number on the article and certificate provide complete traceability
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With PTFE stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2153A06	10	0.05	0.03	1	15855.00
2153A09	25	0.10	0.05	1	16926.00
2153A12	50	0.10	0.05	1	18533.00
2153A16	100	0.20	0.10	1	19391.00

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



2154A - BURETTES

Automatic Zero, Accuracy as per Class B of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow, PTFE Stopcock, **Amber**

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With PTFE stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2154A06	10	0.05	0.05	1	10821.00
2154A09	25	0.10	0.10	1	10176.00
2154A12	50	0.10	0.10	1	10447.00
2154A16	100	0.20	0.20	1	10928.00

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





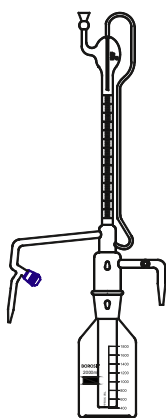
2155 - BURETTES

Automatic Zero, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow and Boroflo Stopcock, With Certificate

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Alpha numeric serial number on the article and certificate provide complete traceability
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With PTFE stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2155006	10	0.05	0.03	1	6869.00
2155009	25	0.10	0.05	1	6692.00
2155012	50	0.10	0.05	1	7431.00
2155016	100	0.20	0.10	1	8445.00

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



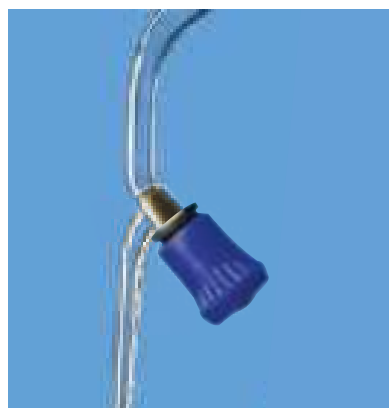
2156 - BURETTES

Automatic Zero, Accuracy as per Class B of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow and Boroflo Stopcock

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With PTFE stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2156006	10	0.05	0.05	1	4446.00
2156009	25	0.10	0.10	1	4342.00
2156012	50	0.10	0.10	1	4753.00
2156016	100	0.20	0.20	1	5460.00

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



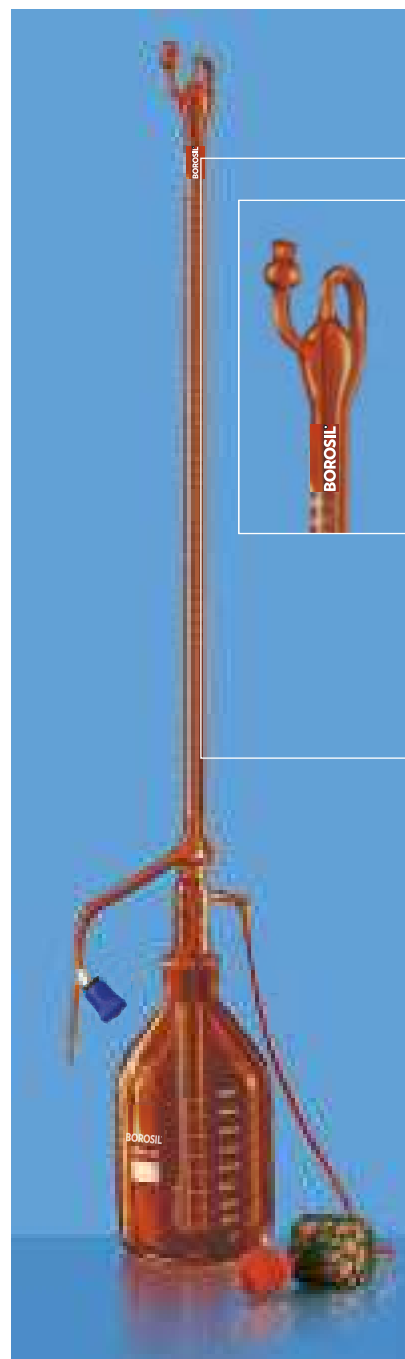
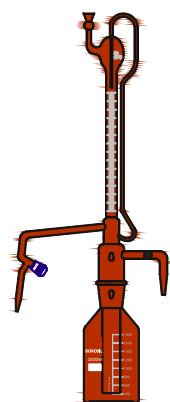
2155A - BURETTES

Automatic Zero, Accuracy as per Class A of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow and Boroflo Stopcock, **Amber** With Certificate

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Alpha numeric serial number on the article and certificate provide complete traceability
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With PTFE stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2155A06	10	0.05	0.03	1	15106.00
2155A09	25	0.10	0.05	1	15964.00
2155A12	50	0.10	0.05	1	17732.00
2155A16	100	0.20	0.10	1	18320.00

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



2156A - BURETTES

Automatic Zero, Accuracy as per Class B of IS 1997:2008/EN ISO 385, with Reservoir, Rubber Bellow and Boroflo Stopcock, **Amber**

- Complies with IS 1997, EN ISO 385
- With automatic zero facility
- Individually tested for exact volume dispensed at 3 points on the scale
- Simple operation
 - To fill Burette apply a slight positive pressure to lower side arm
 - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Burettes manufactured from chemically resistant 3.3 borosilicate glass
- White enamel graduations
- With PTFE stopcock

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2156A06	10	0.05	0.05	1	10556.00
2156A09	25	0.10	0.10	1	10660.00
2156A12	50	0.10	0.10	1	10982.00
2156A16	100	0.20	0.20	1	11409.00

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



Cones

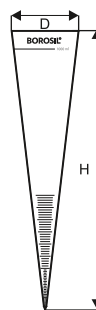
Cones are used to determine small amounts of suspended matter in sewage by the Imhoff Sedimentation Method.



2160 - CONES

Imhoff, Sediment, Sharp Tip

- Complies with IS 7232
- Graduated from 0 to 1 ml in 0.1 ml divisions
- Graduated from 1 to 10 ml in 0.5 ml divisions
- 10 to 40 ml in 1 ml divisions also marked at 1000 ml
- Facilitates the determination of the amount of sediment in sewage or industrial waste



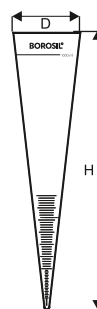
Product Code	Approx Total Height mm	Approx Top Diameter mm	Quantity Per Case	Price / Piece ₹
2160094	454	110	1	4990.00



2180 - CONES

Imhoff, Sediment, Blunt Tip

- Complies with IS 7232
- The blunt tip increases its ruggedness and cleaning ease
- Ideal for use with heavy sediments where the ability to read small volumes is unimportant
- Facilitates the determination of the amount of sediment in sewage or industrial waste



Product Code	Approx Total Height mm	Approx Top Diameter mm	Quantity Per Case	Price / Piece ₹
2180093	439	110	1	5092.00



Condensers

A Condenser is designed to facilitate the cooling of hot vapours and liquids. It is structured in the form of a large glass tube, containing a smaller glass tube running through its entire length. Hot fluids pass through this small inner tube.

Typically, the outer glass tube has two hose connections to aid the passing of a coolant (usually tap water or chilled water/anti-freeze mixture). The coolant is introduced through the lower fitting, while the higher fitting serves as the exit point. The coolant entering at the cooler point is a critical aspect as it helps maintain a smooth and correctly directed thermal gradient. The in turn, maximises efficiency and minimises the risk of thermal shock to adjacent glassware. Multiple Condensers may be connected in a series. Usually, a high flow rate is not essential for maintaining a cooling surface.

Special care should be taken while choosing Condensers keeping in mind their distillation rates, reflux rates and temperature gradients.

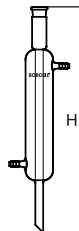
Borosil offers you the choice of a wide range of Condensers.



2340- CONDENSERS

Liebig, with sealed Inner Tube

- Simple design
- The light wall of the inner tube facilitates efficient heat transfer
- Low cooling capacity
- Used for distillate separation



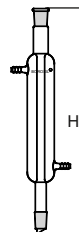
Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint	Quantity Per Case	Price / Piece ₹
2340087	200	350	19 / 15	5	524.00
2340090	300	450	19 / 15	5	448.00
2340092	400	550	19 / 15	5	464.00
2340095	500	650	19 / 15	5	567.00



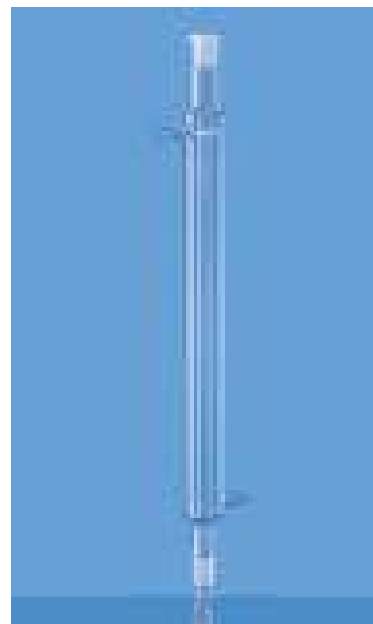
2400- CONDENSERS

Liebig, Drip Tip, Interchangeable Inner and Outer Joint

- Simple design
- The light wall of the inner tube facilitates efficient heat transfer
- Low cooling capacity
- Used for distillate separation



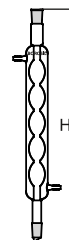
Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint		Quantity Per Case	Price / Piece ₹
			Socket	Cone		
2400087	200	350	19 / 26	19 / 26	5	524.00
2400090	300	450	24 / 29	24 / 29	5	583.00
2400092	400	550	24 / 29	24 / 29	5	664.00



2480- CONDENSERS

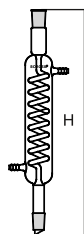
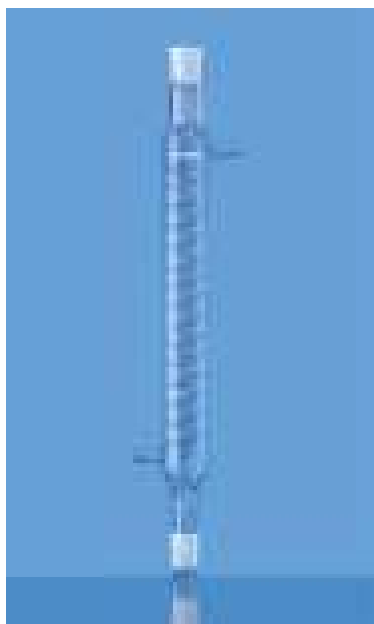
Allihn, Drip Tip, Interchangeable Inner and Outer Joint

- Greater surface area than the Liebig Condenser owing to a series of bulbs, resulting in higher cooling capacity
- Ideal for laboratory scale refluxing



Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint		Quantity Per Case	Price / Piece ₹
			Socket	Cone		
2480087	200	330	19 / 26	19 / 26	5	664.00
2480090	300	450	24 / 29	24 / 29	5	702.00
2480092	400	550	24 / 29	24 / 29	5	821.00
2480096	600	750	29 / 32	29 / 32	5	1102.00



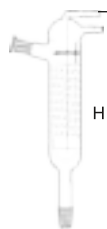


2560- CONDENSERS

Graham, Coiled Distillate Type, Drip Tip, Interchangeable Inner and Outer Joint

- The coiled condensation tubes result in greater surface area for cooling
- Designed with top standard taper outer and lower inner drip tip joint

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	805.00
2560092	400	550	24 / 29	24 / 29	5	826.00
2560095	500	650	24 / 29	24 / 29	5	1042.00

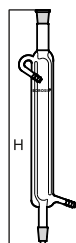
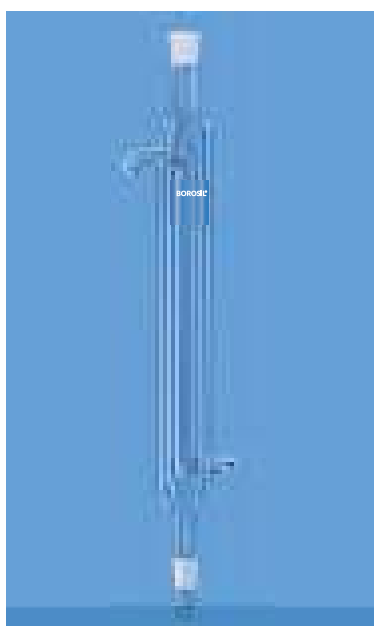


2640- CONDENSERS

Friedrichs, Drip Tip, Interchangeable Inner and Outer Joint

- Specially designed inner spiral tubes ensure along vapour path
- Offer better heat transfer and anti-flooding capabilities

Product Code	Approx Overall Height mm	Ground Joint		Quantity Per Case	Price / Piece ₹
		Socket	Cone		
2640097	350	24 / 29	24 / 29	5	3235.00



2641 - Condensers

Double Surface

Product Code	Approx Jacket Length mm	Ground Joint	Quantity Per Case	Price / Piece ₹
2641087	200	19 / 26	5	2057.00
2641187	200	24 / 29	5	2192.00
2641090	300	19 / 26	5	2711.00
2641190	300	24 / 29	5	2959.00

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, esters, aromatics, petroleum products, and essential oils these condensers are widely used.

BOROSIL[®]

Quartz ware

- Fused Silica 99.95%
- Durable
- Resistant to chemical attack
- Operational Temp 1000 °C



HIGH THERMAL SHOCK RESISTANCE

Cylinders

Measuring cylinders serve simultaneously to receive and measure different amounts of liquids. Made from specially drawn 3.3 Borosilicate glass tubing with durable, easy to read graduations for assured accuracy.

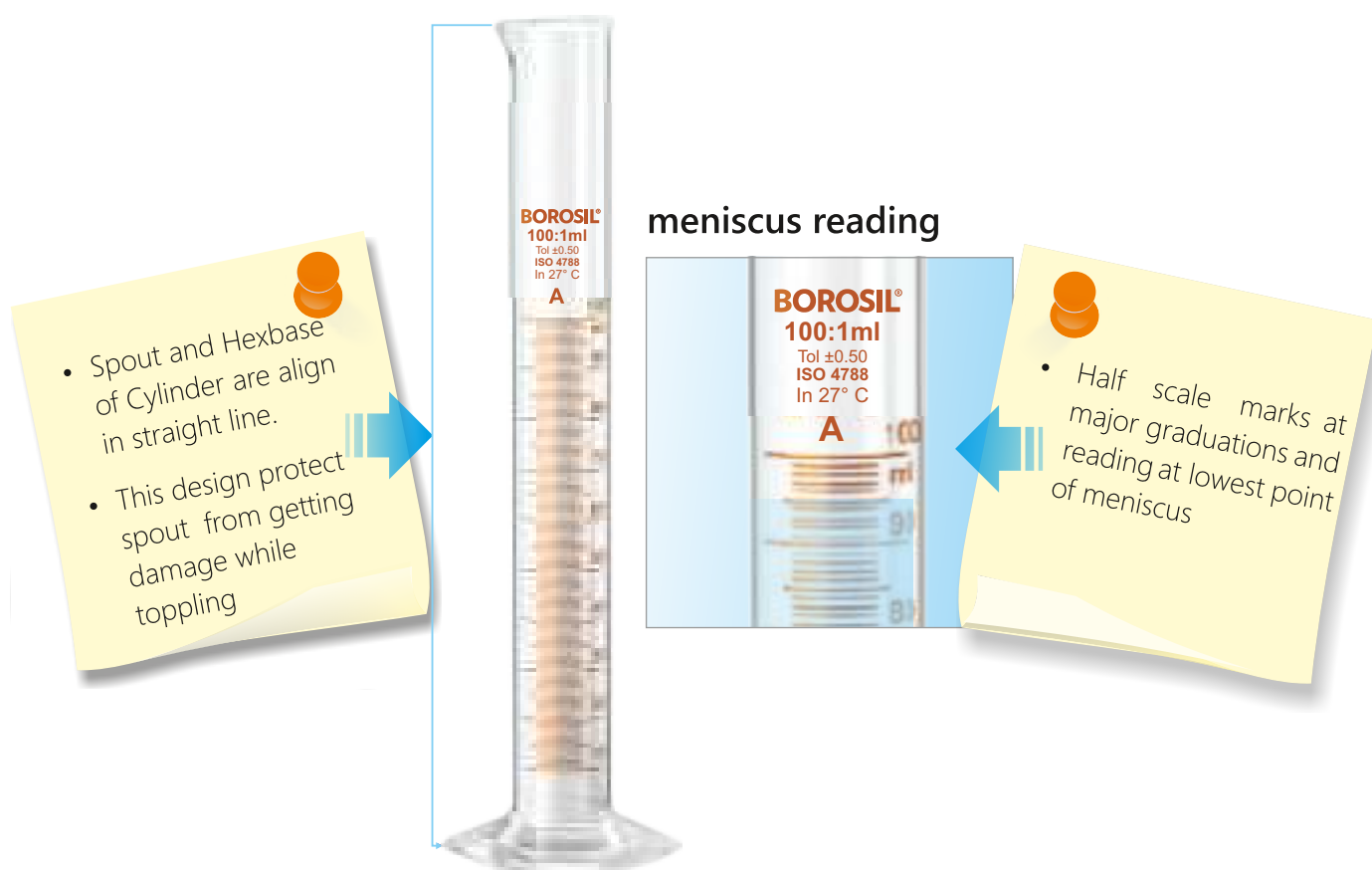
Borosil Brand Cylinders are built to last long. We have built strength features into every cylinder. Heavy uniform wall tubing and strong stable hexagonal base contribute to sturdiness. Hexagonal base also prevents them from rolling off a laboratory bench. They are available in capacities from 5 ml to 2000 ml.

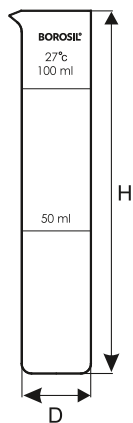
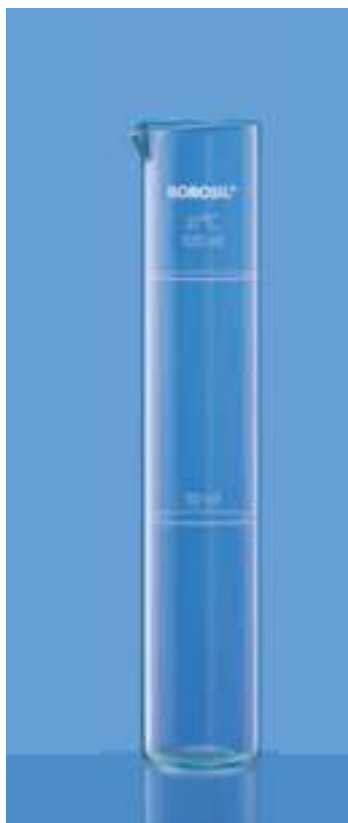
For accurate work, Class A certified cylinders are available.

Our range also includes Nessler Colour Comparison and Rain Measure Cylinders.



- Complies with highest quality standards according to IS 878 and EN ISO 4788
- Manufactured From 3.3 Low expansion borosilicate glass with precision bore tubing
- Individually calibrated on automatic calibration machine for precision and high accuracy
- Strict quality control through all steps eradicate possible deviations
- All measuring cylinders are calibrated to contain (TC, In) and all tolerances are according to IS / ISO / DIN / ASTM class " A " Standards
- Supplied with individual certificate and can be download from the BOROSIL website
- Specially designed hexagonal base provides sturdiness to the cylinder
- Perfect spout designed assures pouring without any drips
- Graduations and Inscriptions are printed in amber / white enamel
- Cylinders are also available with penny head stopper





2975 - NESSLER CYLINDERS

- Complies with IS 4161
- Facilitates colour comparison of water samples
- Manufactured from precision bore 3.3 borosilicate tubing selected for freedom from colour or visible defects
- White enamel inscriptions

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
2975012	50	25 x 150	20	177.00
2975016	100	34 x 180	30	260.00

100 ml Cylinder is marked at 50 ml and 100 ml

50 ml Cylinders is marked at 50 ml

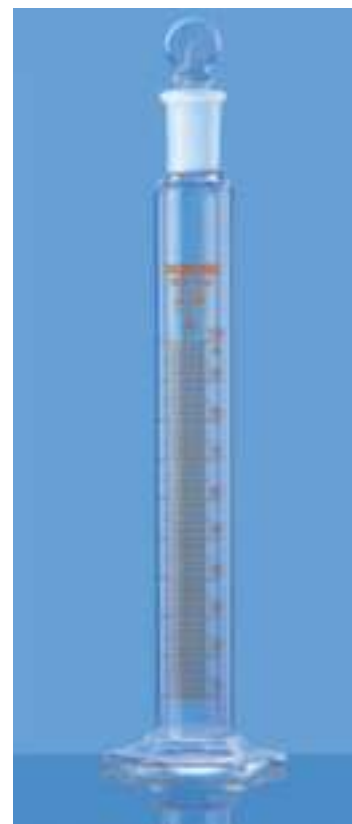
2981 - CYLINDERS

Graduated, Single Metric Scale, with Penny Head
Interchangeable Stopper with Hexagonal Base, Class A,
with Certificate

- Complies with IS 878, EN ISO 4788
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in Amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Solid glass stopper



Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
2981005	5	0.1	0.05	10 / 19	5	733.00
2981006	10	0.2	0.10	10 / 19	5	806.00
2981009	25	0.5	0.25	14 / 19	10	926.00
2981012	50	1.0	0.50	14 / 23	10	1045.00
2981016	100	1.0	0.50	19 / 26	10	1227.00
2981021	250	2.0	1.00	24 / 29	5	1929.00
2981024	500	5.0	2.50	24 / 29	5	2475.00
2981029	1000	10.0	5.00	34 / 35	4	3032.00
2981030	2000	20.0	10.0	34 / 35	4	4815.00



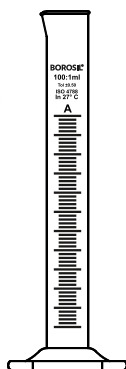
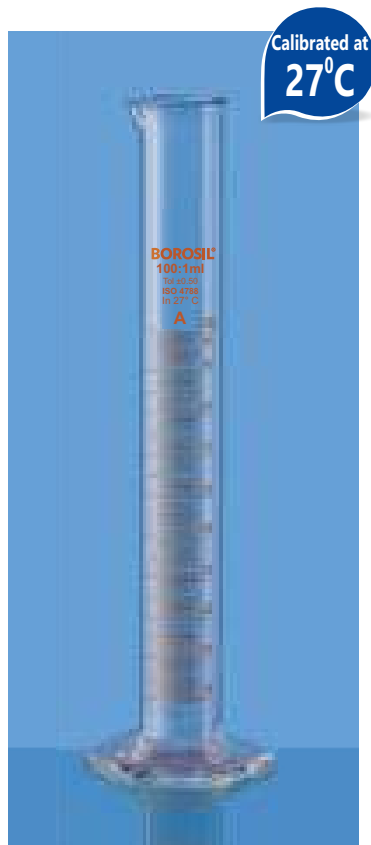
2982 - CYLINDERS

Graduated, Single Metric Scale, with Penny Head
Interchangeable Stopper with Hexagonal base, Class B

- Complies with IS 878, EN ISO 4788
- Graduations in Amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Solid glass stopper

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
2982005	5	0.1	0.1	10 / 19	5	390.00
2982006	10	0.2	0.2	10 / 19	5	416.00
2982009	25	0.5	0.5	14 / 19	10	463.00
2982012	50	1.0	1.0	14 / 23	10	520.00
2982016	100	1.0	1.0	19 / 26	10	640.00
2982021	250	2.0	2.0	24 / 29	10	1082.00
2982024	500	5.0	5.0	24 / 29	5	1498.00
2982029	1000	10.0	10.0	34 / 35	4	2163.00
2982030	2000	20.0	20.0	34 / 35	4	3744.00





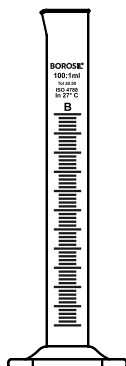
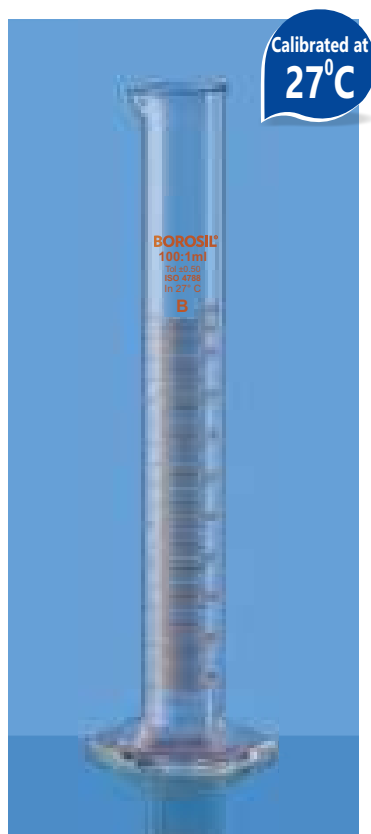
3021-CYLINDERS

Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate

- Complies with IS 878, EN ISO 4788
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in Amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
3021005	5	0.1	0.05	5	442.00
3021006	10	0.2	0.1	5	504.00
3021008	20*	1.0	0.25	10	645.00
3021009	25	0.5	0.25	10	582.00
3021012	50	1.0	0.5	10	702.00
3021016	100	1.0	0.5	10	796.00
3021018	150*	2.0	1.0	5	1056.00
3021021	250	2.0	1.0	10	1175.00
3021024	500	5.0	2.5	5	1638.00
3021029	1000	10.0	5.0	4	2002.00
3021030	2000	20.0	10.0	4	3890.00

*20 & 150 ml Not covered in any standards.



3022 - CYLINDERS

Graduated, Single Metric Scale, with Pour out, with Hexagonal Base, Class B

- Complies with IS 878, EN ISO 4788
- Graduations in Amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability

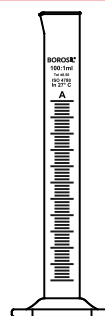
Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
3022005	5	0.1	0.1	5	239.00
3022006	10	0.2	0.2	5	286.00
3022009	25	0.5	0.5	10	338.00
3022012	50	1.0	1.0	20	364.00
3022016	100	1.0	1.0	20	416.00
3022018	150*	2.0	2.0	5	567.00
3022021	250	2.0	2.0	10	764.00
3022024	500	5.0	5.0	5	998.00
3022029	1000	10.0	10.0	4	1513.00
3022030	2000	20.0	20.0	4	2902.00

*150 Not covered in any standards.

2010 - CYLINDERS

Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate, NABL Certified

- Complies with IS 1997, EN ISO 4788



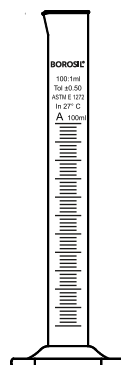
Product Code	Capacity ml	Graduation Interval	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
2010005	5	0.1	0.05	1	962.00
2010006	10	0.2	0.1	1	1050.00
2010009	25	0.5	0.25	1	1243.00
2010012	50	1.0	0.5	1	1472.00
2010016	100	1.0	0.5	1	1664.00
2010018	150*	2.0	1.0	1	2236.00
2010021	250	2.0	1.0	1	2522.00
2010024	500	5.0	2.5	1	3432.00
2010029	1000	10.0	5.0	1	4243.00
2010030	2000	20.0	10.0	1	8133.00



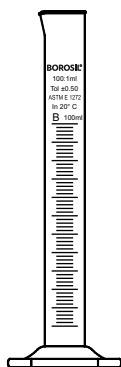
3026 - CYLINDERS

Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Accuracy as per ASTM, Class A with Certificate (USP)

- Complies with ASTM E 1272
- Calibrated as per Class A tolerances required by the United States Pharmacopoeia (USP) that are tighter than those of ISO / DIN standards
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in Amber enamel
- Manufactured with chemically resistant 3.3 borosilicate glass
- Sturdy hexagonal base prevents roll-over and ensures greater stability



Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
3026005	5	0.1	0.05	5	510.00
3026006	10	0.2	0.10	5	588.00
3026009	25	0.5	0.17	5	666.00
3026012	50	1.0	0.25	5	811.00
3026016	100	1.0	0.50	5	910.00
3026021	250	2.0	1.00	5	1321.00
3026024	500	5.0	2.00	4	1742.00
3026029	1000	10.0	3.00	4	2148.00
3026030	2000	20.0	6.00	4	4025.00

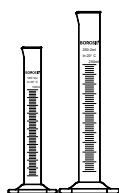


3027 - CYLINDERS

Graduated, Single Metric Scale With Pour Out with Hexagonal Base, Accuracy as per ASTM, Class B (USP)

- Complies with ASTM E 1272
- Calibrated as per Class B tolerances required by the United States Pharmacopoeia (USP) that are tighter than those of ISO / DIN standards
- Graduations in Amber enamel
- Manufactured with chemically resistant 3.3 borosilicate glass
- Sturdy hexagonal base prevents roll-over and ensures greater stability

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
3027005	5	0.1	0.10	5	307.00
3027006	10	0.2	0.20	5	348.00
3027009	25	0.5	0.34	10	411.00
3027012	50	1	0.50	10	463.00
3027016	100	1	1.00	10	504.00
3027021	250	2	2.00	10	884.00
3027024	500	5	4.00	5	1102.00
3027029	1000	10	6.00	4	1633.00
3027030	2000	20	12.00	4	3021.00

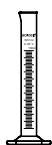


3032 - TAPPED DENSITY CYLINDER

As Per USP, Ch. 616

- Used in tapped density apparatus to measure bulk density of powders

Product Code	Capacity ml	Quantity Per Case Set	Price / Set ₹
3032041	100 & 250	1 Each	2434.00



3033 - TAPPED DENSITY CYLINDER

As Per USP, Ch. 616

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3033016	100	2	1014.00



3034 - TAPPED DENSITY CYLINDER

As Per USP, Ch. 616

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3034021	250	2	1264.00

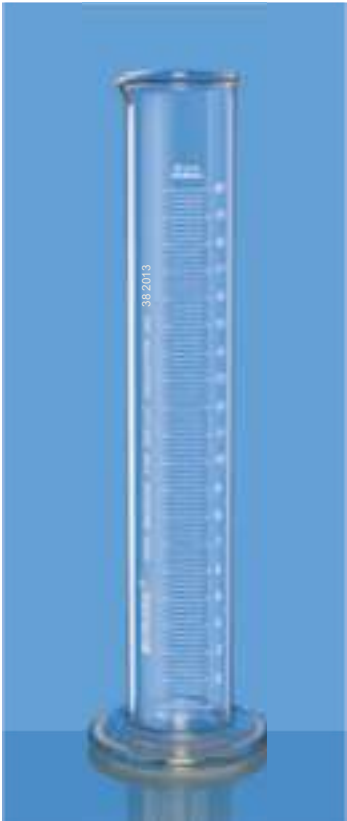
3070 - CYLINDERS

Rain Measure, Metric Scale, Graduated, With Round Base

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



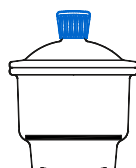
Product Code	Size mm	Used For Collector Area cm ²	Graduation Interval mm	Tolerance ± mm	Quantity Per Case	Price / Piece ₹
3070096	20	200	0.2	0.05	5	1295.00
3070098	20	100	0.2	0.10	10	1518.00



Cylinders

Desiccators

BOROSIL® brand Desiccators are equipped with bodies and covers that have great strength and utility. The body is designed with a streamlined contour that facilitates easy cleaning of the used desiccant. Any desiccant such as sulphuric acid, phosphoric pentoxide, calcium chloride or silica gel may be used in Borosil brand Desiccators. For your convenience, all Borosil brand Plain Desiccators of the same size have interchangeable covers and bodies. When the ground surface is cleaned and greased, Vacuum type Desiccators hold a vacuum of 500 mm of mercury.

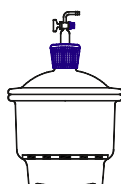


3082 - DESICCATORS

with Cover and Porcelain Plate, Plastic Knob

- Complies with IS 6128
- Robust Desiccator base and cover made of borosilicate glass
- Simple design for drying under atmospheric pressure
- Ground glass flanges
- Plates are positioned on an internal ledge within the base
- Generally used for drying of moist products, and for storage of moisture-sensitive substances

Product Code	Approx ID Ground Flange mm	Quantity Per Case	Price / Piece ₹
3082041	100	1	6687.00
3082042	150	1	7805.00
3082043	200	1	10884.00
3082044	250	1	13900.00
3082045	300	1	19183.00



3083 - VACUUM DESICCATORS

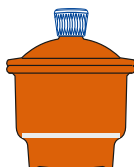
Vacuum, Stopcock with PTFE Spindle, and Porcelain Plate

- Complies with IS 6128
- Designed for use under vacuum
- Sturdy construction of borosilicate glass
- Ground glass flanges
- Plates are positioned on an internal ledge within the base
- Comes with glass stopcock at the top
- Generally used for drying of moist products, and for storage of moisture sensitive substances

Product Code	Approx ID Ground Flange mm	Quantity Per Case	Price / Piece ₹
3083041	100	1	10249.00
3083042	150	1	15409.00
3083043	200	1	17299.00
3083044	250	1	24014.00
3083045	300	1	30174.00

3084 - DESICCATORS

with Cover and Porcelain Plate, Plastic Knob,
Amber



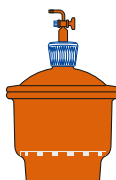
- Complies with IS 6128
- Robust Desiccator base and cover made of borosilicate glass
- Simple design for drying under atmospheric pressure
- Ground glass flanges
- Plates are positioned on an internal ledge within the base
- Generally used for drying of moist products, and for storage of moisture-sensitive & light sensitive substances



Product Code	Approx ID Ground Flange mm	Quantity Per Case	Price / Piece ₹
3084041	100	1	8840.00
3084042	150	1	10130.00
3084043	200	1	13057.00
3084044	250	1	16588.00
3084045	300	1	25964.00

3085 - VACUUM DESICCATORS

Vacuum, stopcock with PTFE spindle and
Porcelain plate, **Amber**



- Complies with IS 6128
- Designed for use under vacuum
- Sturdy construction of borosilicate glass
- Ground glass flanges
- Plates are positioned on an internal ledge within the base
- Comes with glass stopcock at the top
- Generally used for drying of moist products, and for storage of moisture sensitive & light sensitive substances



Product Code	Approx ID Ground Flange mm	Quantity Per Case	Price / Piece ₹
3085041	100	1	16063.00
3085042	150	1	20634.00
3085043	200	1	22552.00
3085044	250	1	32500.00
3085045	300	1	36457.00

Dishes

BOROSIL® brand Dishes are designed to fulfil your wide-ranging needs - Crystallizing, Evaporating, Drying, Storing, Petri dishes for culture, assay and micro-biological works. All **BOROSIL®** brand Dishes are safe, durable and economical.

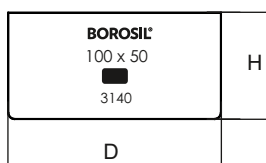
BOROSIL® brand Dishes are inert, can be sterilised and remain clear even after repeated use and washing. With each subsequent use, the cost per Dish decreases.



3140 - DISHES

Crystallizing

- Reinforced and fire-polished rims reduce chipping
- Large labelling field for easy marking
- Very high chemical resistance
- High resistance to thermal shocks

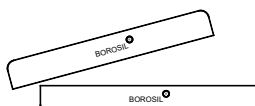


Product Code	Approx O.D. x Height mm	Approx Capacity ml	Quantity Per Case	Price / Piece ₹
3140077	100 x 50	330	10	443.00
3140081	150 x 75	1150	10	772.00
3140086	190 x 100	2500	4	1280.00

3160 - DISHES

Culture, Petri

- Complies with IS 2626
- These Dishes are clear and withstand repeated sterilisation (wet or dry)
- Made of 3.3 borosilicate glass using a special manufacturing process
- Beaded edges impart greater mechanical strength
- Ideal for use in routine work
- Specially formed to ensure even wall thickness and consistent optical performance



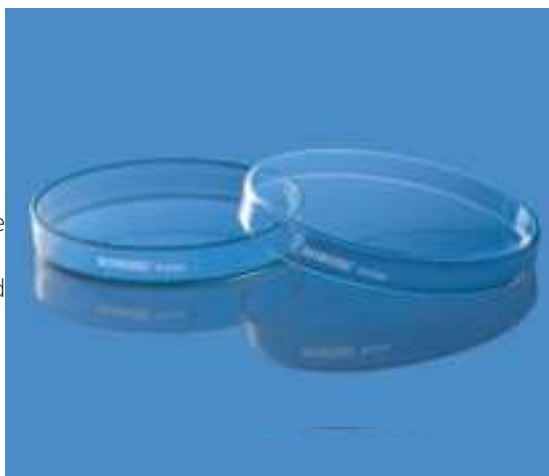
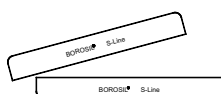
Product Code	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
3160065	50 x 17	100	184.00
3160072	80 x 17	100	232.00
3160077	100 x 17 [#]	100	275.00
3160081	150 x 20	40	675.00
3160087	200 x 20	10	1458.00

Not covered in standard

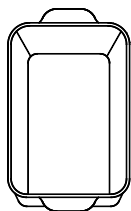
3165 - DISHES

Culture Petri, Borosil S-Line

- The inner surface of these Dishes have a very good flatness
- The accuracy of many biological assays depends on the flatness of the inside base of the Petri dish
- Made of soda lime glass ensuring that the inner surface of the top and base are absolutely flat
- These Dishes have high clarity and are free of bubbles
- Ideal for use in routine work



Product Code	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
3165065	50 x 12	100	76.00
3165072	80 x 15	100	86.00
3165A75	90 x 15	100	86.00
3165077	100 x 15	100	92.00
3165A77	100 x 20	100	167.00
3165081	150 x 25	40	205.00
3165087	200 x 30	10	437.00

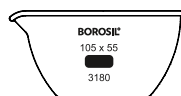


3170 - TRAYS

Drying, Heavy Wall

- The trays withstand hot air or steam sterilization
- Facilitates paper chromatography
- Dimensions are approximate, representing the inside length x width x height in mm

Product Code	Approx Dimension mm	Approx Capacity ml	Quantity Per Case	Price / Piece ₹
3170044	320 x 180 x 51	1500	5	556.00
3170A44	258 x 165 x 43	1500	5	556.00
3170043	350 x 200 x 58	2400	5	775.00
3170A43	304 x 190 x 44	2000	5	775.00
3170042	386 x 217 x 63	3000	5	1082.00
3170A42	328 x 203 x 56	3000	5	1082.00
3170041	404 x 257 x 61	3500	5	1295.00



3180 - Dishes

Evaporating, Flat Bottom, With Pour Out

- Made of 3.3 borosilicate glass
- Very high chemical resistance
- High resistance to thermal shocks
- Designed with a spout to facilitate clean pouring
- Withstand to repeated sterilisation (Wet or dry)
- Beaded edge give greater mechanical strength
- Ideal for use in routine work

Product Code	Approx O.D. x Height mm	Approx Capacity ml	Quantity Per Case	Price / Piece ₹
3180072	80 x 45	165	10	378.00
3180078	105 x 55	290	10	535.00
3180081	150 x 80	855	10	999.00
3180087	200 x 100	1790	8	1841.00

BOROSIL[®]

Quartz ware

- Fused Silica 99.95%
- Durable
- Resistant to chemical attack
- Operational Temp 1000°C



Distilling Apparatus

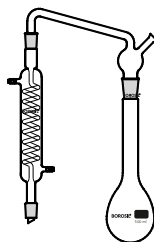
Most of the distillation equipment required in an average laboratory can be constructed using standard Borosil components. Distillation assemblies for specific applications are available as complete units, as listed herein.



3340-DISTILLING APPARATUS

Ammonia, With Graham Condenser, Interchangeable Joints

- Ideal for determining nitrogen in organic compounds
- Digestion and distillation stages can be performed in this apparatus
- The inlet tube allows permanganate solution to be introduced after distillation



Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3340024	500	2 Set	3185.00

Spares are available on request

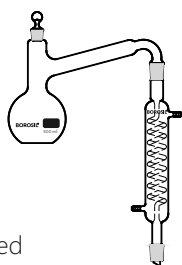


Distilling Apparatus

3360-DISTILLING APPARATUS

With Graham Condenser, Interchangeable Joints, Interchangeable Stopper

- Ideal for batch production of high purity distilled water
- General purpose Batch Distillation Assembly equipped with an interchangeable stoppered neck that facilitates addition
- The Flask has a flat base with a delivery tube on the side



Product Code	Capacity ml	Condenser Jacket mm	Inter-changeable Joint	Quantity Per Case	Price / Piece ₹
3360024	500	200	19 / 26	2 Set	3190.00

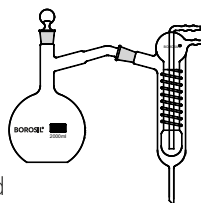
Spares are available on request



3380- DISTILLING APPARATUS

with Friedrichs Condenser, Interchangeable Joint and Stopper

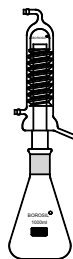
- Ideal for batch production of high purity distilled water
- General purpose Batch Distillation Assembly equipped with an interchangeable stoppered neck that facilitates addition
- The Flask has a flat base with a delivery tube on the side
- Comes with Friedrich's Spiral Condenser for higher distillation rates



Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case	Price / Piece ₹
3380030	2000	24 / 29	1 Set	3944.00

Spares are available on request





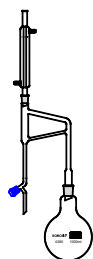
3440-DISTILLING APPARATUS

Compact with Friedrichs
Condenser, Interchangeable Joint

- A compact distillation assembly with specially designed Friedrich's Condensers
- This Condenser is designed with vapour tubing rising at the top
- A 1000 ml Erlenmeyer Flask is provided with an interchangeable 34/35 joint

Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case	Price / Piece ₹
3440029	1000	34 / 35	2 Set	3834.00

Spares are available on request



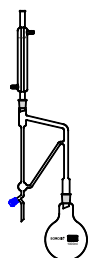
3450-ESSENTIAL OIL DETERMINATION APPARATUS

(Clevenger Apparatus), as per IS 1797,
for Oil Heavier Than Water

- This apparatus is ideal for estimation of volatile oil that is heavier than water
- Comes with a 5 ml Receiver with stopcock, an Oil Separator Tube, a condenser and 1000 ml flask

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3450029	1000	1 Set	7337.00
3450030	2000	1 Set	Price on request
3450033	5000	1 Set	Price on Request
3450038	10000	1 Set	Price on Request
3450040	20000	1 Set	Price on Request

Spares are available on request



3451-ESSENTIAL OIL DETERMINATION APPARATUS

(Clevenger Apparatus, for Oil Lighter Than Water)

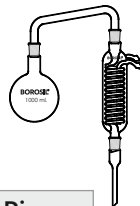
- Ideal for estimation of volatile oil that is lighter than water
- Comes with a 5 ml Receiver with stopcock, an Oil Separator Tube, a condenser and 1000 ml flask

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3451029	1000	1 Set	7337.00
3451030	2000	1 Set	Price on Request
3451033	5000	1 Set	Price on Request
3451038	10000	1 Set	Price on Request
3451040	20000	1 Set	Price on Request

Spares are available on request

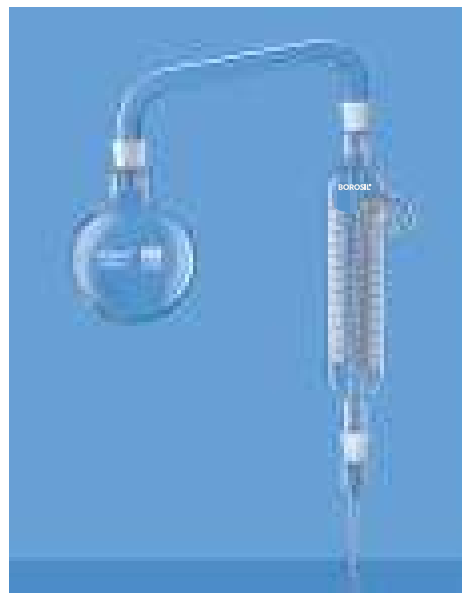
3452 - ALCOHOL DISTILLATION UNIT

- Ideal for distilling alcohol in the laboratory to produce the purest grade
- Thorpe's revenue still for purification of ethyl alcohol



Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3452029	1000	1 Set	9125.00

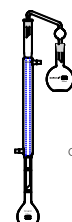
Spares are available on request



Distilling Apparatus

3454 - R M VALUE APPARATUS

- Ideal for use in dairy industries
- Facilitates the determination of butter fat, and the analysis of oil, fat and waxes



Cat No. 3454A22

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3454022	300	1	1623.00
3454A22*	300	1	1623.00

* As per IS 548 Part I Standard

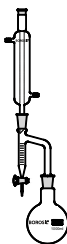
Spares are available on request



3602-DISTILLING APPARATUS

Dean And Stark, Moisture Test,
(as per IP Specifications)

- Made of 3.3 borosilicate glass
- Uniform wall distribution of the Flask makes it suitable for heating
- Consists of a graduated 10 ml Receiver with 0.1 intervals



Product Code	Capacity of Receiver ml	Quantity Per Case	Price / Piece ₹
3602005	5	1 set	2458.00
3602006	10	2 Set	2624.00

Spares are available on request

Consists of receiver 5ml / 10 ml graduated with 19 / 26 outer joint and 24 / 29 inner joint, round bottom flask 1000 ml with 24 / 29 outer joint and Liebig condenser 200 mm with 19 / 26 joint. The 10 ml receiver is graduated from 1 ml to 10 ml in 0.1 ml intervals.



Water Distillation Units

Distillation removes organics, inorganic impurities, as well as colloidal solids from water.

Borosil glass distillation units continue to be the most effective and economical method of producing pure water for laboratory use.

By contrast, de-ionisers are effective only in removing those substances that are ionised. Moreover, the resins contribute organic impurities to water, resulting in an environment conducive to bacterial growth in course of time.

Borosil distillation units are designed to produce a distillate of consistent purity. The unit consists of horizontal borosilicate boilers, condensers and a quartz heater. All the parts are replaceable.



All Glass Distillation Unit

3361 - ALL GLASS SINGLE DISTILLATION UNIT

With Borosilicate Boiler, Borosilicate Condenser & Quartz Heater,
Horizontal Type



Water Distillation
Unit

Particulars/ Model	3361		
Dist. Water output cap (Approx) (Ltr/hr)	1.5	2.5	4
Minimum cooling water requirement (Ltr/ min)	1	1.5	2
Total Power consumed (Kw)	1.5	2.2	3.5
Conductivity (S/ cm) *	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$
Distillation Temp (°C)	65 - 75°C	65 - 75°C	65 - 75°C
Voltage (V)	230 - 250 V	230 - 250 V	230 - 250 V
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free
Heater	Quartz	Quartz	Quartz
Boiler	Borosilicate	Borosilicate	Borosilicate
Condenser	Borosilicate	Borosilicate	Borosilicate
HSN Code	84194090	84194090	84194090
Product code	3361041	3361042	3361032
Price / Unit - ₹	21480.00	34720.00	40200.00

* Inlet water TDS < 100 ppm

STANDARD ACCESSORIES FOR CAT NO. 3361

Product Code	For Cat No.	Output Capacity (Lt/Hr)	Description	HSN Code	Price / Piece ₹
3366141	3361	1.5	Distillation Appartus Power Supply (DAPS)	85362090	12330.00
3366142	3361	2.5	Distillation Appartus Power Supply (DAPS)	85362090	12330.00
3366132	3361	4.0	Distillation Appartus Power Supply (DAPS)	85362090	12330.00

ACCESSORIES FOR DISTILLATION UNIT FOR CAT NO. 3361

Product Code	For Cat No.	Output Capacity (Lt/Hr)	Description	HSN Code	Price / Piece ₹
0336011	3361	1.5	Borosilicate Boiler with Water Leveller	70179090	5920.00
0361021	3361	1.5	Condenser	70179090	4650.00
0336012	3361	1.5	Quartz new type heater B-34	84194090	5840.00
0336031	3361	2.5	Borosilicate Boiler with Water Leveller	70179090	8370.00
0361041	3361	2.5	Condenser	70179090	8130.00
0336013	3361	2.5	Quartz new type heater B-45	84194090	8240.00
0336021	3361	4.0	Borosilicate Boiler with Water Leveller	70179090	14510.00
0362021	3361	4.0	Condenser	70179090	12360.00
0336022	3361	4.0	Quartz new type heater B-50	84194090	10300.00



3362 - ALL GLASS DOUBLE DISTILLATION UNIT

With Borosilicate Boiler, Borosilicate Condenser & Quartz Heater, Horizontal Type

Particulars/ Model	3362		
Dist. Water output cap (Approx) (Ltr/hr)	1.5	2.5	4
Minimum cooling water requirement (Ltr/ min)	2	2.5	2.5
Total Power consumed (Kw)	3	5.5	7
Conductivity (S/ cm)*	$<1 \times 10^{-6}$	$<1 \times 10^{-6}$	$<1 \times 10^{-6}$
Distillation Temp (°C)	65 - 75°C	65 - 75°C	65 - 75°C
Voltage (V)	230 - 250 V	230 - 250 V	230 - 250 V
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free
Heater	Quartz	Quartz	Quartz
Boiler	Borosilicate	Borosilicate	Borosilicate
Condenser	Borosilicate	Borosilicate	Borosilicate
HSN Code	84194090	84194090	84194090
Product code	3362041	3362042	3362032
Price / Unit - ₹	39680.00	73110.00	81310.00

* Inlet water TDS < 100 ppm

STANDARD ACCESSORIES FOR CAT NO. 3362

Product Code	Cat No.	Output Capacity (Lt/Hr)	Description	HSN Code	Price / Piece ₹
3366241	3362	1.5	Distillation Appartus Power Supply (DAPS)	85362090	13,690.00
3366242	3362	2.5	Distillation Appartus Power Supply (DAPS)	85362090	13,690.00
3366232	3362	4.0	Distillation Appartus Power Supply (DAPS)	85362090	13,690.00

ACCESSORIES FOR DISTILLATION UNIT FOR CAT NO. 3362

Product Code	Cat No.	Output Capacity (Lt/Hr)	Description	HSN Code	Price / Piece ₹
0336011	3362	1.5	Borosilicate Boiler with Water Leveller	70179090	5920.00
0361021	3362	1.5	Condenser	70179090	4650.00
0336012R	3362	1.5	Primary Quartz new type heater B-34	84194090	5840.00
0336012B	3362	1.5	Secondary Quartz new type heater B-34	84194090	5720.00
0336031	3362	2.5	Borosilicate Boiler with Water Leveller	70179090	8370.00
0361041	3362	2.5	Condenser	70179090	8370.00
0336013R	3362	2.5	Primary Quartz new type heater B-45	84194090	8240.00
0336013B	3362	2.5	Secondary Quartz new type heater B-45	84194090	8240.00
0336021	3362	4.0	Borosilicate Boiler with Water Leveller	70179090	14510.00
0362021	3362	4.0	Condenser	70179090	12360.00
0336022R	3362	4.0	Primary Quartz new type heater B-50	84194090	10300.00
0336022B	3362	4.0	Secondary Quartz new type heater B-50	84194090	10300.00

Mono Quartz Distillation Unit

The supply of pyrogen-free distilled water is a basic requisite for research, analytical and industrial laboratories. Distilled water from metallic units does not meet the required standards. Moreover, such units are bulky and cumbersome.

Borosil Mono Quartz Distillers are very compact and are constructed of high purity quartz, thereby meeting the standard of analytical laboratories, where the purity of distilled water that is free from metallic ions and bacteria, is the chief criterion.

The boiler is made of high purity quartz and the condenser is made of borosilicate/quartz material. The built-in heater ensures minimum loss of heat, and production of distilled water in 2 to 3 minutes. The Unit is mounted on a powder-coated metal stand with electrical connections, and is easy to dismantle and assemble. The fibre glass insulated wire and silicone rubber boot resist high temperatures.



3363 - MONO QUARTZ DISTILLATION UNIT

Panel Mounted with Quartz Boiler & Borosilicate Condenser, Vertical Model

Particulars/ Model	3363		
Dist. Water output cap (Approx) (Ltr/hr)	2.5	5	10
Minimum cooling water requirement (Ltr/ min)	1	2	2.5
Total Power consumed (Kw)	2.2	4.4	8.8
Conductivity (S/ cm)*	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$
Voltage (V)	230 - 250 V	230 - 250 V	230 - 250 V
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free
Boiler	Quartz	Quartz	Quartz
Condenser	Borosilicate	Borosilicate	Borosilicate
HSN Code	84194090	84194090	84194090
Product code	3363042	3363033	3363038
Price / Unit - ₹	35970.00	67920.00	153590.00

* Inlet water TDS < 100 ppm

STANDARD ACCESSORIES FOR CAT NO. 3363

Product Code	For Cat No.	Output Capacity (Lt/Hr)	Description	HSN Code	Price / Piece ₹
3366342	3363	2.5	Distillation Appartus Power Supply (DAPS)	85362029	12350.00
3366333	3363	5.0	Distillation Appartus Power Supply (DAPS)	85362090	13690.00
3366338	3363	10.0	Distillation Appartus Power Supply (DAPS)	85362090	25420.00

ACCESSORIES FOR DISTILLATION UNIT FOR CAT NO. 3363

Product Code	For Cat No.	Output Capacity (Lt/Hr)	Description	HSN Code	Price / Piece ₹
0363012	3363	2.5	Quartz Boiler	84194090	24530.00
0362022	3363	2.5	Borosilicate Condenser	70179090	4650.00
0363032	3363	5.0	Quartz Boiler	84194090	48300.00
0363S00	3363	5.0	Borosilicate Condenser	70179090	15950.00
0363S02	3363	10.0	Quartz Boiler	84194090	84680.00
0363S03	3363	10.0	Borosilicate Condenser	70179090	32260.00

Water Distillation Unit



3364 - MONO QUARTZ DISTILLATION UNIT

Panel Mounted with Quartz Boiler And Quartz Condenser, Vertical Model

Particulars/ Model	3364	
Dist. Water output cap (Approx) (Ltr/hr)	2.5	5
Minimum cooling water requirement (Ltr/ min)	1	2
Total Power consumed (Kw)	2.2	4.4
Conductivity (S/ cm)*	$<2 \times 10^{-6}$	$<2 \times 10^{-6}$
Voltage (V)	230 - 250 V	230 - 250 V
Biological Activity	Pyrogen Free	Pyrogen Free
Boiler	Quartz	Quartz
Condenser	Quartz	Quartz
HSN Code	84194050	84194050
Product code	3364042	3364033
Price / Unit - ₹	61540.00	117310.00

* Inlet water TDS < 100 ppm

STANDARD ACCESSORIES FOR CAT NO. 3364

Product Code	For Cat No.	Output Capacity (Lt/Hr)	Description	HSN Code	Price / Piece ₹
3366442	3364	2.5	Distillation Appartus Power Supply (DAPS)	84194090	12350.00
3366433	3364	5.0	Distillation Appartus Power Supply (DAPS)	84194090	13670.00

ACCESSORIES FOR DISTILLATION UNIT FOR CAT NO. 3364

Product Code	For Cat No.	Output Capacity (Lt/Hr)	Description	HSN code	Price / Piece ₹
0363012	3364	2.5	Quartz Boiler	84194090	24530.00
0364023	3364	2.5	Quartz Condenser	70171000	24360.00
0363032	3364	5.0	Quartz Boiler	84194090	48300.00
0364S01	3364	5.0	Quartz Condenser	70171000	56000.00

All Quartz Double Distillation Unit

The unit consist of Primary Boiler with built-in heater. The Primary Boiler has a 'O' ring groove at the top on which a silicone 'O' Ring sits. The Secondary Boiler with Condenser is mounted on the Primary Boiler.

A Double wall Condenser ensures separate condensation of vapor coming from the two Boilers using a single cooling circuit. The whole unit is mounted on powder coated stand with Electrical Terminals for easy connection either to the mains or DAPS (Distillation Apparatus Power Supply). The bottom outlet is connected to a 'T' joint of which limb is connected by a rubber tubing & pinch cock for cleaning sediments in Primary Boiler by acid wash and other limb to the water leveller of 'DAPS'.

- **Demountable Model - Primary Boiler easy to dismantle**
- **Innovative Design - "O" Ring with Primary Boiler**
- **New Condenser Unit - Water inlet & outlet at top of the unit**

3365 - ALL QUARTZ DOUBLE DISTILLATION UNIT

Demountable Boiler Panel Series, Vertical Model

Particulars/ Model	3365		
Dist. Water output cap (Approx) (Ltr/hr)	1.5	2.5	5
Minimum cooling water requirement (Ltr/ min)	1	2	2.5
Total Power consumed (Kw)	3	4.4	8.8
Conductivity (S/ cm)*	<1 x 10 ⁻⁶	<1 x 10 ⁻⁶	<1 x 10 ⁻⁶
Voltage (V)	230 - 250 V	230 - 250 V	230 - 250 V
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free
Boiler	Quartz	Quartz	Quartz
Condenser	Quartz	Quartz	Quartz
HSN Code	84194090	84194090	84194090
Product code	3365041	3365042	3365033
Price / Unit - ₹	99110.00	183090.00	334280.00

* Inlet water TDS < 100 ppm

Note : Because of difficulties associated with measurement of the pH value of high purity water and the doubtful significance values obtained, limits for the pH value of grade 1 & grade 2 water have not been specified

STANDARD ACCESSORIES FOR CAT NO. 3365

Product Code	For Cat No.	Output Capacity (Lt/Hr)	Description	HSN Code	Price / Piece ₹
3366541	3365	1.5	Distillation Appartus Power Supply (DAPS)	85362090	13010.00
3366542	3365	2.5	Distillation Appartus Power Supply (DAPS)	85362090	13670.00
3366533	3365	5.0	Distillation Appartus Power Supply (DAPS)	85362090	25800.00

ACCESSORIES FOR DISTILLATION UNIT FOR CAT NO. 3365

Product Code	For Cat No.	Output Capacity	Description	HSN Code	Price / Piece ₹
0362013	3365	1.5	Primary Boiler	84194090	25310.00
0362015	3365	1.5	Secondary Boiler	84194090	96740.00
0362063	3365	1.5	Receiving Adapter with spring	70179090	1720.00
0362014	3365	2.5	Primary Boiler	84194090	31560.00
0362016	3365	2.5	Secondary Boiler	84194090	134600.00
0362063	3365	2.5	Receiving Adapter with spring	70179090	1720.00
0362504	3365	5.0	Primary Boiler	84194090	49720.00
0363505	3365	5.0	Secondary Boiler	84194090	260010.00
0362063	3365	5.0	Receiving Adapter with spring	70179090	1720.00
0362052	3365		Silicon 'O' Ring	40091100	520.00



Water Distillation Unit



3370 - CABINET STILL UNIT

- Designed with an inbuilt level sensor and cut-off device in case the water in the Boiler drops below the desired level
- Cleaning is easier due to the integral funnel that facilitates addition of acid to the Boiler and rota-flow stopcock for draining out sediments
- The unique design of the Condenser ensures effective cooling and low distillate temperature
- The acrylic safety screen and cabinet lid are removable, enabling easy access to the glassware components

Particulars/ Model	3372
Dist. Water output cap (Approx) (Ltr/hr)	4
Minimum cooling water requirement (Ltr/ min)	2
Total Power consumed (Kw)	3
Conductivity (S/ cm)*	$<31 \times 10^{-6}$
Distillation Temp ($^{\circ}$ C)	65 - 75 $^{\circ}$ C
Voltage (V)	230 - 250 V
Biological Activity	Pyrogen Free
Heater	Quartz
Boiler	Borosilicate
Condenser	Borosilicate
HSN Code	84194090
Product code	3370032
Price / Unit - ₹	74660.00

* Inlet water TDS < 100 ppm

ACCESSORIES FOR CABINET STILL CAT NO. 3370

Product Code	Cat No.	Description	HSN Code	Price / Piece ₹
3370S01	3370	Borosilicate Boiler With Leveller	70179090	17360.00
3370S02	3370	Borosilicate Condenser	70179090	13030.00
3370S03	3370	Quartz B - 50 Heater	84194090	17360.00
3370S04	3370	DAPS	85362090	13030.00

Eco MS : All Glass Single Distillation System

- Single distilled
- With acid addition funnel & drain stopcock
- Unique condenser design for maximum output
- Safety thermostat to prevent over heating in the event of water supply failure



Water Distillation
Unit

Model	Eco MS
Output per hour	4 Lit / Hr
Typical pH	5.0 - 6.5
Conductivity	3.0 - 4.0
Pyrogen Content*	Pyrogen free
Water Supply	1 Lit / minute, 3 - 100 psi (20 - 700kPa)
Electricity Supply	220 - 240 V, 50 - 60 Hz, Single Phase
Power Requirement	3 kw
Dimensions (W x D x H)	500 x 150 x 450 mm
Product Code	100336104LG00M
Price	35,000.00

* Inlet water TDS < 100 ppm

3369 - Silicone tubing for distillation unit & laboratory application

*Heat Resistance Temperature Range : -40°C To +205°C

The technical data given by Borosil must be used as a guide only. Borosil does not guarantee the accuracy of information and is not responsible for its end use.



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

336900 - 8mm x 12mm is used for 3361-1.5, 3362-1.5, 3363-2.5 series

3369004 - 10mm x 14mm is used for 3361-4I, 3362-4I, 3364-2.5I, 5I, 3365-1.5I, 2.5I, 5I, 3363-5I, 10I.

Product Code	Size mm	Quantity per case	HSN Code	Price for 10 Meter ₹ in mtr
3369001	4mm ID x 7mm OD	10	40091100	1230.00
3369002	6 mm ID x 9 mm OD	10	40091100	1600.00
3369003	8 mm ID x 12 mm OD	10	40091100	3350.00
3369004	10 mm ID x 14 mm OD	10	40091100	4210.00

COD Digestion Unit

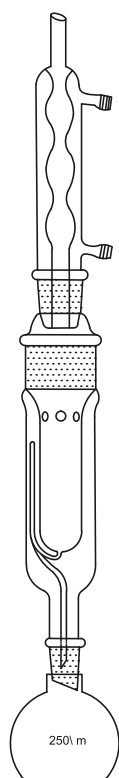


The COD Digestion Unit is used for determination of Chemical Oxygen Demand in effluents. The unit consists of:

- 1) Aluminium block heating unit with provision to keep 8 or 15 samples at a time in 40 mm diameter reaction vessels.
- 2) Air Condensers
- 3) Digital PID temperature indicator cum controller with built in timer for temperatures up to 250 °C
- 4) Insert rack to hold the digestion tube with Air Condenser.

Product	Description	HSN Code	Price / Piece ₹
100COD000008	8 Test COD Digestion Apparatus	84194090	1,28,030.00
100COD000015	15 Test COD Digestion Apparatus	84194090	2,07,110.00
100CODSGT250	COD digestion tubes 250 ml, 5pc / pack	70179090	8,280.00
100CODSAC000	COD Air Condenser, 5pc / pack	70179090	9,400.00

Soxhlet Hot Extraction



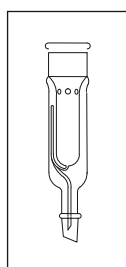
The new jacketed design protects the siphon from breakage and permits the extraction at the boiling point of the solvent. During extraction process the inner cup is enveloped in ascending solvent vapors.

The hot extraction process reduces time considerably. Compared with condensed solvent in the classical soxhlet method where the solvent temperature is below the boiling point, this method is faster because analytes are more soluble in hot vapor than in cold to warm solvent.

It not only reduces time of extraction, but also reduces power and is very easy in handling

Product	Description	HSN Code	Price / Piece ₹
100JHE000000	Jacketed Hot Extraction Unit with 250ml flat bottom flask	70179090	6,440.00
100JHESGE100	Spare Extractor 100ml	70179090	3,810.00

*Till stock lasts



Extractor 100ml

SOXHLET EXTRACTION :

Borosil® Extraction apparatus for the quantitative determination of the fat content by Soxhlet method are available to accommodate extraction of one, four or six samples.

The fat determination is applicable to a wide variety of foods:

- 1) **Meat and poultry products**
- 2) **Cereals and feed**
- 3) **Confectionery, milk and dairy products**

Features:

- Each sample position is individually adjustable with individual energy regulator.
- Effective coil condenser with both inlet and outlet at top for easy handling.
- Practical stand for holding condensers securely between extractions.
- Mounts for safely holding glass parts after removal of the flask.
- Supplied with silicone tubing, glass parts and compact stand.
- Efficient **heating block** with aluminium cup ensures uniform heating.
- Aluminium cup can be filled with water to make the instrument act like a water bath. It is a safety measure.

Ordering Information

Product Code	Extractor Capacity ml	Position	Flask Capacity ml	Extractor Capacity ml	Dimension W x D x H mm	Weight kgs	Power kw	Price / Unit ₹
100SFE00012116	1-100	1	250	100	220 X 300 X 730	7	0.5	25,360.00
100SFE00042116	4-100	4	250	100	660 x 300 x 730	12	2	69,760.00
100SFE00062116	6-100	6	250	100	1000 x 300 x 800	15	3	1,01,540.00
100SFE00012420	1-200	1	500	200	220 x 300 x 730	7	0.5	34,880.00
100SFE00042420	4-200	4	500	200	660 x 300 x 730	12	2	82,490.00
100SFE00062420	6-200	6	500	200	1000 x 300 x 800	15	3	1,26,900.00

For products listed on the above table use HSN code 84194090

ACCESSORIES PARTS FOR SOXHLET APPARATUS

Product Code	Description	Price / Unit ₹
100SFE1GF02100	Flask: 250 ml*	330.00
100SFE1GE00016	Extractor: 100 ml*	1,430.00
100SFE1GC00016	Condenser for 100ml Extractor*	5,720.00
100SFE1ST00000	Silicone tubing: 8 X 12 - 10 meters	3810.00
100SFE1HB10016	Heating block for FAT 1 - 100	12,690.00
100SFE1HB40016	Heating block for FAT 4 - 100	38,080.00
100SFE1HB60016	Heating block for FAT 6 - 100	50,770.00
100SFE1GF10020	Flask: 500 ml* - 1 pc	480.00
100SFE1GE40020	Extractor: 200 ml*	2,390.00
100SFE1GC60020	Condenser for 200ml Extractor*	7,150.00
100SFE1HB10020	Heating block for FAT 1 - 200	17,460.00
100SFE1HB40020	Heating block for FAT 4 - 200	44,430.00
100SFE1HB60020	Heating block for FAT 6 - 200	63,460.00

For products listed on the above table use * HSN code 70179090 and the other products HSN code 84194090

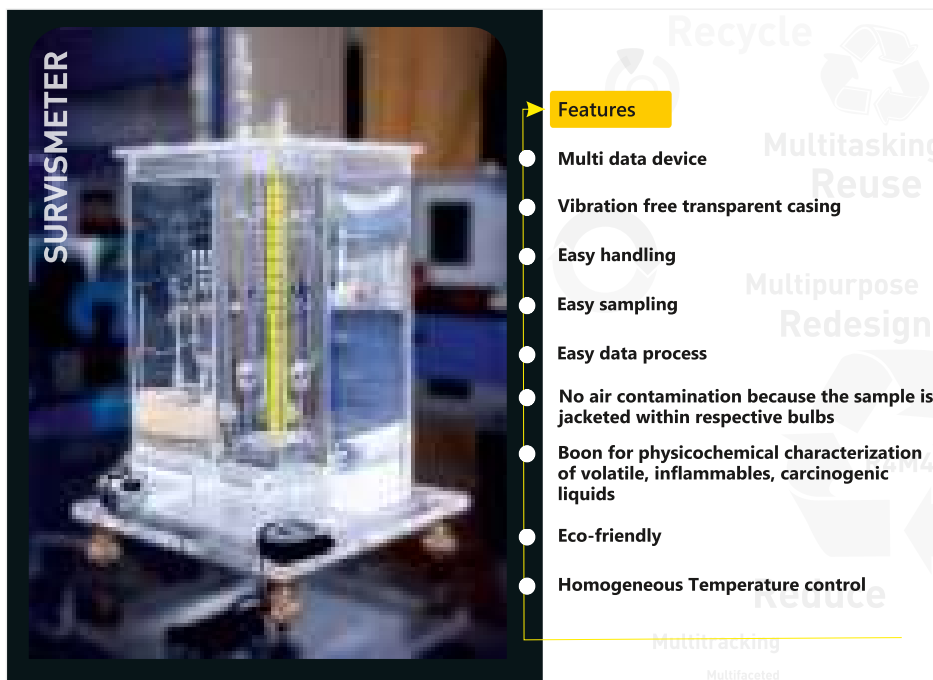
Fat Determination Apparatus



Fat Determination Apparatus

Mansingh Survismeter

(Singapore Govt. Patent No. 126089)



Cat. No.	Description	Quantity Per Case	Price ₹
3453	Borosil Mansingh Survismeter For Measurement of surface Tension and Viscosity	1 Set	97500.00

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 ($\pm 10^{-4}$ mPa.S), wetting coefficient (± 0.01 mPa.cm²) friccohesity ($\pm 10^{-6}$ 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.

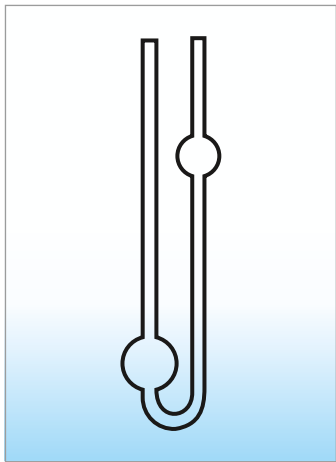
Viscometer

3500-VISCOMETER COLLEGE PATTERN

Oswal 80 -100 Seconds, Uncertified

Product Code	Size	Nominal Constant	Viscosity Range (CS)	Quantity Per Case	Price / Piece ₹
3500	O	0.001	0.3 - 3	10	1850.00

- Supplied without Certificate



Extractors

Liquid Solid Extraction involves the elution of a solid sample with pure solvent vapour. The sample is held in the Extractor body either directly or in a thimble. The siphoning type of Soxhlet Extractor finds the widest application in laboratory work. Borosil Soxhlet Extraction Apparatus is available in six sizes. The component parts of the apparatus are provided with interchangeable joints for greater flexibility.

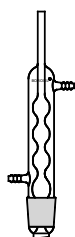


3740 - EXTRACTORS

Soxhlet, Interchangeable Joint

- Complies with IS 10640
- Made of borosilicate glass
- Designed with a bulb in the siphon tube near the top, to aid the siphoning action
- The vapour tube also protects the siphon tube from accidental damage

Product Code	Capacity ml	Interchangeable Joints		Quantity Per Case	Price / Piece ₹
		Socket	Cone		
3740013	60	34 / 35	24 / 29	5	778.00
3740016	100	40 / 38	24 / 29	5	1100.00
3740020	200	50 / 42	24 / 29	5	1328.00



3741 - CONDENSERS, ALLIHN

For Soxhlet Extraction Apparatus

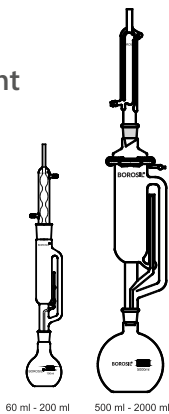
- Made of borosilicate glass
- Greater surface area than the Liebig Condenser owing to a series of bulbs, resulting in higher cooling capacity
- Ideal for laboratory scale refluxing

Product Code	Capacity ml	Interchangeable Joints	Quantity Per Case	Price / Piece ₹
		Cone		
3741013	Small	34 / 35	5	637.00
3741016	Medium	40 / 38	5	794.00
3741020	Large	50 / 42	5	1145.00

3840 - EXTRACTION APPARATUS

Soxhlet Complete With Allihn Condenser Interchangeable Joint

- Complies with IS 10640
- Used for separation of the extract from the liquid or solid
- Greater surface area than the Liebig Condenser owing to a series of bulbs, resulting in higher cooling capacity
- This method enables effective separation, with relatively small quantities of solvent
- Ideal for laboratory scale refluxing



Product Code	Capacity ml	Flask Size ml	Quantity Per Case Set	Price / Piece ₹
3840013	60	150	1	1615.00
3840016	100	250	1	1901.00
3840020	200	500	1	3132.00
3840024	500*	2000	1	11362.00
3840029	1000*	3000	1	16972.00
3840030	2000*	5000	1	28652.00

Spares are available on request

For flask refer Cat No. 4100
 * Extractor Supplied are with double surface condenser for higher cooling capacity & flange type soxhlet extractors



Extractors

Flasks

All laboratories need Flasks of different types. **Borosil** offers a wide range of Flasks for a variety of applications such as boiling, culture, distilling, Erlenmeyer, Filtering, Iodine and Kjeldahl. Choose one to suit your needs.

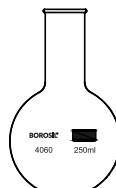
BOROSIL® brand Flasks are designed to deliver the best combination of thermal shock resistance, physical strength and resistance to chemical attack. They are made so as to withstand the demands of the modern laboratory. Flasks with interchangeable joints are particularly suitable for all glass apparatus assemblies. **Borosil** offers the interchangeable joints most commonly specified for a particular capacity. Tube Adaptors Category Nos. 8800 and 8820 can be used to connect the Flask with a particular size joint to any other apparatus having a different size joint.



4060 - FLASKS

Boiling, Flat Bottom

- Complies with IS 1381 (Part - I), ISO 1773
- Uniform wall thickness distribution makes these Flasks ideal for heating
- All sizes have a durable matt-finished enamelled area for marking



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	93.00
4060012	50	51 x 90	26	50	108.00
4060016	100	64 x 105	26	80	118.00
4060018	150**	75 x 132	28	10	124.00
4060021	250	85 x 140	34	80	134.00
4060022	*300**	88 x 160	24	20	191.00
4060024	500	105 x 165	34	40	221.00
4060029	1000	131 x 190	42	20	319.00
4060030	2000	166 x 230	50	2	613.00
4060031	3000	186 x 300	50	4	1684.00
4060033	5000	224 x 320	58	2	2755.00
4060034	6000	236 x 340	65	1	3981.00
4060038	10000	279 x 360	65	1	6427.00
4060040	20000**	350 x 495	78	1	10702.00

* Suitable for use in Polenske Apparatus

** Not covered in standards

Flasks

4100 - FLASKS

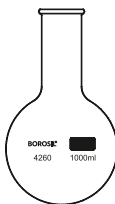
Boiling, Flat Bottom, Short Neck, Interchangeable Joint

- Complies with IS 1381 (Part - II), ISO 4797
- Uniform wall thickness distribution makes these Flasks ideal for heating
- All sizes have a durable matt-finished enamelled area for marking
- Equipped with interchangeable joint
- The flat base ensures that the Flask can be placed down even without the supporting ring



Product Code	Capacity ml	Interchangeable Joint	Approx Height mm	Quantity Per Case	Price / Piece ₹
4100018	150	24 / 29	115	5	198.00
4100021	250	24 / 29	130	5	213.00
4100024	500	24 / 29	160	5	307.00
4100029	1000*	34 / 35	288	2	400.00
4100030	2000*	34 / 35	321	2	712.00
4100031	3000*	34 / 35	345	2	1950.00
4100033	5000*	34 / 35	381	2	3323.00

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



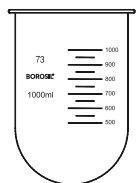
4260 - FLASKS

Boiling, Round Bottom

- Complies with IS 1381 (Part I), ISO 1773
- Uniform wall thickness distribution makes these Flasks ideal for heating
- All sizes have a durable matt-finished enamelled area for marking

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	93.00
4260012	50	51 x 95	26	70	103.00
4260016	100	64 x 110	26	50	118.00
4260018	150**	75 x 137	28	10	124.00
4260021	250	85 x 143	34	80	124.00
4260024	500**	105 x 168	34	40	216.00
4260029	1000	131 x 200	42	20	294.00
4260030	2000	166 x 240	51	2	659.00
4260031	3000	190 x 305	50	2	1653.00
4260033	5000**	224 x 350	58	2	2724.00
4260034	6000	236 x 330	65	1	3559.00
4260038	10000	279 x 380	65	1	5691.00
4260040	20000**	350 x 505	78	1	10460.00

** Not covered in standards

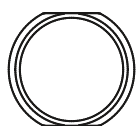
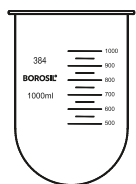


4265-E-FLASK

Without Side Cut For Dissolution Apparatus as per USP, with Certificate

- Vessels confirms to all requirements of USP Ch. 711
- Smooth hemispherical base with no flaws or defects, straight sides and a flat flange
- Graduated in intervals of 50ml
- Ideal for determining the dissolution characteristics of drugs in capsules and tablets

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
4265029	1000	131 x 173	6	2415.00



4266-L-Flask

With Side Cut For Dissolution Apparatus, as per USP with Certificate

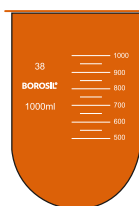
- These vessels conform to all the requirements of USP Ch. 711
- Smooth hemispherical base with no flaws or defects, straight sides and a flat flange
- Two side-cuts at the flange
- Graduated in intervals of 50ml
- Ideal for determining the dissolution characteristics of drugs in capsules and tablets

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
4266029	1000	124 x 173	6	2580.00

4267-E-Flask

For Dissolution Apparatus as per USP,
Amber, with Certificate

- These vessels conform to all the requirements of USP Ch. 711
- Smooth hemispherical base with no flaws or defects, straight sides and a flat flange
- Graduated in intervals of 50 ml
- Ideal for determining the dissolution characteristics of drugs in capsules and tablets
- Coloured in Amber to protect light-sensitive material
- The Amber colour is applied only to the external surface to prevent contamination with the testing material

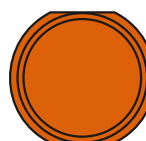
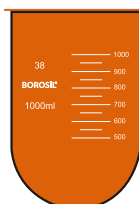


Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
4267029	1000	131 x 173	6	4352.00

4268-L-FLASK

With Side Cut For Dissolution Apparatus
as per USP, Amber, With Certificate

- These vessels conform to all the requirements of USP Ch. 711
- Smooth hemispherical base with no flaws or defects, straight sides and a flat flange
- Two side-cuts at the range
- Graduated in intervals of 50 ml
- Ideal for determining the dissolution characteristics of drugs in capsules and tablets
- Coloured in Amber to protect light-sensitive material
- The Amber colour is applied only to the external surface to prevent contamination with the testing material

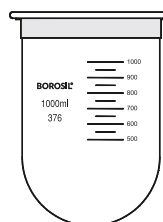


Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
4268029	1000	124 x 173	6	4774.00

4270-D-FLASKS

for Dissolution Apparatus without side cut,
as per USP with Certificate, with silicon ring

- Vessels confirms to all requirements of USP Ch. 711
- Smooth hemispherical base with no flaws or defects, straight sides and a flat flange
- Graduated in intervals of 50ml
- Ideal for determining the dissolution characteristics of drugs in capsules and tablets



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
4270029	1000	132 x 168	6	8873.00

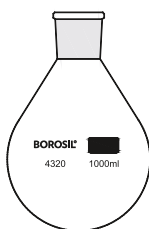


4315 - FLASKS

Boiling, Pear Shaped, Short Neck
with Interchangeable Joint

- Made of 3.3 borosilicate glass
- The conical shape makes them ideal for small scale reaction
- Large labelling field

Product Code	Capacity ml	Interchangeable Joint Size	Quantity Per Case	Price / Piece ₹
4315005	5	10 / 19	10	140.00
4315105	5	14 / 23	10	140.00
4315006	10	10 / 19	10	151.00
4315106	10	14 / 23	10	151.00
4315009	25	14 / 23	5	172.00
4315012	50	14 / 23	10	192.00



4320 - FLASKS

Pear Shape Suitable for Rotary
Evaporators with Ground Socket

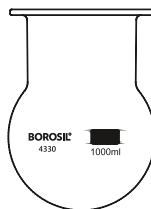
- Rota Vapour Flasks are used along with Rotary Evaporators
- Ideal for heating sensitive solvent solute combinations
- Facilitate the extraction of key components like odour, oil, drugs, natural extract and fragrance

Product Code	Capacity ml	Interchangeable Joint Size	Quantity Per Case	Price / Piece ₹
4320112	50	24 / 29	2	920.00
4320012	50	29 / 32	2	970.00
4320116	100	24 / 29	2	1460.00
4320016	100	29 / 32	2	1560.00
4320121	250	24 / 29	2	2195.00
4320021	250	29 / 32	2	2315.00
4320124	500	24 / 29	2	2515.00
4320024	500	29 / 32	2	2610.00
4320129	1000	24 / 29	2	4440.00
4320029	1000	29 / 32	2	4560.00
4320130	2000	24 / 29	2	5725.00
4320030	2000	29 / 32	2	5865.00

4330 - FLASKS

(Vessels) Reaction, Wide Mouth
with Flat Flange, 100 mm ID, 150mm OD

- These Flasks have a spherical body with a neck of inner diameter 4 inches (approx 100 mm)
- The top is finely ground to ensure a leak-resistant fit with the cover

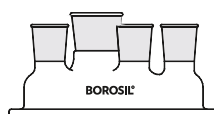


Product Code	Capacity ml	Approx Height mm	Quantity Per Case	Price / Piece ₹
4330029	1000	170	2	1617.00
4330030	2000	205	2	2200.00
4330033	5000	260	2	4820.00
4330038	10000	335	1	10171.00
4330040	20000	400	1	17503.00

Flasks

4331-LIDS

for Flasks Reaction Cat No. 4330,
Flat Flange and Inter-changeable Joint



Product Code	Interchangeable Joint Size					Quantity Per Case	Price / Piece ₹
	Centre	Parellel	Side 5°	Side 10°	Side 15°		
4331Z97	19 / 26	19 / 26	24 / 29	19 / 26	-	2	3796.00
4331Z98	19 / 26	14 / 23	14 / 23	14 / 23	29 / 32	2	3796.00
4331Z99	29 / 32	14 / 23	14 / 23	14 / 23	29 / 32	2	3796.00





4380 - FLASKS

Boiling, Round Bottom, Short Neck, With Interchangeable Joint

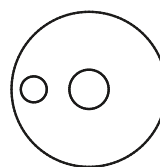
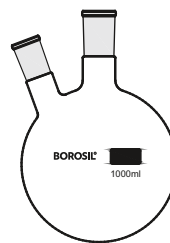
- Made of 3.3 borosilicate glass
- Uniform wall thickness distribution and the round - bottom shape make them ideal for heating
- Generally used in distillation and extraction processes
- Large labelling field

Product Code	Capacity ml	Approx Height mm	Interchangeable Joint	Quantity Per Case	Price / Piece ₹
4380A05	5	60	14 / 23	10	170.00
4380A06	10	65	14 / 23	10	170.00
4380A09	25	75	14 / 23	10	170.00
4380B09	25	77	19 / 26	10	170.00
4380A12	50	95	14 / 23	5	170.00
4380B12	50	95	19 / 26	5	170.00
4380C12	50	95	24 / 29	5	170.00
4380D12	50	95	29 / 32	5	170.00
4380E12	50	95	34 / 35	5	170.00
4380A16	100	120	14 / 23	20	170.00
4380B16	100	120	19 / 26	20	170.00
4380C16	100	120	24 / 29	20	170.00
4380D16	100	120	29 / 32	20	170.00
4380E16	100	120	34 / 35	20	170.00
4380A21	250	140	14 / 23	20	216.00
4380B21	250	140	19 / 26	20	216.00
4380C21	250	140	24 / 29	20	216.00
4380D21	250	140	29 / 32	20	216.00
4380E21	250	140	34 / 35	20	216.00
4380A24	500	170	14 / 23	10	309.00
4380B24	500	170	19 / 26	10	309.00
4380C24	500	170	24 / 29	10	309.00
4380D24	500	170	29 / 32	10	309.00
4380E24	500	170	34 / 35	10	309.00
4380A29	1000	210	19 / 26	10	417.00
4380B29	1000	210	24 / 29	10	417.00
4380C29	1000	210	29 / 32	10	417.00
4380D29	1000	210	34 / 35	10	417.00
4380E29	1000	210	45 / 40	10	417.00
4380F29	1000	210	55 / 44	10	417.00
4380A30	2000	240	24 / 29	4	803.00
4380B30	2000	240	29 / 32	4	803.00
4380C30	2000	240	34 / 35	4	803.00
4380D30	2000	240	45 / 40	4	803.00
4380A31	3000	240	24 / 29	4	2266.00
4380B31	3000	265	29 / 32	4	2266.00
4380C31	3000	265	34 / 35	4	2266.00
4380D31	3000	265	45 / 40	4	2266.00
4380E31	3000	265	55 / 44	4	2266.00
4380A33	5000	300	24 / 29	2	3461.00
4380B33	5000	300	29 / 32	2	3461.00
4380C33	5000	300	34 / 35	2	3461.00
4380D33	5000	300	45 / 40	2	3461.00
4380E33	5000	300	55 / 44	2	3461.00
4380A38	10000	385	34 / 35	1	6989.00
4380B38	10000	385	55 / 44	1	6989.00
4380C38	10000	385	55 / 44	1	6989.00
4380A40	20000	435	55 / 44	1	12097.00

4381 - FLASKS

Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With Interchangeable Joints

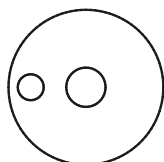
- Uniform wall thickness distribution and the round-bottom shape make them ideal for heating
- The shape facilitates uniform heating
- Accessories, thermometer, column, dropping funnels, boiling capillaries, etc., can be fitted depending upon the application
- Generally used in distillation and extraction processes
- One neck is centred and vertical. The side neck is inclined at an angle of 20° to the vertical neck



Top View



Product Code	Capacity ml	Interchangeable Joint Size		Quantity Per Case	Price / Piece ₹
		Centre Neck	Side Neck		
4381A16	100	19 / 26	14 / 23	4	247.00
4381B16	100	24 / 29	14 / 23	4	247.00
4381C16	100	24 / 29	19 / 26	4	247.00
4381A21	250	24 / 29	14 / 23	4	330.00
4381B21	250	24 / 29	19 / 26	4	330.00
4381A24	500	24 / 29	14 / 23	4	474.00
4381B24	500	24 / 29	19 / 26	4	474.00
4381A29	1000	24 / 29	14 / 23	2	592.00
4381B29	1000	24 / 29	19 / 26	2	592.00
4381A30	2000	24 / 29	14 / 23	2	1051.00
4381B30	2000	24 / 29	19 / 26	2	1051.00
4381C30	2000	34 / 35	19 / 26	2	1051.00
4381A31	3000	34 / 35	19 / 26	2	2838.00
4381B31	3000	34 / 35	24 / 29	2	2838.00
4381A33	5000	34 / 35	19 / 26	1	4161.00
4381B33	5000	34 / 35	24 / 29	1	4161.00
4381A38	10000	34 / 35	24 / 29	1	7483.00
4381B38	10000	55 / 44	24 / 29	1	7483.00
4381A40	20000	55 / 44	24 / 29	1	12460.00



Top View

4382-FLASKS

Round Bottom, Two Necks, Centre Neck and One Parallel Side Neck, with interchangeable Joints

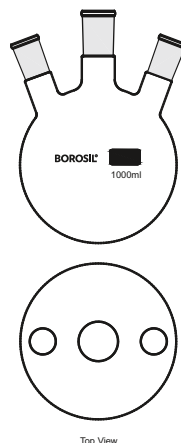
- Uniform wall thickness distribution and the round-bottom shape make them ideal for heating
- The shape facilitates uniform heating
- Accessories, thermometer, column, dropping funnels, boiling capillaries, etc., can be fitted depending upon the application
- Generally used in distillation and extraction processes
- Both the necks are vertical. One neck is centred, while the other is the side neck

Product Code	Capacity ml	Interchangeable Joint Size		Quantity Per Case	Price / Piece ₹
		Centre Neck	Side Neck		
4382A16	100	19 / 26	14 / 23	4	247.00
4382B16	100	24 / 29	14 / 23	4	247.00
4382C16	100	24 / 29	19 / 26	4	247.00
4382A21	250	24 / 29	14 / 23	4	330.00
4382B21	250	24 / 29	19 / 26	4	330.00
4382A24	500	24 / 29	14 / 23	4	474.00
4382B24	500	24 / 29	19 / 26	4	474.00
4382A29	1000	24 / 29	14 / 23	2	592.00
4382B29	1000	24 / 29	19 / 26	2	592.00
4382A30	2000	24 / 29	14 / 23	2	1051.00
4382B30	2000	24 / 29	19 / 26	2	1051.00
4382C30	2000	34 / 35	19 / 26	2	1051.00
4382A31	3000	34 / 35	19 / 26	2	2838.00
4382B31	3000	34 / 35	24 / 29	2	2838.00
4382A33	5000	34 / 35	19 / 26	1	4161.00
4382B33	5000	34 / 35	24 / 29	1	4161.00
4382A38	10000	34 / 35	24 / 29	1	7483.00
4382B38	10000	55 / 44	24 / 29	1	7483.00
4382A40	20000	55 / 44	24 / 29	1	12463.00

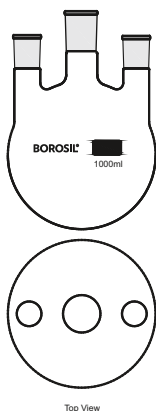
4383 - FLASKS

Round Bottom, Three Necks, Centre Neck and Two Angled Side Necks, with interchangeable Joints

- Uniform wall thickness distribution and round-bottom shape make them ideal for heating
- The shape facilitates uniform heating
- Accessories, thermometer, column, dropping funnels, boiling capillaries, etc. can be fitted depending upon the application
- Generally used in distillation and extraction processes
- The centred neck is vertical. The two side necks are 180° apart and are inclined at an angle of 20° to the vertical neck



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	340.00
4383B16	100	14 / 23	14 / 23	14 / 23	4	340.00
4383C16	100	24 / 29	14 / 23	14 / 23	4	340.00
4383D16	100	24 / 29	19 / 26	19 / 26	4	340.00
4383A21	250	19 / 26	14 / 23	14 / 23	4	438.00
4383B21	250	19 / 26	19 / 26	19 / 26	4	438.00
4383C21	250	24 / 29	14 / 23	14 / 23	4	438.00
4383D21	250	24 / 29	19 / 26	19 / 26	4	438.00
4383A24	500	19 / 26	14 / 23	14 / 23	4	654.00
4383B24	500	19 / 26	19 / 26	19 / 26	4	654.00
4383C24	500	24 / 29	14 / 23	14 / 23	4	654.00
4383D24	500	24 / 29	19 / 26	19 / 26	4	654.00
4383A29	1000	24 / 29	14 / 23	14 / 23	2	809.00
4383B29	1000	24 / 29	19 / 26	19 / 26	2	809.00
4383C29	1000	34 / 35	24 / 29	24 / 29	2	809.00
4383D29	1000	34 / 35	19 / 26	19 / 26	2	809.00
4383A30	2000	24 / 29	14 / 23	14 / 23	2	1468.00
4383B30	2000	24 / 29	19 / 26	19 / 26	2	1468.00
4383C30	2000	34 / 35	19 / 26	19 / 26	2	1468.00
4383D30	2000	34 / 35	24 / 29	24 / 29	2	1468.00
4383A31	3000	34 / 35	19 / 26	19 / 26	2	3657.00
4383B31	3000	34 / 35	24 / 29	24 / 29	2	3657.00
4383A33	5000	34 / 35	19 / 26	19 / 26	1	5765.00
4383B33	5000	34 / 35	24 / 29	24 / 29	1	5165.00
4383C33	5000	45 / 40	24 / 29	24 / 29	1	5165.00
4383A38	10000	34 / 35	19 / 26	19 / 26	1	9976.00
4383B38	10000	34 / 35	24 / 29	24 / 29	1	9976.00
4383C38	10000	45 / 40	24 / 29	24 / 29	1	9976.00
4383A40	20000	55 / 44	24 / 29	24 / 29	1	14961.00



Top View

4384 - FLASK

Round Bottom, Three Necks, Centre Neck and Two Parallel Side Necks with interchangeable Joints

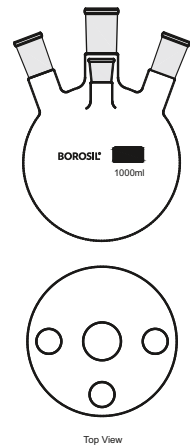
- Uniform wall thickness distribution and round-bottom shape make them ideal for heating
- The shape facilitates uniform heating
- Accessories, thermometer, column, dropping funnels, boiling capillaries, etc. can be fitted depending upon the application
- Generally used in distillation and extraction processes
- All the three necks are vertical. The two side necks are 180° apart

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	340.00
4384B16	100	14 / 23	14 / 23	14 / 23	4	340.00
4384C16	100	24 / 29	14 / 23	14 / 23	4	340.00
4384D16	100	24 / 29	19 / 26	19 / 26	4	340.00
4384A21	250	19 / 26	14 / 23	14 / 23	4	438.00
4384B21	250	19 / 26	19 / 26	19 / 26	4	438.00
4384C21	250	24 / 29	14 / 23	14 / 23	4	438.00
4384D21	250	24 / 29	19 / 26	19 / 26	4	438.00
4384A24	500	19 / 26	14 / 23	14 / 23	4	654.00
4384B24	500	19 / 26	19 / 26	19 / 26	4	654.00
4384C24	500	24 / 29	14 / 23	14 / 23	4	654.00
4384D24	500	24 / 29	19 / 26	19 / 26	4	654.00
4384A29	1000	24 / 29	14 / 23	14 / 23	2	809.00
4384B29	1000	24 / 29	19 / 26	19 / 26	2	809.00
4384C29	1000	34 / 35	24 / 29	24 / 29	2	809.00
4384D29	1000	34 / 35	19 / 26	19 / 26	2	809.00
4384A30	2000	24 / 29	14 / 23	14 / 23	2	1468.00
4384B30	2000	24 / 29	19 / 26	19 / 26	2	1468.00
4384C30	2000	34 / 35	19 / 26	19 / 26	2	1468.00
4384D30	2000	34 / 35	24 / 29	24 / 29	2	1468.00
4384A31	3000	34 / 35	19 / 26	19 / 26	2	3657.00
4384B31	3000	34 / 35	24 / 29	24 / 29	2	3657.00
4384A33	5000	34 / 35	19 / 26	19 / 26	1	5165.00
4384B33	5000	34 / 35	24 / 29	24 / 29	1	5165.00
4384C33	5000	45 / 40	24 / 29	24 / 29	1	5165.00
4384A38	10000	34 / 35	19 / 26	19 / 26	1	9976.00
4384B38	10000	34 / 35	24 / 29	24 / 29	1	9976.00
4384C38	10000	45 / 40	24 / 29	24 / 29	1	9976.00
4384A40	20000	55 / 44	24 / 29	24 / 29	1	14961.00

4385-FLASKS

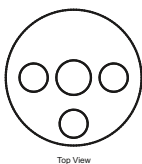
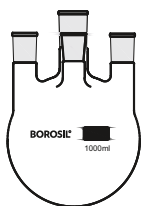
Round Bottom, Four Necks, Centre Neck and Three Angled Side Neck, with Interchangeable Joints

- Uniform wall thickness distribution and round-bottom shape make them ideal for heating
- The shape facilitates uniform heating
- Accessories, thermometer, column, dropping funnels, boiling capillaries, etc. can be fitted depending upon the application
- Generally used in distillation and extraction processes
- The centred neck is vertical. All the three side necks are inclined at an angle of 20° to the vertical neck
- The two side necks are 180° apart, and a third side neck is at 90° from the other two necks



Product Code	Capacity ml	Interchangeable Joint Size		Quantity Per Case	Price / Piece ₹
		Centre Neck	Side Neck		
4385A12	50	24 / 29	24 / 29	4	484.00
4385A16	100	24 / 29	14 / 23	4	556.00
4385B16	100	24 / 29	19 / 26	4	556.00
4385A21	250	24 / 29	14 / 23	4	670.00
4385B21	250	24 / 29	19 / 26	4	670.00
4385A24	500	24 / 29	14 / 23	4	958.00
4385B24	500	24 / 29	19 / 26	4	958.00
4385C24	500	24 / 29	24 / 29	4	958.00
4385D24	500	34 / 35	24 / 29	4	958.00
4385A29	1000	24 / 29	14 / 23	2	1185.00
4385B29	1000	24 / 29	19 / 26	2	1185.00
4385C29	1000	24 / 29	24 / 29	2	1185.00
4385D29	1000	34 / 35	24 / 29	2	1185.00
4385A30	2000	24 / 29	14 / 23	2	1972.00
4385B30	2000	24 / 29	19 / 26	2	1972.00
4385C30	2000	34 / 35	19 / 26	2	1972.00
4385D30	2000	34 / 35	24 / 29	2	1972.00
4385A31	3000	34 / 35	19 / 26	2	4589.00
4385B31	3000	34 / 35	24 / 29	2	4589.00
4385A33	5000	34 / 35	19 / 26	1	6298.00
4385B33	5000	34 / 35	24 / 29	1	6298.00
4385A38	10000	55 / 44	24 / 29	1	11268.00
4385B38	10000	34 / 35	24 / 29	1	11268.00
4385A40	20000	55 / 44	24 / 29	1	16521.00

Flasks

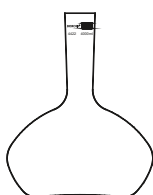


4386 - FLASKS, ROUND BOTTOM

Four Necks, Centre Neck and Three Parallel Side Neck, with Interchangeable Joints

- Uniform wall thickness distribution and the round-bottom shape make them ideal for heating
- The shape facilitates uniform heating
- Accessories, thermometer, column, dropping funnels, boiling capillaries, etc. can be fitted depending upon the application
- Generally used in distillation and extraction processes
- All the four necks are vertical. The two side necks are 180° apart
- The third neck is at 90° from the other two necks

Product Code	Capacity ml	Interchangeable Joint Size		Quantity Per Case	Price / Piece ₹
		Centre Neck	Side Neck		
4386A12	50	24 / 29	24 / 29	4	484.00
4386A16	100	24 / 29	14 / 23	4	556.00
4386B16	100	24 / 29	19 / 26	4	556.00
4386A21	250	24 / 29	14 / 23	4	670.00
4386B21	250	24 / 29	19 / 26	4	670.00
4386A24	500	24 / 29	14 / 23	4	958.00
4386B24	500	24 / 29	19 / 26	4	958.00
4386C24	500	24 / 29	24 / 29	4	958.00
4386D24	500	34 / 35	24 / 29	4	958.00
4386A29	1000	24 / 29	14 / 23	2	1185.00
4386B29	1000	24 / 29	19 / 26	2	1185.00
4386C29	1000	24 / 29	24 / 29	2	1185.00
4386D29	1000	34 / 35	24 / 29	2	1185.00
4386A30	2000	24 / 29	14 / 23	2	1972.00
4386B30	2000	24 / 29	19 / 26	2	1972.00
4386C30	2000	34 / 35	19 / 26	2	1972.00
4386D30	2000	34 / 35	24 / 29	2	1972.00
4386A31	3000	34 / 35	19 / 26	2	4589.00
4386B31	3000	34 / 35	24 / 29	2	4589.00
4386A33	5000	34 / 35	19 / 26	1	6298.00
4386B33	5000	34 / 35	24 / 29	1	6298.00
4386A38	10000	55 / 44	24 / 29	1	11268.00
4386B38	10000	34 / 35	24 / 29	1	11268.00
4386A40	20000	55 / 44	24 / 29	1	16521.00



4422 - FLASKS

Culture, Haffkine

- Complies with IS 7183
- The large, flat bottom surface ensures uniform culture growth
- Typically used for the preparation of culture in nutrient media

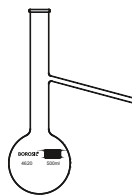
Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
4422031	3000*	245 x 280	2	2825.00
4422032	4000	246 x 310	2	3329.00

*3000 ml not covered in standards

4620 - FLASKS

Distilling, With Side Arm

- Complies with IS 2620
- Uniform wall thickness distribution makes these Flasks ideal for heating
- Suitable for distillation process



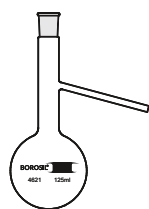
Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case	Price / Piece ₹
4620016	100	64 x 210	21	4	247.00
4620017	*125	70 x 215	21	4	257.00
4620021	250	85 x 230	25	4	428.00
4620024	500	105 x 250	28	4	469.00
4620029	1000	130 x 305	31	4	561.00

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



4621 - FLASKS

Distilling with I/C joint 19/26 as per ASTM D86



Product Code	Capacity ml	Approx O.D.xHeight mm	Approx Neck I. D.	Inter-changeable Joint	Quantity Per Case	Price / Piece ₹
4621017	125	70 x 218	19	19 / 26	20	433.00

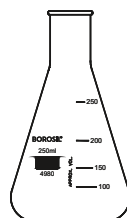


Flasks

4980 - FLASKS

Erlenmeyer, Conical, Narrow Mouth

- Complies with IS 1381(Part I), DIN / ISO 1773
- Uniform wall thickness distribution makes these Flasks ideal for heating
- The conical form makes them suitable for mixing liquids
- The easy-to-read scale and large labelling field facilitate easy marking
- Graduated from 25 ml to 5000 ml

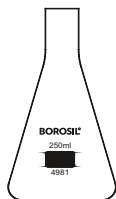


Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case	Price / Piece ₹
4980006	10*	37 x 60	15	30	83.00
4980009	25	42 x 75	22	40	88.00
4980012	50	51 x 90	22	100	88.00
4980016	100	64 x 105	22	100	89.00
4980017	125*	66 x 110	28	100	109.00
4980018	150*	72 x 124	28	100	109.00
4980021	250	85 x 145	34	40	135.00
4980024	500	105 x 180	34	40	192.00
4980029	1000	131 x 220	50	20	328.00
4980030	2000	166 x 280	52	20	572.00
4980031	3000	187 x 310	50	4	1544.00
4980033	5000	220 x 365	50	2	2538.00

25 ml to 5000 ml Graduated

*Not covered in standards





4981 - FLASKS

Erlenmeyer, Conical, Long Neck without Rim

- Uniform wall thickness distribution makes these Flasks ideal for heating
- Ideal for culture work
- Long neck designed for cotton plugs and metal caps
- The conical form makes them suitable for mixing liquids
- The easy-to-read scale and large labelling field facilitate easy marking

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	187.00

Suitable for culture work, designed for cotton plug or metal caps



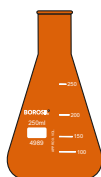
4982 - FLASKS

Conical, Without Rim

- Uniform wall thickness distribution makes these Flasks ideal for heating
- Ideal for culture work
- Designed without a rim for use in the shaker machine
- The conical form makes them suitable for mixing liquids
- The easy-to-read scale and large labelling field facilitate easy marking

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	420.00

Suitable for culture work, designed for use in shaker machine



4989 - FLASKS

Erlenmeyer, Graduated, Conical, Amber with Narrow Mouth

- Complies with IS 1381 (Part I), DIN / ISO 1773
- Uniform wall thickness distribution makes these Flasks ideal for heating
- The conical form makes them suitable for mixing liquids
- The easy-to-read scale and large labelling field facilitate easy marking
- Graduated from 25 ml to 5000 ml
- Coloured in Amber to protect light-sensitive material
- The Amber colour is applied only to the external surface to prevent contamination with the testing material

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	168.00
4989018	150*	72 x 124	28	10	200.00
4989021	250	85 x 145	34	10	236.00
4989024	500	104 x 180	34	10	394.00
4989029	1000	131 x 220	42	10	662.00

Similar in design to Cat. No. 4980

* Not covered in standards

5000 - FLASKS

Erlenmeyer, Conical, Narrow Mouth with interchangeable Joint

- Complies with IS 1381 (Part II), EN ISO 4797
- Uniform wall thickness distribution makes these Flasks ideal for heating
- The conical form makes them suitable for mixing of liquids
- The easy-to-read scale and large labelling field facilitate easy marking
- Equipped with interchangeable joints

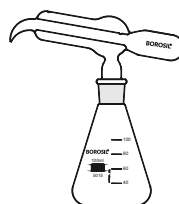


Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case	Price / Piece ₹
5000009	25	14 / 23	10	165.00
5000012	50	19 / 26	10	170.00
5000016	100	24 / 29	10	201.00
5000021	250	24 / 29	10	221.00
5000024	500	24 / 29	5	314.00

5015 - FLASKS

Tilt Measure

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



Product Code	Capacity ml	Flask Capacity ml	Quantity Per Case	Price / Piece ₹
5015005	5	100	5	767.00
5015006	10	250	5	798.00
5015008	20	250	10	896.00
5015009	25	250	10	958.00
5015012	50	250	10	1133.00

5019 - FLASKS

Erlenmeyer, Conical, Narrow Mouth with Interchangeable Stopper, Amber

- The conical form makes them suitable for mixing of liquids
- While heating stopper should be removed
- These Flasks can be closed with a glass stopper
- Coloured in Amber to protect light-sensitive material
- The Amber colour is applied only to the external surface to prevent contamination with the testing material



Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case	Price / Piece ₹
5019009	25	14 / 23	10	319.00
5019012	50	19 / 26	10	335.00
5019016	100	24 / 29	20	412.00
5019021	250	24 / 29	20	505.00
5019024	500	24 / 29	10	824.00



5020 - FLASKS

Erlenmeyer, Conical, Narrow Mouth with Interchangeable Stopper

- The conical form makes them suitable for mixing of liquid
- While heating stopper should be removed
- These Flasks can be closed with a glass stopper

Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case	Price / Piece ₹
5020009	25	14 / 23	10	201.00
5020012	50	19 / 26	10	237.00
5020016	100	24 / 29	20	263.00
5020021	250	24 / 29	20	304.00
5020024	500	24 / 29	10	433.00
5020029	1000	29 / 32	10	613.00
5020030	2000	29 / 32	10	865.00

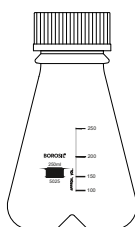
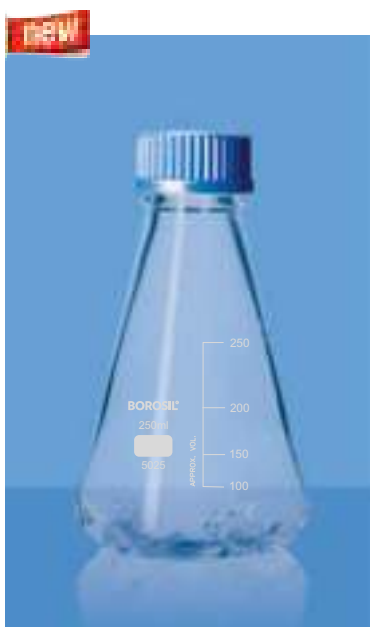


5021 - FLASKS

Conical with Screw Cap

- The conical form makes them suitable for mixing of liquids
- These Flasks can be closed with a screw cap
- The caps are made of PP

Product Code	Capacity ml	Neck Specification	Quantity Per Case	Price / Piece ₹
5021016	100	GL 25	20	252.00
5021018	150	GL 25	20	283.00
5021021	250	GL 45	20	335.00
5021024	500	GL 45	10	412.00
5021029	1000	GL 45	10	788.00
5021030	2000	GL 45	10	1128.00
5021033	5000	GL 45	2	5305.00



5025 - ERLENMEYER BAFFLED - GL 45

Erlenmeyer, Conical, Wide Mouth

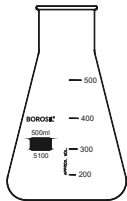
- The conical for makes them suitable for mixing of liquids
- These flasks can be closed with a screw cap
- These caps are made of PP

Product Code	Capacity ml	Neck Specification	Quantity Per Case	Price / Piece ₹
5025021	250	GL 45	10	1854.00
5025024	500	GL 45	10	2266.00
5025029	1000	GL 45	10	3193.00
5025030	2000	GL 45	10	3914.00

5100 - FLASKS

Erlenmeyer, Conical, Wide Mouth

- Complies with IS 1381
- Uniform wall thickness distribution makes these Flasks ideal for heating
- The conical form makes them suitable for mixing of liquids
- The easy-to-read scale and large labelling field facilitate easy marking
- Designed with a wide neck that makes cleaning and filling easier

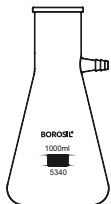


Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case	Price / Piece
5100016	100	70 x 110	34	20	105.00
5100021	250	85 x 142	50	30	147.00
5100024	500	105 x 175	50	20	226.00
5100029	1000	130 x 220	56	10	394.00

5340 - FLASKS

Filtering, Bolt Neck, with Tubulation

- These Flasks are blown in special moulds
- The shape is designed to impart maximum mechanical strength
- The neck finish is designed for strength and to ensure good stopper fit
- Ideal for use with Bucher Funnel Category No. 36060 and Gooch Crucible No. 32060 with Sintered Discs that have different porosities



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
5340012	50	52 x 86	30	213.00
5340016	100	70 x 105	20	317.00
5340021	250	85 x 155	10	463.00
5340024	500	105 x 188	20	562.00
5340029	1000	135 x 230	10	853.00
5340030	2000	165 x 270	5	1700.00
5340033	5000	240 x 450	2	6172.00
5340038	10000*	236 x 420	1	10743.00
5340040	20000*	285 x 535	1	17150.00

*These flasks are bottle shaped

5400-FLASKS

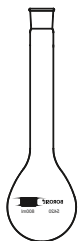
Iodine Determination, with Interchangeable Stopper

- These Flasks are made especially for the determination of Iodine value according to the methods of ASTM D-29
- Large labelling field for easy marking
- The handle of the stopper projects above the liquid seal, facilitating its removal



Product Code	Capacity ml	Interchangeable Joint Size	Quantity Per Case	Price / Piece ₹
5400016	100	24 / 29	10	221.00
5400021	250	24 / 29	10	278.00
5400024	500	24 / 29	10	340.00

Flasks



5420 - FLASKS

Kjeldahl, Round Bottom, Long Neck

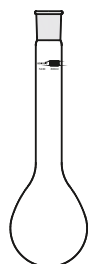
- These Flasks are specially designed for nitrogen/protein determination as per the Kjeldahl method
- Designed with a tooled neck for greater strength and a better stopper fit

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
5420006	10	30 x 180	10	103.00
5420010	30	40 x 180	10	121.00
5420016	100	61 x 210	10	200.00
5420022	300	80 x 298	10	320.00
5420024	500	100 x 325	10	620.00
5420028	800	113 x 375	10	756.00

5430 - FLASKS

Kjeldahl, Round Bottom, Interchangeable Joint

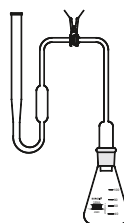
- These Flasks are specially designed for nitrogen/protein determination as per Kjeldahl method.
- Designed with a tooled neck for greater strength and better stopper fit
- The Flask with 500ml capacity is a part of Ammonia Distilling Apparatus Category No. 3340



Product Code	Capacity ml	Approx O.D. x Height mm	Interchangeable Joint Size	Quantity Per Case	Price / Piece ₹
5430024	500	100 x 320	24 / 29	10	767.00
5430028	800	113 x 375	24 / 29	10	845.00

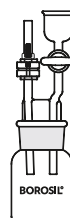
5200 - ARSENIC DETERMINATION APPARATUS AS PER USP

Product Code	Quantity Per Case	Price / Piece ₹
5200001	1	3158.00



5201 - ARSENIC DETERMINATION APPARATUS GUTZEIT

Product Code	Quantity Per Case	Price / Piece ₹
5201001	1	3158.00



5203 - ARSENIC DETERMINATION APPARATUS AS PER IP

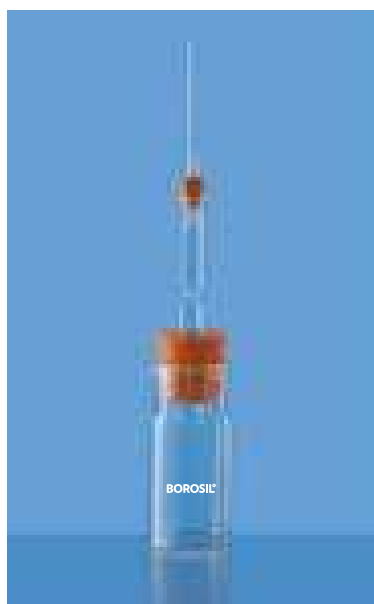
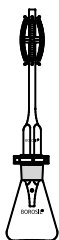
Product Code	Quantity Per Case	Price / Piece ₹
5203001	1	1932.00





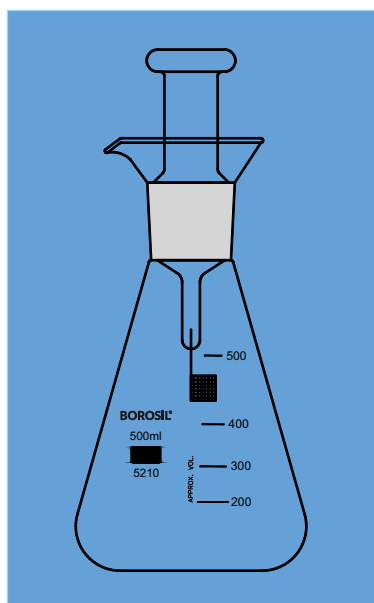
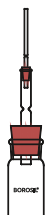
5202 - ARSENIC DETERMINATION APPARATUS AS PER BP

Product Code	Quantity Per Case	Price / Piece ₹
5202001	1	2313.00



5204 - ARSENIC DETERMINATION APPARATUS AS PER IS

Product Code	Quantity Per Case	Price / Piece ₹
5204001	1	2313.00



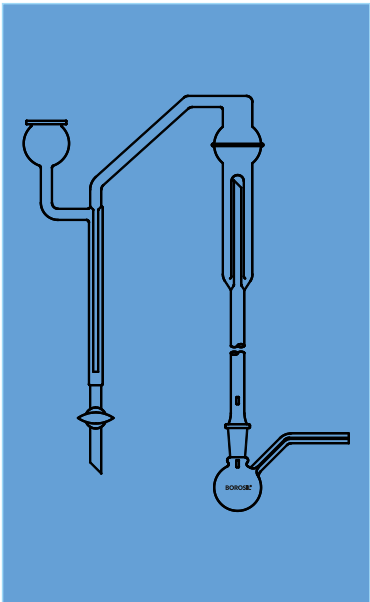
5210 - OXYGEN COMBUSTION FLASK AS PER USP

- Complies to ASTM E205 - 96
- Manufactured from 3.3 borosilicate, USP Type I glass
- Used for the determination of bromine, chlorine, iodine and sulphur

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
5210022	300	1	40779.00
5210024	500	1	44285.00

5211 - METHOXY DETERMINATION ASSEMBLY AS PER USP

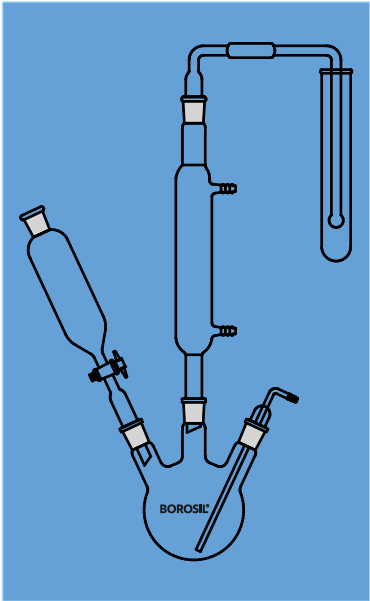
Product Code	Quantity Per Case	Price / Piece ₹
5211024	1	9845.00



Flasks

5212 - SULPHUR DI-OXIDE ASSEMBLY AS PER USP

Product Code	Quantity Per Case	Price / Piece ₹
5212024	1	12600.00



Filtration Assembly

- HPLC Mobile Phase Filtration
- Analysis of Particulate / bacterial contamination & general laboratory micro-filtration
- Units have G3 coarse porosit Frits & accomodate 47 mm filters / 25 mm filters
- All glass design ensures Chemical Compatibility with Most of the Organic Solvents.

Application :

- Used for Filtration of HPLC solvents and aqueous mobile phase solutions and buffers.

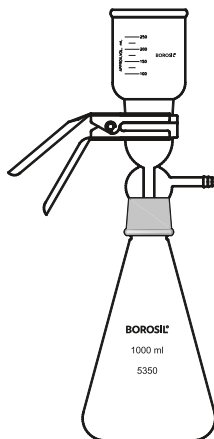
Specifications :

- 100% Borosilicate Glass with fritted glass filter base. Base design has integral vacuum connection located above filtrate drip to prevent contamination of vacuum line with droplets.
- Anodized Aluminum Spring clamp
- Filter Size : 47mm
- Effective Filtration Area : 9.6 cm²
- Funnel Capacity : 300 ml
- Flask Capacity : 500 ml / 1 Lit / 2 Ltr / 5 Ltr



5350 - ALL GLASS FILTER HOLDER - 47MM, Filtration Assembly

- Made of borosilicate glass with fritted glass filter base
- The base design has an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets
- Anodised aluminium spring clamp
- The filter size is 47 mm
- The effective filtration area is 9.6 cm²
- Used for filtration of HPLC solvents and aqueous mobile phase solutions and buffers
- The scaled funnels simplify dosing and analysis



Filtration
Assembly

Product Code	Capacity ml	Filtration Base Size mm	Quantity Per Case	HSN Code	Price / Piece ₹
5350024	500	47	1	70179090	13689.00
5350029	1000	47	1	70179090	14168.00
5350030	2000	47	1	70179090	18612.00

SPARES FOR 5350 - 47MM

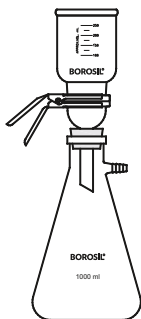
Product Code	Capacity ml	Description	HSN Code	Price / Piece ₹
5350124	500 ml	Flask For Filter Holder	70179090	2709.00
5350129	1000 ml	Flask For Filter Holder	70179090	3981.00
5350130	2000 ml	Flask For Filter Holder	70179090	8863.00
5350S01	300 ml	Funnel For Filter Holder	70179090	3610.00
5350S02	47 mm	Filter Support Base For Filter Holder	70179090	4620.00
5350S03	47 mm	Aluminium Clamp for Filter Holder	76169990	3090.00

5350 - ALL GLASS FILTRATION ASSEMBLY - 90MM

Product Code	Capacity ml	Filtration Base Size mm	Quantity Per Case	HSN Code	Price / Piece ₹
5350033	5000	90	1	70179090	97232.00

SPARES FOR 5350

Product Code	Capacity ml	Description	HSN Code	Price / Piece ₹
5350133	5000 ml	Flask For Filter Holder With B 55 Cone	70179090	33887.00
5350233	1000 ml	Funnel For Filter Holder Flask	70179090	14801.00
5350333	90 mm	Filter Support Base For Filter Holder	70179090	52731.00
5350433	90 mm	Aluminium Clamp for Filter Holder	76169990	8225.00



5360-ALL GLASS FILTER HOLDER

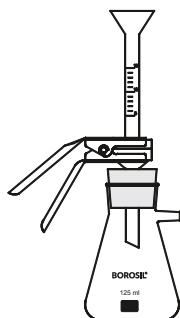
Silicon Stopper-47mm, Filtration Assembly

- Made of borosilicate glass with fritted glass filter base
- The base design has an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets
- The filtration base has a silicon stopper
- Anodised aluminium spring clamp
- The filter size is 47mm
- The effective filtration area is 9.6 cm²
- Facilitates analysis of particulate or biological contamination of vacuum filtering liquid
- The scaled funnels simplify dosing and analysis

Product Code	Capacity ml	Filtration Base Size mm	Quantity Per Case	HSN Code	Price / Piece ₹
5360029	1000	47	1	70179090	13318.00
5360030	2000	47	1	70179090	15280.00

SPARES FOR 5360

Product Code	Capacity ml	Description	HSN Code	Price / Piece ₹
5360129	1000 ml	Flask For Filter Holder	70179090	3873.00
5360130	2000 ml	Flask For Filter Holder	70179090	5413.00
5350S01	300 ml	Funnel For Filter Holder	70179090	3610.00
5360S02	47 mm	Filter Support Base For Filter Holder With Silicon	70179090	4723.00
5350S03	47 mm	Aluminium Clamp for Filter Holder	76169990	3090.00



5370 - ALL GLASS FILTRATION ASSEMBLY

Silicon Stopper - 25 mm

- Made of borosilicate glass with fritted glass filter base
- The base design has an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets
- The filtration base has a silicon stopper
- Anodised aluminium spring clamp
- The filter size is 25 mm
- The effective filtration area is 9.6 cm²
- Facilitates analysis of particulate or biological contamination of vacuum filtering liquid
- The scaled funnels simplify dosing and analysis

Product Code	Capacity ml	Filtration Base Size mm	Quantity Per Case	HSN Code	Price / Piece ₹
5370017	125	25	1	70179090	6741.00

SPARES FOR 5370

Product Code	Capacity ml	Description	HSN Code	Price / Piece ₹
5370S01	125 ml	Flask For Filter Holder	70179090	2709.00
5370S02	15 ml	Funnel For Filter Holder	70179090	1648.00
5370S03	25 mm	Filter Support Base For Filter Holder With Silicon stopper	70179090	3770.00
5370S04	25mm	Aluminium Clamp for Filter Holder	76169990	2070.00

BOROSIL®

Vacuum Pump - Oil Free

- BORO - 017 vacuum pump is a piston-powered, oil-free pump. With innovative electronic, mechanical technology and human design concept make, compact and light weight, clean and maintenance free, safe and comfortable.
- BORO - 017 vacuum pump are driven by Piston, without the need of lubricant, regular oil changes and maintenance; with no oil pollution
- BORO - 017 vacuum pump are equipped with filter cartridge in air inlet to filter particle and moisture to prolong the life of pump.
- BORO - 017 vacuum pump are equipped with vacuum regulator to adjust vacuum.
- Every motor of BORO - 017 vacuum pump has a built in thermal protection device to shut off the pump automatically when overheated and then resume working when the temperature cools down.



Application areas :

- Biology Laboratories
- Food Industry
- Liquid filtration
- Microbiological detection
- Suspended solids measurement
- Vacuum drying
- Vacuum extraction

Volumetric Flask

As the field of chemistry evolves with more research & educational institutions as well as industrial applications expanding day by day, the need for high quality glassware has been felt more than ever before. Be it the preparation of standard solutions or making the right volume with appropriate calibration, Volumetric Glassware offers the right mix of quality and efficiency for numerous objectives.

- Manufactured from 3.3 Low Expansion Borosilicate I. D. control tubing
- Individually calibrated with automatic calibration process
- Comes with highest quality standards according to EN ISO 1042 & ASTM (E 288)
- It also complies USP guide lines
- Strict quality control through all steps eliminate possible deviations from nominal volume
- Supplied with individual certificate which can be downloaded from our website also
- Volumetric Flasks are supplied with plastic or solid glass stopper



Volumetric Flasks is a laboratory glassware that is designed to hold a certain volume at a particular temperature and indicates the nominal volume, tolerance, precision class, relevant manufacturing standard etc. The Volumetric Flasks are manufactured in a range of sizes that is capable of containing 1 to 5,000 ml of liquid.

It is very important to understand that for analysis that demands high precision, the selection of instruments is very vital. And in cases where precision analysis is expected, only high accuracy instruments give the desired results. Most sophisticated automatic instruments can deliver high precision results, only if the volumetric ware used to prepare samples is accurate.

Borosil volumetric flasks are designed to give the best combination of thermal shock resistance, physical strength and resistance to chemical attack. They are made to withstand the demands of the modern laboratory and are particularly suitable for all glass apparatus assemblies.

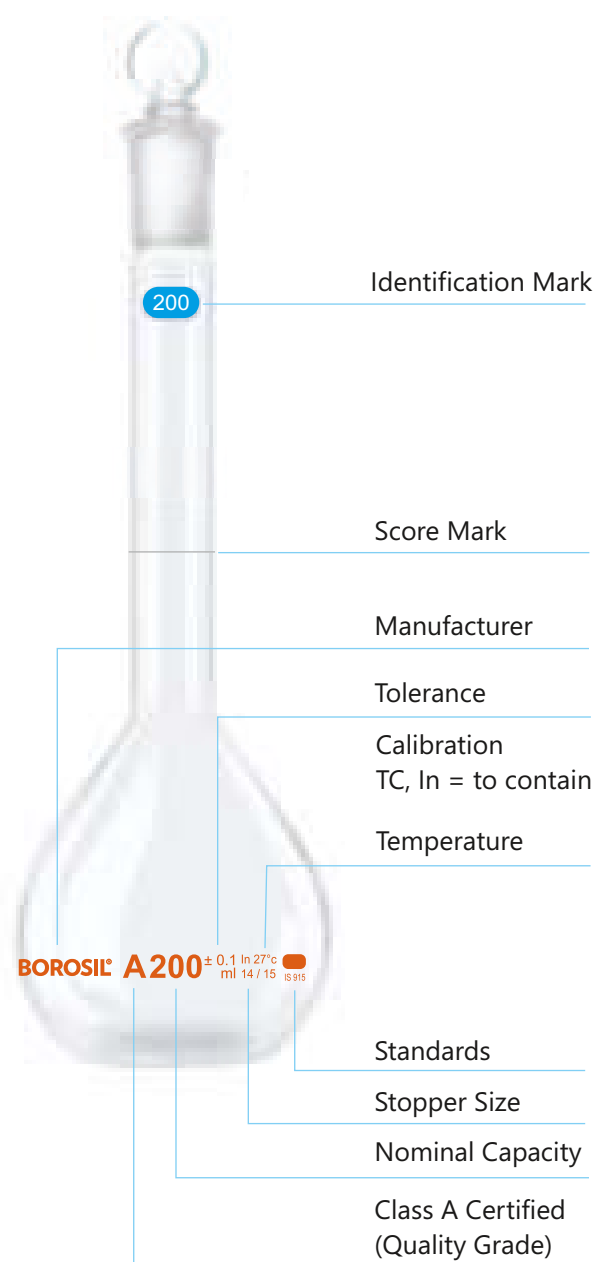
Calibration:

- Every Volumetric Flask is calibrated on fully automatic computer controlled calibration machine, eliminating the manual error in reading the meniscus, thereby giving more accurate volume
- Each Volumetric Flask is individually calibrated and is provided with unique Code No. and supplied with individual Certificate

Printing:

- All Volumetric Flasks are printed with permanent amber colour
- The amber Volumetric Flasks are printed with white ceramic enamel

At **Borosil** we understand that different needs require different solutions. Hence we offer our clients a wide range of flasks, designed to meet their individual requirements, while ensuring optimum



BOROSIL®

INTRODUCING

NEW

Easy to Scan

QR CODE on Graduated ware



Traceability

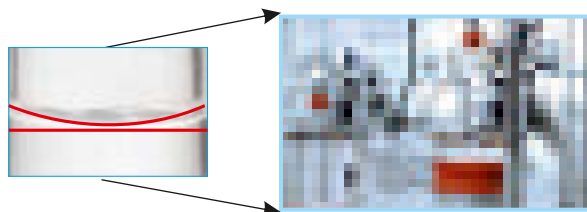
Easy to access data

These flasks available on request

Individually Calibrated Volumetric Flasks

with actual meniscus photograph

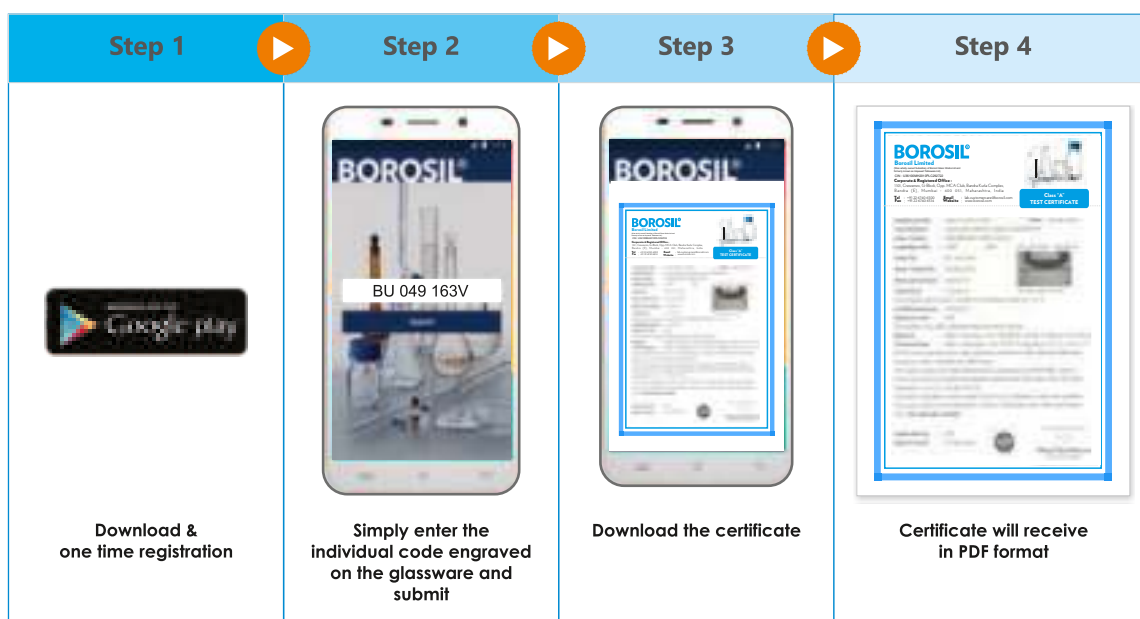
On line
Certificate
available on
our Website
www.borosil.com



State of the art calibration

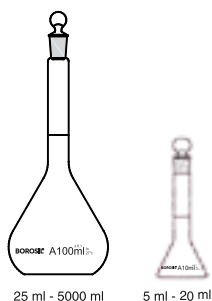
- Laser identification of meniscus
- Actual photo of individual meniscus captured on certificates (for 5ml to 100 ml)

Now ACCESS your
BOROSIL glassware certification
from anywhere, anytime.....



Download the **BOROSIL®** app





5640 - VOLUMETRIC FLASKS

Volumetric Flask with Interchangeable Solid Glass Stopper, Accuracy as per Class A, with Certificate

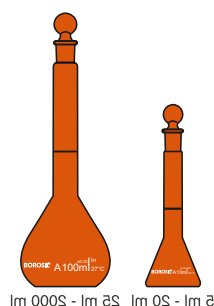
- Complies with EN ISO 1042
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Manufactured from 3.3 borosilicate, USP Type I glass
- Amber enamel inscriptions

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5640001	1	0.025	7 / 16	5	894.00
5640002	2	0.025	7 / 16	5	894.00
5640005	5	0.025	10 / 19 *	5	806.00
5640006	10	0.025	10 / 19 *	5	697.00
5640008	20	0.04	10 / 19	5	697.00
5640009	25	0.04	10 / 19	5	645.00
5640012	50	0.06	12 / 21	10	614.00
5640016	100	0.10	14 / 23	10	598.00
5640020	200	0.15	14 / 23	10	842.00
5640021	250	0.15	14 / 23	10	848.00
5640024	500	0.25	19 / 26	10	1108.00
5640029	1000	0.40	24 / 29	10	1617.00
5640030	2000	0.60	29 / 32	2	2626.00
5640033	5000	1.20	34 / 35	1	12912.00

- 1 ml to 20 ml supplied with trapezoidal shape for better stability

- **Certified and Calibrated at 27°C**

- • Stopper size as per Borosil Design



5648 - VOLUMETRIC FLASKS, AMBER

Volumetric Flasks with Interchangeable Solid Glass Stopper Accuracy as per Class A , **Amber**, with Certificate

- Complies with EN ISO 1042
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Manufactured from 3.3 borosilicate USP Type I glass with an amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5648005	5	0.025	10 / 19*	5	962.00
5648006	10	0.025	10 / 19*	5	837.00
5648008	20	0.04	10 / 19	5	837.00
5648009	25	0.04	10 / 19	5	775.00
5648012	50	0.06	12 / 21	10	733.00
5648016	100	0.10	14 / 23	10	723.00
5648020	200	0.15	14 / 23	10	1009.00
5648021	250	0.15	14 / 23	10	988.00
5648024	500	0.25	19 / 26	10	1326.00
5648029	1000	0.40	24 / 29	10	1934.00
5648030	2000	0.60	29 / 32	2	3146.00

- 5 ml to 20 ml supplied with trapezoidal shape for better stability

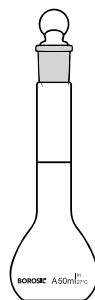
- **Certified and Calibrated at 27°C**

- * Stopper size as per Borosil Design

5643 - WIDE MOUTH VOLUMETRIC FLASK

Wide Mouth Volumetric Flasks with Interchangeable Solid Glass Stopper Class A, with Certificate

- Complies with EN ISO 1042
- Manufactured from 3.3 borosilicate, USP Type I glass
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Specially designed wide mouth for testing bigger dia. Tablet without making it in powder form



Calibrated at
27°C



Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5643005	5	0.04	12 / 21 [#]	5	801.00
5643006	10	0.04	12 / 21 [#]	5	702.00
5643008	20	0.06	12 / 21	5	707.00
5643009	25*	0.06	14 / 23	5	764.00
5643A09	25	0.06	12 / 21	5	759.00
5643012	50	0.10	14 / 23	10	738.00
5643016	100*	0.10	19 / 26	10	780.00
5643020	200*	0.15	19 / 26	10	1019.00
5643021	250*	0.15	19 / 26	10	1087.00
5643029	1000	0.60	29 / 32	10	1680.00

- * Not covered in the standards

- 5 ml to 20 ml supplied with trapezoidal shape for better stability

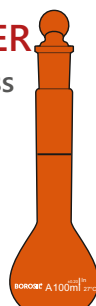
- **Certified and Calibrated at 27°C**

- [#] 5ml & 10 ml stopper size not as per standards and kept wide mouth for convenient pipetting

5653 - WIDE MOUTH, VOLUMETRIC FLASKS, AMBER

Wide Mouth Volumetric Flasks with Interchangeable Solid Glass Stopper, Class A, **Amber** with Certificate

- Complies with EN ISO 1042
- Manufactured from 3.3 borosilicate USP Type I glass with an amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Specially designed wide mouth for testing bigger dia. Tablet without making it in powder form



Calibrated at
27°C



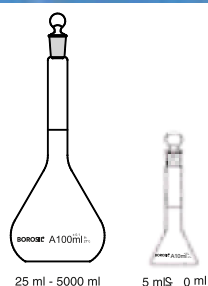
Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5653005	5	0.04	12 / 21 [#]	5	946.00
5653006	10	0.04	12 / 21 [#]	5	827.00
5653008	20	0.06	12 / 21	5	842.00
5653009	25*	0.06	14 / 23	5	920.00
5653A09	25	0.06	12 / 21	5	920.00
5653012	50	0.10	14 / 23	10	870.00
5653016	100*	0.10	19 / 26	10	957.00
5653020	200*	0.15	19 / 26	10	1222.00
5653021	250*	0.15	19 / 26	10	1856.00
5653029	1000	0.60	29 / 32	10	1992.00

- * Not covered in the standards

- 5 ml to 20 ml supplied with trapezoidal shape for better stability

- **Certified and Calibrated at 27°C**

- [#] 5 ml & 10 ml stopper size not as per standard and kept wide mouth for convenient pipetting.



5645 - VOLUMETRIC FLASKS, USP

Volumetric Flasks with Interchangeable Solid Glass Stopper Accuracy as per Class A, USP (US Pharmacopoeia), with Certificate

- Manufactured from 3.3 borosilicate, USP Type I glass
- Calibrated as per USP tolerance
- Amber enamel inscriptions
- Dimensions as per ISO / DIN standards
- Tolerance complies to ASTM E 288 standards
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5645005	5	0.02	10 / 19 [#]	5	900.00
5645006	10	0.02	10 / 19 [#]	5	785.00
5645008	20*	0.03	10 / 19	5	790.00
5645009	25	0.03	10 / 19	5	723.00
5645012	50	0.05	10 / 19	10	692.00
5645016	100	0.08	14 / 23	10	676.00
5645020	200	0.10	14 / 23	10	946.00
5645021	250	0.12	14 / 23	10	952.00
5645024	500	0.20	19 / 26	10	1248.00
5645029	1000	0.30	19 / 26	10	1815.00
5645030	2000	0.50	24 / 29	2	2954.00

- 5 ml to 20 ml supplied with trapezoidal shape for better stability

- * Not covered in the standards

- **Certified and Calibrated at 20°C**

- [#] 5ml & 10 ml stopper size not as per standards and kept wide mouth for convenient pipetting



5645D - VOLUMETRIC FLASKS, ASTM

Volumetric Flasks with Interchangeable Solid Glass Stopper Accuracy as per Class A, USP (US Pharmacopoeia), with Certificate

- Manufactured from 3.3 borosilicate, USP Type I glass
- Complies with ASTM E 288 standards
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards

Product Code	Capacity ml	Tolerance \pm ml	Stopper Number	Quantity Per Case	Price / Piece ₹
5645D05D	5	0.02	9	5	900.00
5645D06D	10	0.02	9	5	785.00
5645D08D	20*	0.03	9	5	790.00
5645D09D	25	0.03	9	5	723.00
5645D12D	50	0.05	9	10	692.00
5645D16D	100	0.08	13	10	676.00
5645D20D	200	0.10	16	10	946.00
5645D21D	250	0.12	16	10	952.00
5645D24D	500	0.20	19	10	1248.00
5645D29D	1000	0.30	22	10	1815.00
5645D30D	2000	0.50	27	2	2954.00

- 5 ml to 20 ml supplied with trapezoidal shape for better stability

- * Not covered in the standards

- **Certified and Calibrated at 20°C**

- For stopper dimensions refer page no. 132

5655 - VOLUMETRIC FLASKS, USP, AMBER

Volumetric Flasks with Interchangeable Solid Glass Stopper Accuracy as per Class A, USP (US Pharmacopoeia), **Amber** With Certificate

- Manufactured from 3.3 borosilicate USP Type I glass with an amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Calibrated as per USP tolerance
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Dimensions as per ISO / DIN standards
- Tolerance complies to ASTM E288 standards

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5655005	5	0.02	10 / 19*	5	1076.00
5655006	10	0.02	10 / 19*	5	946.00
5655008	20*	0.03	10 / 19	5	946.00
5655009	25	0.03	10 / 19	5	868.00
5655012	50	0.05	12 / 21	10	837.00
5655016	100	0.08	14 / 23	10	816.00
5655020	200	0.10	14 / 23	10	1149.00
5655021	250	0.12	14 / 23	10	1154.00
5655024	500	0.20	19 / 26	10	1524.00
5655029	1000	0.30	24 / 29	10	2220.00
5655030	2000	0.50	29 / 32	2	3583.00

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



5655D - VOLUMETRIC FLASKS, ASTM , AMBER

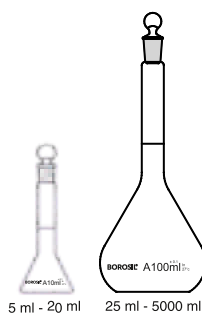
Volumetric Flasks with Interchangeable Solid Glass Stopper Accuracy as per Class A, USP (US Pharmacopoeia), **Amber** With Certificate

- Manufactured from 3.3 borosilicate USP Type I glass with an amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Complies with ASTM E 288 standards
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards

Product Code	Capacity ml	Tolerance \pm ml	Stopper Number	Quantity Per Case	Price / Piece ₹
5655D05D	5	0.02	9	5	1076.00
5655D06D	10	0.02	9	5	946.00
5655D08D	20*	0.03	9	5	946.00
5655D09D	25	0.03	9	5	868.00
5655D12D	50	0.05	9	10	837.00
5655D16D	100	0.08	13	10	816.00
5655D20D	200	0.10	16	10	1149.00
5655D21D	250	0.12	16	10	1154.00
5655D24D	500	0.20	19	10	1524.00
5655D29D	1000	0.30	22	10	2220.00
5655D30D	2000	0.50	27	2	3583.00

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- **Certified and Calibrated at 20°C**
- * Not covered in standards
- For stopper dimensions refer page no. 132





5647- WIDE MOUTH VOLUMETRIC FLASKS, USP

Wide Mouth Volumetric Flasks with Interchangeable Solid Glass Stopper, Accuracy As Class A, USP (US Pharmacopoeia) with Certificate

- Calibrated as per USP tolerance
- Manufactured from 3.3 borosilicate USP Type I glass
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Specially designed wide mouth for testing bigger dia. Tablet without making it in powder form

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5647005	5	0.08	14 / 23	5	858.00
5647006	10	0.08	14 / 23	5	744.00
5647008	20*	0.08	14 / 23	5	764.00
5647009	25	0.08	14 / 23	5	822.00
5647012	50	0.08	14 / 23	10	801.00
5647016	100	0.10	19 / 26	10	842.00
5647020	200	0.20	19 / 26	10	993.00
5647021	250	0.20	19 / 26	10	1066.00

- * Not covered in the standards
- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- **Certified and Calibrated at 20°C**

5647D - WIDE MOUTH VOLUMETRIC FLASKS, ASTM

Wide Mouth Volumetric Flasks with Interchangeable Solid Glass Stopper, Accuracy As Class A, USP (US Pharmacopoeia) with Certificate

- Complies with ASTM E 288 standards
- Manufactured from 3.3 borosilicate USP Type I glass
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Specially designed wide mouth for testing bigger dia. Tablet without making it in powder form

Product Code	Capacity ml	Tolerance \pm ml	Stopper Number	Quantity Per Case	Price / Piece ₹
5647D05D	5	0.08	13	5	858.00
5647D06D	10	0.08	13	5	744.00
5647D08D	20*	0.08	13	5	764.00
5647D09D	25	0.08	13	5	822.00
5647D12D	50	0.08	13	10	801.00
5647D16D	100	0.10	16	10	842.00
5647D20D	200	0.20	19	10	993.00
5647D21D	250	0.20	19	10	1066.00

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards
- **Certified and Calibrated at 20°C**
- For stopper dimensions refer page no. 132

5657- WIDE MOUTH VOLUMETRIC FLASKS, USP, AMBER

Wide Mouth Volumetric Flasks with Interchangeable Solid Glass Stopper, Accuracy As Class A, USP **Amber** with Certificate

- Calibrated as per USP tolerance
- Manufactured from 3.3 borosilicate USP Type I glass
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Specially designed wide mouth for testing bigger dia. Tablet without making it in powder form

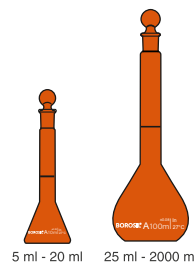
Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5647005	5	0.08	14 / 23	5	1051.00
5647006	10	0.08	14 / 23	5	900.00
5647008	20*	0.08	14 / 23	5	900.00
5647009	25	0.08	14 / 23	5	983.00
5647012	50	0.08	14 / 23	10	962.00
5647016	100	0.10	19 / 26	10	1014.00
5647020	200	0.20	19 / 26	10	1196.00
5647021	250	0.20	19 / 26	10	1295.00

- * Not covered in the standards

- 5 ml to 20 ml supplied with trapezoidal shape for better stability

- **Certified and Calibrated at 20°C**

Calibrated at
20°C



5657D - WIDE MOUTH VOLUMETRIC FLASKS, ASTM, AMBER

Wide Mouth Volumetric Flasks with Interchangeable Solid Glass Stopper, Accuracy As Class A, USP (US Pharmacopoeia) **Amber** with Certificate

- Complies with ASTM E 288 standards
- Manufactured from 3.3 borosilicate USP Type I glass
- Each flask marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Specially designed wide mouth for testing bigger dia. Tablet without making it in powder form

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5657D05D	5	0.08	13	5	1011.00
5657D06D	10	0.08	13	5	865.00
5657D08D	20*	0.08	13	5	865.00
5657D09D	25	0.08	13	5	945.00
5657D12D	50	0.08	13	10	925.00
5657D16D	100	0.10	16	10	975.00
5657D20D	200	0.20	19	10	1150.00
5657D21D	250	0.20	19	10	1245.00

- * Not covered in the standards

- 5 ml to 20 ml supplied with trapezoidal shape for better stability

- **Certified and Calibrated at 20°C**

- For stopper dimensions refer page no. 132

Calibrated at
20°C





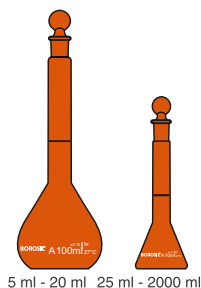
5641 - VOLUMETRIC FLASKS

Volumetric Flasks With Interchangeable Solid Glass Stopper Accuracy as per Class B

- Complies with EN ISO 1042
- Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance
- Amber enamel inscriptions

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5641001	1	0.05	7 / 16	10	278.00
5641002	2	0.05	7 / 16	10	278.00
5641005	5	0.05	10 / 19*	10	247.00
5641006	10	0.05	10 / 19*	10	237.00
5641008	20	0.08	10 / 19	10	237.00
5641009	25	0.08	10 / 19	10	232.00
5641012	50	0.12	12 / 21	10	252.00
5641016	100	0.20	14 / 23	10	283.00
5641020	200	0.30	14 / 23	10	330.00
5641021	250	0.30	14 / 23	10	340.00
5641024	500	0.50	19 / 26	10	470.00
5641029	1000	0.80	24 / 29	10	721.00
5641030	2000	1.20	29 / 32	2	1606.00
5641033	5000	2.40	34 / 35	1	5762.00

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



5649 - VOLUMETRIC FLASKS, **AMBER**

Volumetric Flasks with Interchangeable Glass Stopper, Accuracy as per Class B, **Amber**

- Complies with EN ISO 1042
- Manufactured from 3.3 borosilicate USP Type I glass with an amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Quantity Per Case	Price / Piece ₹
5649005	5	0.05	10 / 19	10	383.00
5649006	10	0.05	10 / 19	10	362.00
5649008	20	0.08	10 / 19	10	366.00
5649009	25	0.08	10 / 19	10	363.00
5649012	50	0.12	12 / 21	10	385.00
5649016	100	0.20	14 / 23	10	407.00
5649020	200	0.30	14 / 23	10	468.00
5649021	250	0.30	14 / 23	10	479.00
5649024	500	0.50	19 / 26	10	719.00
5649029	1000	0.80	24 / 29	10	1182.00
5649030	2000	1.20	29 / 32	2	2345.00

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

2020 - VOLUMETRIC FLASKS, NABL

Volumetric flasks With Interchangeable Solid Glass Stopper, Accuracy as per Class A, with Certificate

- Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance



Calibrated at
27°C

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Stopper Size	Quantity Per Case	Price / Piece ₹
2020001	1	0.025	10 / 15	7 / 16	1	1867.00
2020002	2	0.025	10 / 15	7 / 16	1	1867.00
2020005	5	0.025	10 / 15	10 / 19 *	1	1664.00
2020006	10	0.025	10 / 15	10 / 19 *	1	1440.00
2020008	20	0.04	10 / 15	10 / 19	1	1440.00
2020009	25	0.04	10 / 15	10 / 19	1	1342.00
2020012	50	0.06	10 / 15	12 / 21	1	1342.00
2020016	100	0.10	14 / 15	14 / 23	1	1321.00
2020020	200	0.15	14 / 15	14 / 23	1	1758.00
2020021	250	0.15	14 / 15	14 / 23	1	1778.00
2020024	500	0.25	19 / 20	19 / 26	1	2371.00
2020029	1000	0.40	19 / 20	24 / 29	1	3406.00
2020030	2000	0.60	24 / 25	29 / 32	1	5517.00

- 1 ml to 20 ml supplied with trapezoidal shape for better stability

- Certified and Calibrated at 27°C

- • Not covered in standard

- Volumetric flasks with old stopper sizes - Available till stocks last

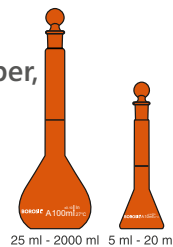
- Stopper size as per Borosil Design



2021 - VOLUMETRIC FLASKS, NABL, AMBER

Volumetric Flasks With Interchangeable Solid Glass Stopper, Accuracy as per Class A, Amber with Certificate

- Manufactured from 3.3 borosilicate, USP Type I glass with an amber coating on exterior surfaces to facilitate use with light sensitive solutions



Calibrated at
27°C

Product Code	Capacity ml	Tolerance \pm ml	Stopper Size	Stopper Size	Quantity Per Case	Price / Piece ₹
2021005	5	0.025	10 / 15	10 / 19*	1	1804.00
2021006	10	0.025	10 / 15	10 / 19*	1	1576.00
2021008	20	0.04	10 / 15	10 / 19*	1	1576.00
2021009	25	0.04	10 / 15	10 / 19	1	1425.00
2021012	50	0.06	10 / 15	12 / 21	1	1399.00
2021016	100	0.10	14 / 15	14 / 23	1	1446.00
2021020	200	0.15	14 / 15	14 / 23	1	1888.00
2021021	250	0.15	14 / 15	14 / 23	1	1914.00
2021024	500	0.25	19 / 20	19 / 26	1	2621.00
2021029	1000	0.40	19 / 20	24 / 29	1	3864.00
2021030	2000	0.60	24 / 25	29 / 32	1	6074.00

- 5 ml 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





8100 - STOPPERS, GLASS, PLAIN

Interchangeable Ground Joint, Solid, Penny Head

Product Code	Stopper Number	Interchangeable Joint Size	Quantity per Case	Price / Piece ₹
ISO / DIN Standard (Long Neck)				
8100A10		10 / 19	20	82.00
8100A12		12 / 21	20	88.00
8100A14		14 / 23	20	88.00
8100A19		19 / 26	20	103.00
8100A24		24 / 29	20	191.00
8100A29		29 / 32	20	232.00
8100A34		34 / 35	20	247.00
ASTM Standard (Short Neck)				
8110008	8	8.25 / 10	20	82.00
8110009	9	9.4 / 14	20	88.00
8110013	13	13.4 / 14	20	103.00
8110016	16	16.5 / 15	20	191.00
8110019	19	19.7 / 17	20	232.00
8110022	22	22.05 / 20.5	20	247.00
8110027	27	27.15 / 21.5	20	247.00
IS Standard as per Old design (Till the stocks last)				
8100010		10 / 15	20	82.00
8100014		14 / 15	20	88.00
8100019		19 / 20	20	103.00
8100024		24 / 25	20	191.00



8400 - STOPPERS, GLASS, **AMBER**

Interchangeable Ground Joint, Solid, Penny Head, **Amber**

Product Code	Stopper Number	Interchangeable Joint Size	Quantity per Case	Price / Piece ₹
ISO / DIN Standard				
8400A10		10 / 19	20	103.00
84100A12		12 / 21	20	129.00
8400A14		14 / 23	20	129.00
8400A19		19 / 26	20	144.00
8400A24		24 / 29	20	227.00
8400A29		29 / 32	20	268.00
8400A34		34 / 35	20	288.00
ASTM Standard (Short Neck)				
8410008	8	8.25 / 10	20	103.00
8410009	9	9.4 / 14	20	103.00
8410013	13	13.4 / 14	20	129.00
8410016	16	16.5 / 15	20	129.00
8410019	19	19.7 / 17	20	144.00
8410022	22	22.05 / 20.5	20	227.00
8410027	27	27.15 / 21.5	20	268.00
IS Standard as per Old design (Till the stocks last)				
8400010		10 / 15	20	103.00
8400014		14 / 15	20	129.00
8400019		19 / 20	20	144.00
8400024		24 / 25	20	227.00

5650 - VOLUMETRIC FLASKS

Volumetric Flasks Sugar Estimation, without Stopper

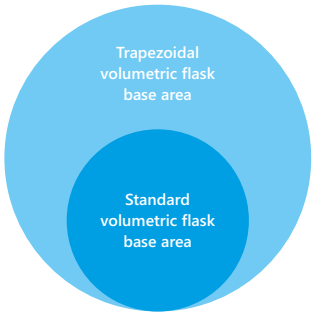
- Complies with BS 675
- A two mark flask designed for the analysis of sugar solutions. The two graduation marks provide a dilution of 1 in 10



Product Code	Capacity ml	Tolerance \pm ml	Quantity Per Case	Price / Piece ₹
5650016	100 / 110	0.15	20	368.00



Trapezoidal Volumetric Flask



Volumetric flasks with small capacities can be topple down more easily due to their higher centre of gravity.

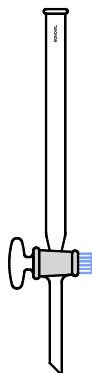
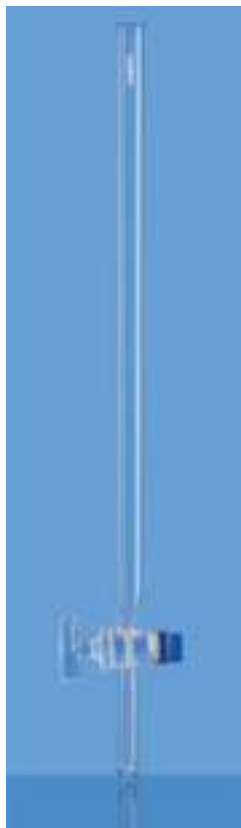
Trapezoidal volumetric flasks have much larger base area which ensures higher stability. It has atleast twice base area compare to standard volumetric flask of the same capacity.



Volumetric Flasks

Chromatography Columns

Column chromatography in chemistry is a method used to purify individual chemical compounds from mixtures of compounds. It is often used for preparative applications on scales from micrograms up to kilograms. The main advantage of column chromatography is the relatively low cost and disposability of the stationary phase used in the process. The latter prevents cross-contamination and stationary phase degradation due to recycling.



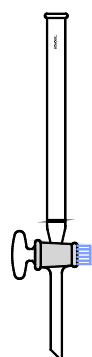
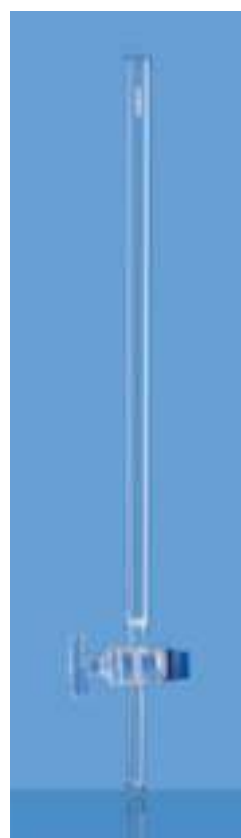
6100 - COLUMNS

Chromatography, Plain With Glass Stopcock

- Designed with straight bore stopcock that increases the life as compared to PTFE key stopcocks
- The glass stopcock enhances control and facilitates smoother action
- Generally used for purification of individual compounds from mixtures of compounds

Product Code	Approx Effective Length mm	Bore mm	Quantity Per Case	Price / Piece ₹
6100060	200	10	5	366.00
6100061	300	10	5	397.00
6100062	300	18	5	443.00
6100063	450	30	5	556.00
6100064	500	10	5	427.00
6100065	500	18	5	448.00
6100066	600	30	5	731.00
6100067	600	40	5	958.00
6100068	1000	40	4	1957.00

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



6101 - COLUMNS

Chromatography, Plain With Sintered Disc And Glass Stopcock

- Designed with straight bore stopcock that increases the life as compared to PTFE key stopcocks
- The glass stopcock enhances control and facilitates smoother action.
- Columns are added with a Sintered Disc for good results.
- Generally used for purification of individual compounds from mixtures of compounds
- Columns are added with a sintered disk (Grade I) for good result

Product Code	Approx Effective Length mm	Bore mm	Quantity Per Case	Price / Piece ₹
6101060	200	10	5	618.00
6101061	300	10	5	639.00
6101062	300	18	5	739.00
6101063	450	30	5	979.00
6101064	500	10	5	731.00
6101065	500	18	5	855.00
6101066	600	30	5	1015.00
6101067	600	45	5	1679.00
6101068	1000	45	4	2281.00

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

Funnels

Funnels may be used for separating solids from liquids, liquids from liquids and occasionally, for pouring something into a container.

BOROSIL® brand Funnels are available in a comprehensive range for a variety of such applications. Sintered Glass Funnels are also available.

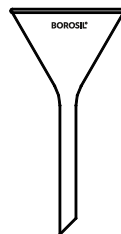
Separating Funnels come in globe, pear and cylindrical shapes with ground glass stopcocks and interchangeable stoppers. These Funnels are made of specially moulded blanks. Stopcock bores, body openings and stems are carefully aligned to facilitate the smooth and even flow of liquid with fast cut-off.



6140 - FUNNELS

Plain, 60° Angle, Short Stem

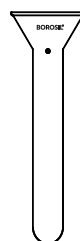
- Complies with IS 1591, DIN / ISO 4798
- Made 3.3 borosilicate glass, USP Type I
- Designed with a 60° bowl angle to ensure precise fitting of the filter paper
- High thermal shock resistance and chemical resistance
- Generally used for filtering and decanting liquids of varied densities



Product Code	Diameter mm	Stem		Quantity Per Case	Price / Piece ₹
		OD	Length		
6140057	25	6	25	30	83.00
6140058	35	6	35	30	109.00
6140065	50	8	50	20	120.00
6140069	65	8	65	20	135.00
6140071	75	8	75	20	135.00
6140077	100	10	100	40	182.00

6150 - TUBES FUNNEL TEST TUBES

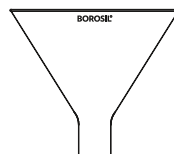
- Specially Designed for Soil testing laboratory



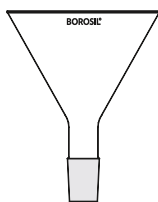
Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
6150007	15	10	160.00
6150010	30	10	201.00

6220 - FUNNELS, POWDER

- Ideal for transferring powders
- Designed with a short wide stem to facilitate smooth flow
- Made of chemically resistant 3.3 borosilicate glass



Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
6220080	125	30	380.00
6220081	150	20	406.00
6220087	200	4	1092.00
6220089	250	4	1576.00

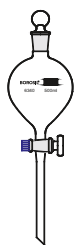


6230 - FUNNELS

Powder, Stem, with Cone

- Ideal for transferring powders
- Designed with a short wide stem to facilitate smooth flow
- Made of chemically resistant 3.3 borosilicate glass
- Supplied with ground glass cone for easy fitting on flask
- Joint size 24 / 29 for all capacities

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
6230080	125	20	574.00
6230081	150	20	660.00
6230087	200	4	1264.00
6230089	250	4	1820.00



6340-FUNNELS

Separating, Globe Shape, with Stopcock and Inter- changeable Stopper

- Made from 3.3 borosilicate glass, USP Type I
- Equipped with a standard ground glass stopcock
- Globe shape, with a stem
- Generally used in the separation phase

Product Code	Capacity ml	Stopper Size	Quantity Per Case	Price / Piece ₹
6340017	125	19 / 26	10	1097.00
6340021	250	24 / 29	10	1200.00
6340024	500	24 / 29	10	1509.00
6340029	1000	29 / 32	5	1906.00
6340030	2000	29 / 32	10	3219.00
6340033	5000	34 / 35	1	7308.00



6400-FUNNELS

Separating, Pear Shape, with glass Stopcock and interchangeable Stopper

- Complies with IS 1575, DIN / ISO 4800
- Made 3.3 borosilicate glass, USP Type I
- Equipped with a standard glass stopcock
- Pear shape, with a stem
- Generally used in the separation phase

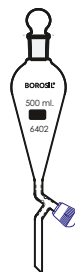
Product Code	Capacity ml	Stopper Size	Quantity Per Case	Price / Piece ₹
6400013	60*	14 / 23	10	931.00
6400017	125*	19 / 26	10	1014.00
6400021	250	24 / 29	10	1123.00
6400024	500	24 / 29	10	1482.00
6400029	1000	29 / 32	10	1934.00
6400030	2000	29 / 32	10	3520.00

* Not covered in standards.

6402-FUNNELS

Separating, Pear Shape, Fitted with Boroflo Stopcock with PTFE Key and Interchangeable Stopper

- Complies with IS 1575, DIN / ISO 4800
- Made 3.3 borosilicate glass, USP Type I
- Equipped with a Boroflo stopcock with PTFE key
- Pear shape, with a stem
- Generally used in the separation phase



Product Code	Capacity ml	Stopper Size	Quantity Per Case	Price / Piece ₹
6402013	60*	14 / 23	10	832.00
6402017	125*	19 / 26	10	946.00
6402021	250	24 / 29	10	1050.00
6402024	500	24 / 29	10	1414.00
6402029	1000	29 / 32	10	1768.00
6402030	2000	29 / 32	10	3110.00

* Not covered in standards.

6403-FUNNELS

Separating, Pear Shape, with PTFE Key Stopcock, Interchangeable Stopper

- Complies with IS 1575, DIN / ISO 4800
- Made of 3.3 borosilicate glass
- USP Type I glass
- Equipped with a PTFE key stopcock
- Pear shape, with a stem
- Generally used in the separation phase



Product Code	Capacity ml	Stopper Size	Quantity Per Case	Price / Piece ₹
6403017	125*	19 / 26	10	1180.00
6403021	250	24 / 29	10	1290.00
6403024	500	24 / 29	10	1674.00
6403029	1000	29 / 32	10	1997.00
6403030	2000	29 / 32	10	3723.00

* Not covered in standards.

6405 - FUNNEL

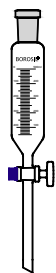
Pressure Equilising Cylindrical, with PTFE Stopcock

- Made 3.3 borosilicate glass, USP Type I
- Equipped with totally grease free and self lubricating PTFE stopcock
- Supplied with polypropylene stopper



Product Code	Capacity ml	Socket	Cone	Quantity Per Case	Price / Piece ₹
6405012	50	19 / 26	19 / 26	5	1129.00
6405016	100	19 / 26	19 / 26	5	1349.00
6405021	250	24 / 29	24 / 29	5	1549.00
6405024	500	24 / 29	24 / 29	5	2399.00

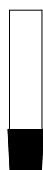




6408 - DROPPING FUNNEL WITH GLASS STOPCOCK

- Complies with IS 1575, DIN / ISO 4800

Product Code	Capacity ml	Neck Joint	Quantity Per Case	Price / Piece ₹
6408012	50	14 / 23	5	680.00
6408016	100	19 / 26	5	742.00
6408021	250	24 / 29	5	896.00
6408024	500	24 / 29	5	1200.00
6408029	1000	29 / 32	5	1988.00



6560 - CONE Plain Shank, Single

- Made from 3.3 borosilicate glass, USP Type I
- Complies to DIN 12249
- These joints are made with precision grinding

Product Code	Cone Joint Size	Total Length	Quantity Per Case	Price / Piece ₹
6560010	10 / 19	120	5	130.00
6560012	12 / 21	120	5	140.00
6560014	14 / 23	120	5	156.00
6560019	19 / 26	125	5	192.00
6560024	24 / 29	135	5	229.00
6560029	29 / 32	135	5	286.00
6560034	34 / 35	150	5	406.00
6560040	40 / 38*	150	5	463.00
6560045	45 / 40*	150	5	551.00
6560050	50 / 42*	150	5	640.00
6560055	55 / 44	150	5	754.00

* Not covered in standard



6561-CONE Plain Shank, Double

- Made from 3.3 borosilicate glass, USP Type I
- Complies to DIN 12249
- These joints are made with precision grinding

Product Code	Cone Joint Size	Total Length	Quantity Per Case	Price / Piece ₹
6561010	10 / 19	125	5	260.00
6561012	12 / 21	135	5	291.00
6561014	14 / 23	135	5	359.00
6561019	19 / 26	140	5	406.00
6561024	24 / 29	170	5	489.00
6561029	29 / 32	170	5	666.00
6561034	34 / 35	180	5	780.00
6561040	40 / 38	185	5	666.00

6580 - SOCKETS

Plain Shank, Single

- Made from 3.3 borosilicate glass, USP Type I
- Complies to DIN 12249
- These joints are made with precision grinding



Product Code	Cone Joint Size	Total Length	Quantity Per Case	Price / Piece ₹
6580010	10 / 19	120	5	140.00
6580012	12 / 21	120	5	166.00
6580014	14 / 23	120	5	187.00
6580019	19 / 26	125	5	192.00
6580024	24 / 29	135	5	234.00
6580029	29 / 32	135	5	286.00
6580034	34 / 35	150	5	406.00
6580040	40 / 38	150	5	494.00
6580045	45 / 40	150	5	640.00
6580050	50 / 42	150	5	723.00
6580055	55 / 44	150	5	900.00

6581 - SOCKETS

Plain Shank, Double

- Made from 3.3 borosilicate glass, USP Type I
- Complies to DIN 12249
- These joints are made with precision grinding



Funnels

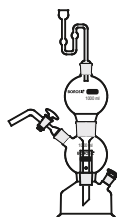
Product Code	Cone Joint Size	Total Length	Quantity Per Case	Price / Piece ₹
6581010	10 / 19	125	5	234.00
6581012	12 / 21	135	5	281.00
6581014	14 / 23	135	5	322.00
6581019	19 / 26	140	5	364.00
6581024	24 / 29	170	5	406.00
6581029	29 / 32	170	5	489.00
6581034	34 / 35	180	5	666.00
6581040	40 / 38	185	5	723.00



GAS GENERATOR

Any scientific lab is incomplete without Gas Generator, an instrument that supports a multitude of scientific experiments across institutions and industries. It is a rapid, inexpensive and effective apparatus to produce controllable amounts of common gases such as hydrogen sulphide, carbon dioxide etc.

BOROSIL® Gas Generator is an ideal choice with the promise of high quality and precision, thus making it the perfect solution for scientific purposes.



6550 - GAS GENERATOR

Kipps

- Manufactured from 3.3 Borosilicate glass USP Type I
- Used to produce common gases
- Simple to operate and quickly charged as well as assembled

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
6550024	500	1	8988.00
6550029	1000	1	11482.00

* Spares available on request

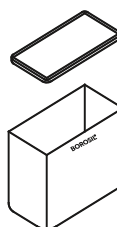


JARS

The cover of Museum Jar is provided with a small orifice for easy filling of the preservative without unsealing the lid. The excellent resistance to chemical attack and good optical clarity of Borosil® brand jars gives them a clear advantage over others.

6910 - Jars

Rectangular, Museum, with Cover, 3.3 Borosilicate glass



- Made from borosilicate glass 3.3 USP Type I
- Specially blown to give sturdiness and long life
- Top edges are flat ground
- Not recommended for use over a direct flame or on a hot plate
- Covers are made from Soda glass

Product Code	Approx Height x Length x Breadth mm	Quantity Per Case	Price / Piece ₹
6910M41	200 x 125 x 125	1	7712.00
6910M42	200 x 150 x 100	1	8169.00
6910M43	220 x 195 x 80	1	9090.00
6910M44	250 x 165 x 140	1	9516.00
6910M45	250 x 250 x 120	1	11450.00
6910M46	360 x 150 x 100	1	19188.00

KETTLES

Borosil brand Resin Reaction Kettles are designed for organic reactions involving viscous materials. The wide mouth enables easy access for cleaning the interior. The covers are of heavy construction, while the lower sections are mould-blown to ensure maximum resistance to mechanical breakage. The covers have openings with interchangeable joints to facilitate rapid assembly with Condensers, Stirrers, etc. Flanges of the covers and base are finely ground to ensure a tight seal.

6947 - KETTLES Resin Reaction

- Made of 3.3 Borosilicate glass
- Designed for viscous reaction materials
- The wide mouth enables easy access for cleaning the interior
- Flanges of the covers and base are finely ground to ensure a tight seal
- Equipped with interchangeable covers with four openings



Product Code	Capacity ml	Body Dia mm	Height mm	Quantity Per Case Set	Price / Piece ₹
6947024	500	100	150	1	11561.00
6947029	1000	110	175	1	12054.00
6947030	2000	150	185	1	14700.00
6947032	4000	150	340	1	17672.00

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.

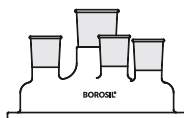


6948 - Bottoms

Only for Kettles Cat no. 6947

- Made of 3.3 borosilicate glass to ensure maximum resistance to mechanical breakage
- The base has a wide mouth that enables easy access for cleaning the interior
- Flanges of the base are finely ground to ensure a tight seal

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
6948024	500	2	5586.00
6948029	1000	2	6206.00
6948030	2000	2	8059.00
6948032	4000	2	11771.00



6949 - Covers

Only for Kettles Cat No. 6947

- Made of 3.3 borosilicate glass, and made of heavy construction
- The covers have openings with interchangeable joints to facilitate rapid assembly with
- Condensers and Stirrers
- Flanges of the covers are finely ground to ensure a tight seal

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
6949041	500 / 1000	2	8888.00
6949042	2000 / 4000	2	10322.00

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.

BOROSIL[®]

Flasks



- Conforms to IS 1381 (Part I & Part II)
- Mechanically strong
- Uniform Wall Thickness
- Ideal for heating applications
- Shape suitable for mixing liquid
- Available in Wide neck / Screw Cap and Amber colour
- Ideal for culture work

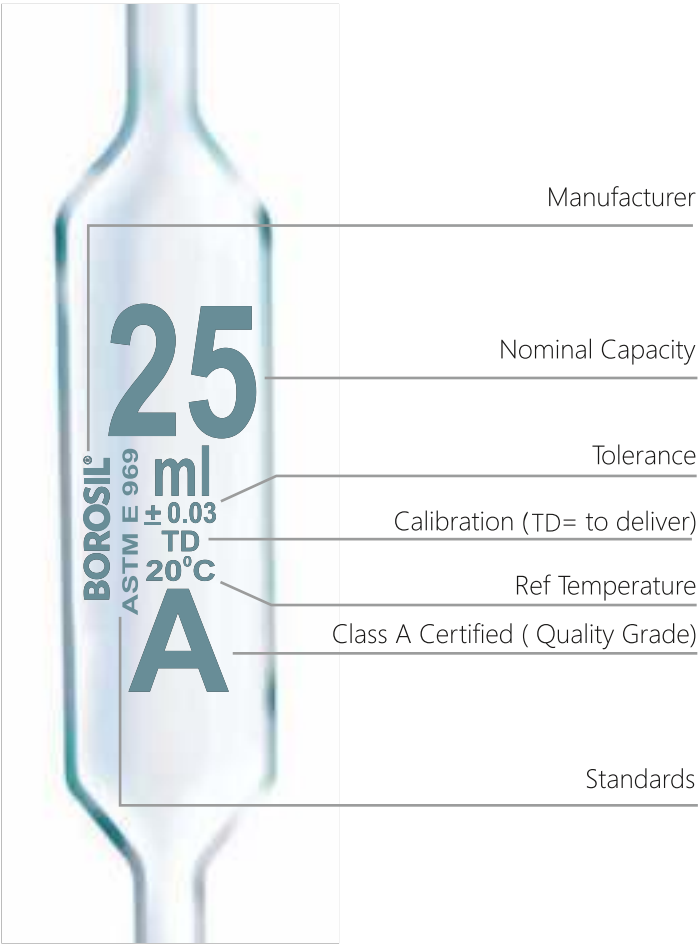
Pipettes

BOROSIL® brand Pipettes are made of specially-selected heavy wall machine-drawn borosilicate accurate bore glass tubing. They have precision formed jets, and bevel ground ends that resist chipping. The graduation marks are made in durable white enamel or amber stain, resistant to normal laboratory reagents and repeated washing. All the Pipettes are individually measured, and then marked. The uniformity of bore ensures accuracy between any two readings. The Pipettes can be autoclaved and, if necessary, can be flamed for sterilisation.

All **Borosil** Pipettes are colour-coded at the top in accordance with ISO Standards, to facilitate easy identification. The graduation marks are screen printed. The mouth piece of Pipettes of 5 ml and above are tooled with uniform OD for easy sucking. Such tooling also imparts additional strength.

Borosil brand Pipettes are truly dependable in terms of their accuracy. They are available in both, Class A with Works Certificate as well as Class B tolerances.



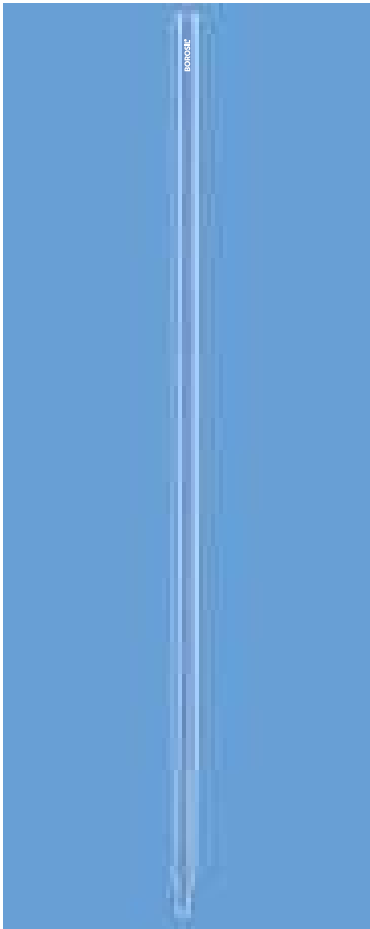


Tips are carefully tooled and ensure proper flow rates

Tip edges are fire polished



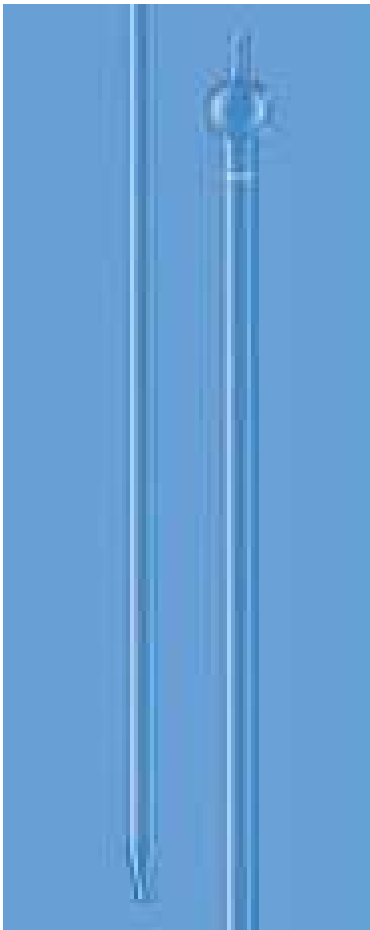
All pipettes are colour coded at the top to allow fast identification



7040 - PIPETTES
Artificial Insemination, Cattle, Taper Tip

- Made of machine-drawn high quality tubing
- Sturdy, strong and safe for repeated use
- It can be sterilised and cleaned easily

Product Code	Length mm	Quantity per Case	Price / Piece ₹
7040162	450	60	99.00



7041 - DRUM SAMPLING
Pipette

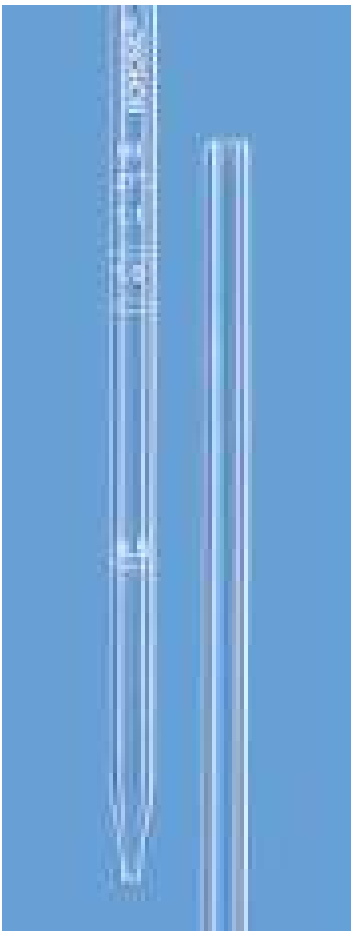
Product Code	Length mm	Quantity per Case	Price / Piece ₹
7041041	1000	4	496.00

Pipettes

7056 - PIPETTES
Bacteriological, Graduated

- Complies with IS 2025
- These Pipettes are used for the bacteriological examination of milk
- 1.1 ml is graduated at 0.5 to 1.1 ml
- 2.2 ml is graduated at 1.0, 2.0 , 2.1 and 2.2 ml

Product Code	Capacity ml	Tolerance ± ml	Quantity per Case	Price / Piece ₹
7056101	1.1	0.025	10	177.00
7056102	2.2	0.04	10	198.00



7057 - PIPETTES
Gerber, Milk

- Complies with IS 1223 (Part II)
- These Pipettes are used for testing milk by the Gerber method.
- Sturdy, designed to last long
- Gerber Milk Pipettes are one-mark transfer Pipettes for measuring 10.75 ml
- They can be also be used in rural Milk Collection Centres

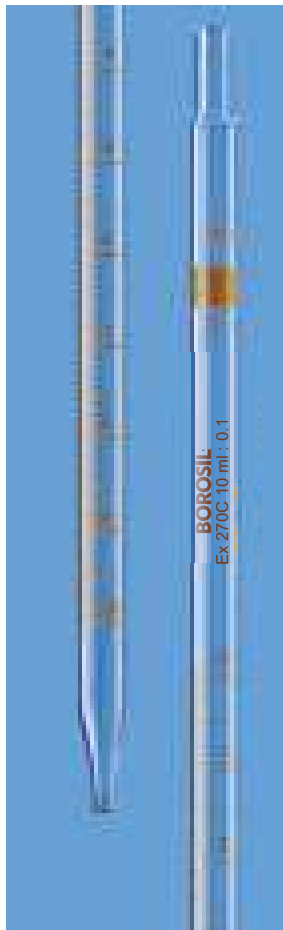
Product Code	Capacity ml	Tolerance ± ml	Quantity per Case	Price / Piece ₹
7057P10	10.75	0.03	10	187.00



Pipettes

7058 - MILK PIPETTES, CLASS A
With Certificate

Product Code	Capacity ml	Tolerance ± ml	Quantity per Case	Price / Piece ₹
7058P10	10.75	0.015	10	390.00

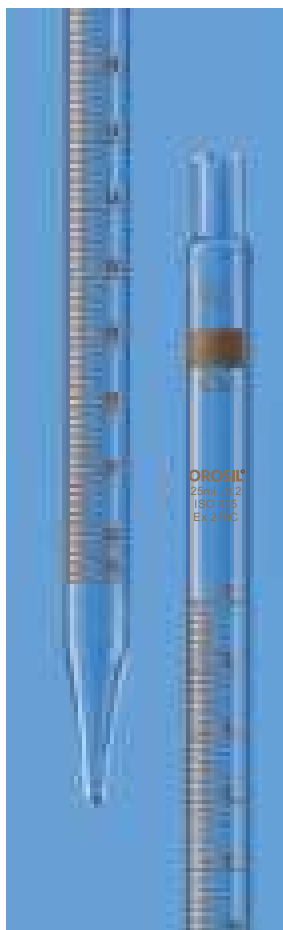


7059 - PIPETTES

Measuring (Mohr Type), Class A, with Works Certificate

- Complies with IS, EN ISO 835, Type I
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- Sturdy, designed to last long
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Supplied with individual calibration certificate showing actual volume dispensed and providing traceability to national standards

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7059P41	0.1	0.01	0.006	10	489.00
7059P42	0.2	0.01	0.006	10	489.00
7059P01	1	0.01	0.007	10	457.00
7059P11	1	0.10	0.007	10	406.00
7059P02	2	0.02	0.01	10	452.00
7059P22	2	0.10	0.01	10	421.00
7059P05	5	0.05	0.03	10	525.00
7059P55	5	0.10	0.03	10	489.00
7059P06	10	0.10	0.05	10	562.00
7059P09	25	0.20	0.10	10	660.00



7060 - PIPETTES

Measuring (Mohr Type), Class B

- Complies to IS, EN ISO 835
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- Sturdy, designed to last long
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7060P41	0.1	0.01	0.01	20	161.00
7060P42	0.2	0.01	0.01	20	156.00
7060P01	1	0.01	0.01	20	151.00
7060P11	1	0.10	0.01	20	146.00
7060P02	2	0.02	0.02	20	161.00
7060P22	2	0.10	0.02	20	156.00
7060P05	5	0.05	0.05	20	172.00
7060P55	5	0.10	0.05	20	166.00
7060P06	10	0.10	0.10	20	187.00
7060P09	25	0.20	0.20	20	286.00

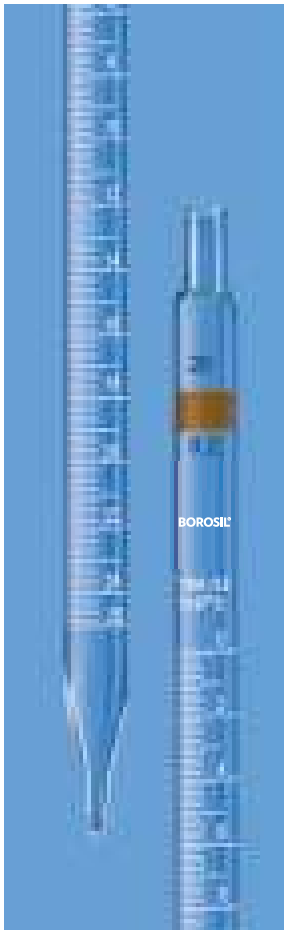
7062 - PIPETTES

Measuring (Mohr Type), Class B, White Marking

- Complies with EN ISO 835
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- Sturdy, designed to last long
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability



Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7062P41	0.1	0.01	0.01	20	161.00
7062P42	0.2	0.01	0.01	20	156.00
7062P01	1	0.01	0.01	20	151.00
7062P11	1	0.10	0.01	20	146.00
7062P02	2	0.02	0.02	20	161.00
7062P22	2	0.10	0.02	20	156.00
7062P05	5	0.05	0.05	20	172.00
7062P55	5	0.10	0.05	20	166.00
7062P06	10	0.10	0.10	20	187.00
7062P09	25	0.20	0.20	20	286.00



**NABL
CERTIFIED**

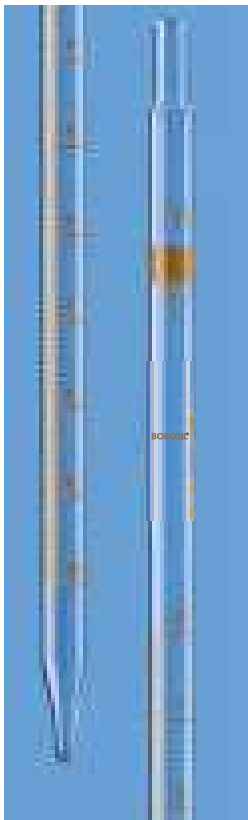
2030 - PIPETTES

Measuring (Mohr Type), Accuracy as per Class A, with Certificate, NABL Certified

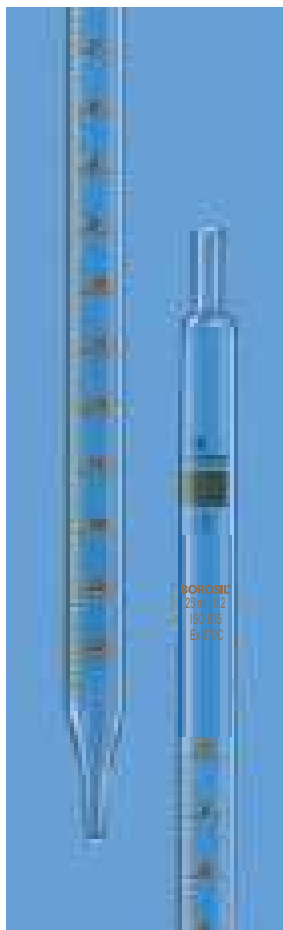
- Complies with IS, EN ISO 835
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- Sturdy, designed to last long
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Supplied with individual NABL calibration certificate showing actual volume dispensed and providing traceability to national standards



Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
2030P41	0.1	0.01	0.006	1	853.00
2030P42	0.2	0.01	0.006	1	853.00
2030P01	1	0.01	0.007	1	831.00
2030P11	1	0.10	0.007	1	697.00
2030P02	2	0.02	0.01	1	869.00
2030P22	2	0.10	0.01	1	728.00
2030P05	5	0.05	0.03	1	926.00
2030P55	5	0.10	0.03	1	853.00
2030P06	10	0.10	0.05	1	978.00
2030P09	25	0.20	0.10	1	1139.00



Pipettes

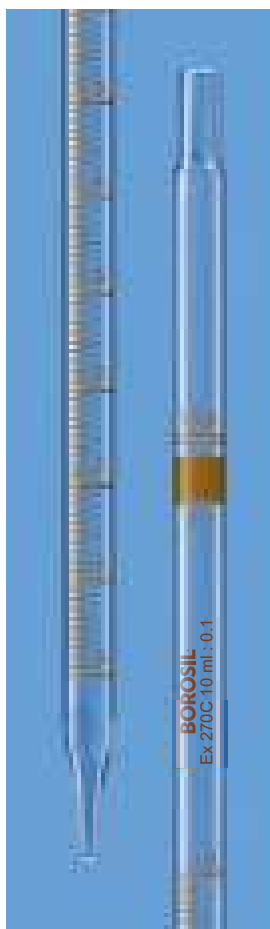


7079 - PIPETTES

Serological, Class A, with Certificate

- Complies with IS, EN ISO 835, Type III total delivery
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7079P41	0.1	0.01	0.006	10	489.00
7079P42	0.2	0.01	0.006	10	489.00
7079P01	1	0.01	0.007	10	557.00
7079P11	1	0.10	0.007	10	406.00
7079P02	2	0.02	0.01	10	452.00
7079P22	2	0.10	0.01	10	421.00
7079P05	5	0.05	0.03	10	525.00
7079P55	5	0.10	0.03	10	489.00
7079P06	10	0.10	0.05	10	562.00
7079P09	25	0.20	0.10	10	660.00



7080 - PIPETTES

Serological Class B

- Complies with IS, EN ISO 835
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7080P41	0.1	0.01	0.01	20	161.00
7080P42	0.2	0.01	0.01	20	156.00
7080P01	1	0.01	0.01	20	151.00
7080P11	1	0.10	0.01	20	146.00
7080P02	2	0.02	0.02	20	161.00
7080P22	2	0.10	0.02	20	156.00
7080P05	5	0.05	0.05	20	172.00
7080P55	5	0.10	0.05	20	166.00
7080P06	10	0.10	0.10	20	187.00
7080P09	25	0.20	0.20	20	286.00

7081 - PIPETTES

Serological, Class A Accuracy as per USP

- Complies with ASTM 1293 - 02
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- Sturdy, designed to last long
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Supplied with individual calibration certificate showing actual volume dispensed and providing traceability to national standards



Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7081P01	1	0.01	0.01	10	442.00
7081P11	1	0.1	0.01	10	411.00
7081P22	2	0.01	0.01	10	442.00
7081P55	5	0.1	0.02	10	530.00
7081P06	10	0.1	0.03	10	572.00
7081P09	25	0.1	0.05	10	676.00



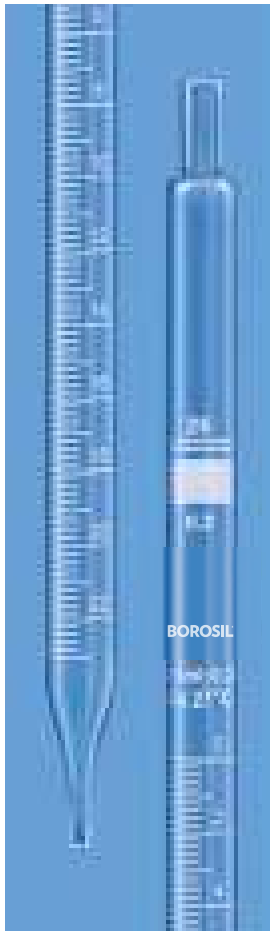
7082 - PIPETTES

Serological, (White Marking), Class B

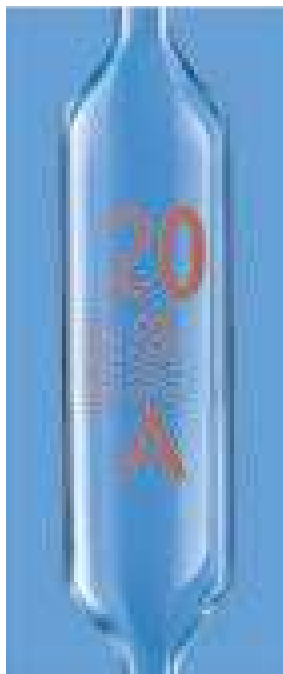
- Complies with IS, EN ISO 835
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Graduation in white enamel increases the visibility with dark solution



Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7082P41	0.1	0.01	0.01	20	162.00
7082P42	0.2	0.01	0.01	20	156.00
7082P01	1	0.01	0.01	20	151.00
7082P11	1	0.10	0.01	20	146.00
7082P02	2	0.02	0.02	20	161.00
7082P22	2	0.10	0.02	20	156.00
7082P05	5	0.05	0.05	20	172.00
7082P55	5	0.10	0.05	20	166.00
7082P06	10	0.10	0.10	20	187.00
7082P09	25	0.20	0.20	20	286.00



Pipettes



7100 - PIPETTES

Transfer, Volumetric, Class A Accuracy, with Certificate

- Complies with EN ISO 648
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- Each pipette coded with unique no. supplied with calibration certificate giving exact volume with traceability to national standards

Product Code	Capacity ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7100001	1	0.008	10	317.00
7100002	2	0.010	10	322.00
7100005	5	0.015	10	364.00
7100006	10	0.02	10	437.00
7100008	20	0.03	10	567.00
7100009	25	0.03	10	603.00
7100012	50	0.05	10	686.00
7100016	100	0.08	10	1035.00



Calibrated at
20°C



7101 - PIPETTES

Transfer, Volumetric, Class A, Accuracy as per USP

- Complies with ASTM E-969-02
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- Each pipette coded with unique no. supplied with calibration certificate giving exact volume with traceability to national standards

Product Code	Capacity ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7101001	1	0.006	10	322.00
7101105	1.5*	0.006	10	364.00
7101002	2	0.006	10	364.00
7101205	2.5*	0.01	10	406.00
7101003	3	0.01	10	380.00
7101004	4	0.01	10	380.00
7101005	5	0.01	10	385.00
7101706	6	0.01	10	426.00
7101707	7	0.01	10	426.00
7101708	8	0.02	10	426.00
7101709	9	0.02	10	426.00
7101006	10	0.02	10	437.00
7101007	15	0.03	10	494.00
7101008	20	0.03	10	572.00
7101009	25	0.03	10	608.00
7101010	30	0.03	10	608.00
7101011	40	0.05	10	640.00
7101012	50	0.05	10	697.00
7101016	100	0.08	10	1050.00

-*Not covered in standards

2040 - PIPETTES

Transfer, Volumetric, Accuracy as per Class A, With Certificate, NABL Certified

- Complies with IS 1117, EN ISO 648
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- Each pipette coded with unique no. supplied with NABL calibration certificate giving exact volume with traceability to national standards



Product Code	Capacity ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
2040001	1	0.008	1	562.00
2040002	2	0.010	1	577.00
2040005	5	0.015	1	624.00
2040006	10	0.020	1	764.00
2040008	20	0.030	1	988.00
2040009	25	0.030	1	1061.00
2040012	50	0.050	1	1191.00
2040016	100	0.080	1	1804.00





7102 - PIPETTES

Transfer, Volumetric, Class B

- Complies with EN ISO 648
- Calibrated for delivery
- Generally used for accurate measurement and decanting of liquid

Product Code	Capacity ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7102001	1	0.015	10	151.00
7102002	2	0.02	10	151.00
7102005	5	0.03	10	156.00
7102006	10	0.04	10	187.00
7102008	20	0.06	10	224.00
7102009	25	0.06	10	224.00
7102012	50	0.10	10	265.00
7102016	100	0.15	10	400.00



7103 - PIPETTES

Transfer, Volumetric, Class B

- Complies with ASTM E-969-02
- Calibrated for delivery
- Generally used for accurate measurement and decanting of liquid

Product Code	Capacity ml	Tolerance \pm ml	Quantity per Case	Price / Piece ₹
7103001	1	0.012	10	156.00
7103002	2	0.012	10	166.00
7103003	3	0.02	10	166.00
7103004	4	0.02	10	166.00
7103005	5	0.02	10	166.00
7103706	6	0.03	10	177.00
7103707	7	0.03	10	177.00
7103708	8	0.04	10	177.00
7103709	9	0.04	10	177.00
7103006	10	0.04	10	187.00
7103007	15	0.06	10	224.00
7103008	20	0.06	10	224.00
7103009	25	0.06	10	229.00
7103010	30*	0.06	10	234.00
7103011	40*	0.10	10	255.00
7103012	50	0.10	10	270.00
7103016	100	0.16	10	400.00

* Not covered in ASTM standards

7105 - PIPETTE

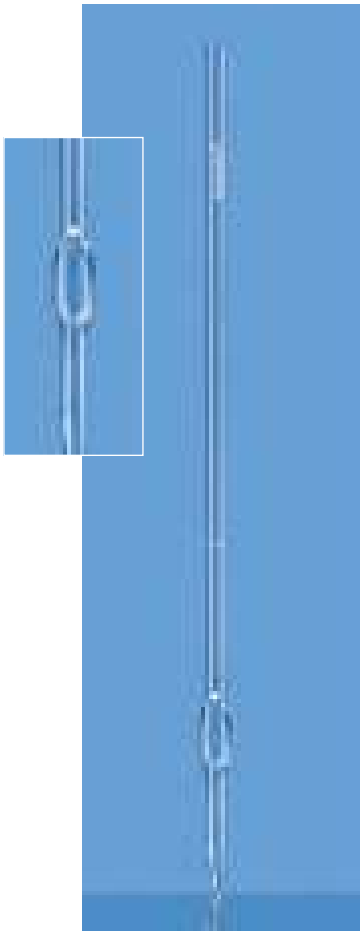
Ostwald - Folin

- Complies with IS 5155 : 2009



Product Code	Capacity ml	Quantity per Case	Price / Piece ₹
7105P45	0.5	10	281.00
7105001	1	10	333.00

These pipettes are generally used for blood serum tests. They are calibrated to deliver by blowing out the last drop.



7106 - PIPETTES

Transfer, Volumetric, Class A, Accuracy as per USP, Amber

- Complies with ASTM E-969-02
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- Each pipette coded with unique no. supplied with calibration certificate giving exact volume with traceability to national standards



Product Code	Capacity ml	Tolerance ± ml	Quantity per Case	Price / Piece ₹
7106001	1	0.006	10	551.00
7106002	2	0.006	10	551.00
7106005	5	0.010	10	603.00
7106006	10	0.02	10	619.00
7106008	20	0.03	10	676.00
7106009	25	0.03	10	676.00
7106012	50	0.05	10	785.00
7106016	100	0.08	10	1050.00



Pipettes

Weighing Scoop

Borosil Weighing Scoops are primarily used when small quantities of powder, liquid or semi-solid material need to be weighed. The powder can be introduced into the receiving vessel through the tubular stem.



7200 – WEIGHING SCOOP

- Weighing Scoops have an open tubular arm.
- Ideal for weighing small quantities of dyes and powders

Product Code	Capacity ml	Quantity per Case	Price / Piece ₹
7200P45	0.5	10	230.00
7200001	1	10	205.00
7200002	2	10	205.00
7200003	3	10	194.00
7200076	6	10	215.00
7200006	10	10	247.00

Tubes

Based on your needs, we offer an assortment of centrifuge tubes, Folin-Wu Tubes. All are made from uniformly drawn high quality tubing for extended service life and your safety.



7840 - TUBES Blood Sugar, Folin-Wu

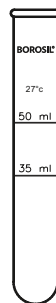
- Complies with IS 3740
- Made of uniformly drawn high quality tubing for extended service life
- The tube is calibrated at 12.5 ml and 25 ml

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
7840009	25	20 x 220	20	248.00

7920 - TUBES

Digestion, Folin - Wu

- Made from uniformly drawn high quality tubing for extended service life
- The tube is calibrated at 35 ml and 50 ml



Product Code	Approx O.D. x Length	Quantity Per Case mm	Price / Piece ₹
7920057	25 x 200	20	178.00



8060 - TUBES

Centrifuge, Conical Bottom Plain

- Made of uniformly drawn high quality tubing for extended service life
- The higher density fraction collects in the pointed centre of the base
- Consequently, even small amounts of solids can be collected and separated



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
8060007	15	17 x 120	100	65.00



8080 - TUBES

Centrifuge, Conical Bottom, Graduated

- Made of uniformly drawn high quality tubing for extended service life
- The higher density fraction collects in the pointed centre of the base
- Consequently, even small amounts of solids can be collected and separated
- Graduated for greater precision



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
8080007	15	17 x 120	30	135.00
8080012	50	29 x 140	20	265.00



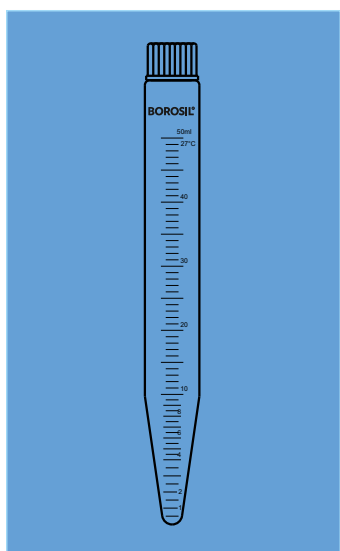


8084 - TUBES

Centrifuge, Conical Bottom, Graduated, with Stopper

- Made of uniformly drawn high quality tubing for extended service life
- The higher density fraction collects in the pointed centre of the base
- Consequently, even small amounts of solids can be collected and separated
- Graduated tubes for greater precision
- Equipped with a stopper

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
8084007	15	17 x 139	30	400.00
8084012	50	29 x 165	10	502.00



8090 - TUBES

Centrifuge conical bottom, graduated, with PP screw cap

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
8090007	15	17 x 130	30	535.00
8090012	50	29 x 150	10	702.00



8100 - STOPPERS

Interchangeable Ground Joint, Solid, Penny Head

Product Code	Interchangeable Joint Size	Quantity per Case	Price / Piece ₹
8100A10	10 / 19	20	82.00
8100A12	12 / 21	20	88.00
8100A14	14 / 23	20	88.00
8100A19	19 / 26	20	103.00
8100A24	24 / 29	20	191.00
8100A29	29 / 32	20	232.00
8100A34	34 / 35	20	247.00
8100010	10 / 15	20	82.00
8100014	14 / 15	20	88.00
8100019	19 / 20	20	103.00
8100024	24 / 25	20	191.00

For products listed on the above table use HSN code 39235010

8320 - TUBES

Centrifuge, Short Conical Bottom, Pour Out, Heavy Duty, Plain

- Made of uniformly drawn high quality tubing for extended service life
- The higher density fraction collects in the pointed centre of the base
- Consequently, even small amounts of solids can be collected and separated



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
8320011	40	29 x 116	20	184.00



8340 - TUBES

Centrifuge, Short Conical Bottom, Pour Out, Heavy Duty, Graduated

- Made of uniformly drawn high quality tubing for extended service life
- The higher density fraction collects in the pointed centre of the base
- Consequently, even small amounts of solids can be collected and separated
- Graduated tubes for greater precision



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
8340011	40	29 x 116	20	329.00

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



8400 - STOPPERS

Interchangeable Ground Joint, Solid, Penny Head, **Amber**



Product Code	Interchangeable Joint Size	Quantity per Case	Price / Piece ₹
8400A10	10 / 19	20	103.00
8400A12	12 / 21	20	129.00
8400A14	14 / 23	20	129.00
8400A19	24 / 29	20	144.00
8400A24	29 / 32	20	227.00
8400A29	34 / 35	20	268.00
8400A34	34 / 35	20	288.00
8400010	10 / 15	20	103.00
8400014	14 / 15	20	129.00
8400019	19 / 20	20	144.00
8400024	24 / 25	20	227.00

For products listed on the above table use HSN code 39235010



Adapters

The Adapter tubes listed below are the most widely used ones, and will enable a laboratory to assemble its own apparatus using the Flasks and Condensers listed earlier. The joints are fully interchangeable and made to the same precision as all Borosil ground joints.

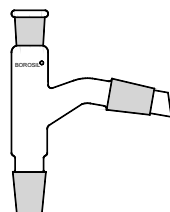


8840 - ADAPTER CONES SCREW THREAD



Product Code	Socket Joint Size	Quantity Per Case	Price / Piece ₹
8840A14	14 / 23	5	270.00
8840A19	19 / 26	5	270.00
8840A24	24 / 29	5	317.00
8840A29	29 / 32	5	411.00

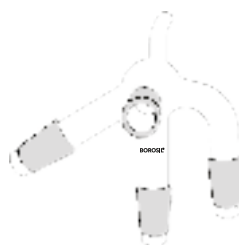
8841 - SLOPPING PLANE STILL HEAD



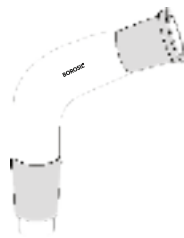
Product Code	Flask Cone	Cond. Cone	Socket	Quantity Per Case	Price / Piece ₹
8841610	10 / 19	10 / 19	10 / 19	5	400.00
8841614	14 / 23	14 / 23	14 / 23	5	421.00
8841619	19 / 26	19 / 26	14 / 23	5	473.00
8841819	19 / 26	19 / 26	19 / 26	5	504.00
8841724	24 / 29	19 / 26	14 / 23	5	536.00
8841624	24 / 29	24 / 29	19 / 26	5	577.00
8841729	29 / 32	19 / 26	14 / 23	5	588.00
8841629	29 / 32	29 / 32	14 / 23	5	848.00
8841634	34 / 35	19 / 26	14 / 23	5	681.00
8841734	34 / 35	24 / 29	14 / 23	5	796.00
8841834	34 / 35	34 / 35	14 / 23	5	2272.00

8844 - ADAPTER RECEIVER

Multiple Connectivity



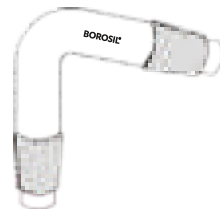
Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case	Price / Piece ₹
8844614	14 / 23	14 / 23	5	775.00
8844714	14 / 23	19 / 26	5	816.00
8844619	19 / 26	19 / 26	5	915.00



8845 - ADAPTER RECEIVER

Plain Bend

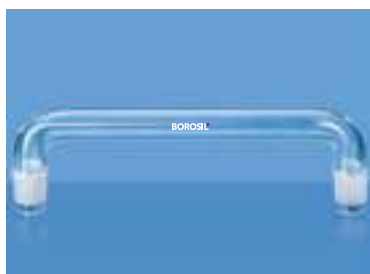
Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case	Price / Piece ₹
8845619	19 / 26	19 / 26	5	296.00
8845719	19 / 26	24 / 29	5	322.00
8845624	24 / 29	24 / 29	5	385.00
8845629	29 / 32	29 / 32	5	556.00



8846 - ADAPTER RECOVERY BEND

With Sloping End

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case	Price / Piece ₹
8846614	14 / 23	14 / 23	5	218.00
8846724	24 / 29	14 / 23	5	296.00
8846619	19 / 26	19 / 26	5	296.00
8846824	24 / 29	19 / 26	5	307.00
8846729	29 / 32	19 / 26	5	400.00
8846734	34 / 35	19 / 26	5	432.00
8846624	24 / 29	24 / 29	5	307.00
8846834	34 / 35	24 / 29	5	478.00
8846634	34 / 35	34 / 35	5	536.00



8847 - ADAPTER RECOVERY

Bend Vertical

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case	Price / Piece ₹
8847614	14 / 23	14 / 23	5	317.00
8847619	19 / 26	19 / 26	5	385.00
8847724	24 / 29	14 / 23	5	411.00
8847624	24 / 29	24 / 29	5	489.00
8847629	29 / 32	29 / 32	5	640.00

8849 - CLAISEN HEAD SLOPING



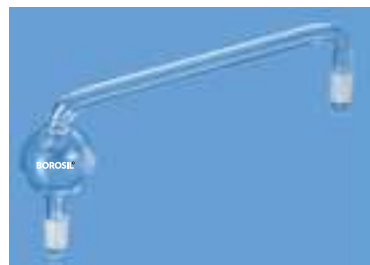
Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case	Price / Piece ₹
8849614	14 / 23	14 / 23	5	525.00
8849619	19 / 26	19 / 26	5	577.00
8849724	24 / 29	19 / 26	5	608.00
8849624	24 / 29	24 / 29	5	660.00
8849629	29 / 32	29 / 32	5	712.00
8849734	34 / 35	24 / 29	5	759.00

8850 - ADAPTER RECEIVER PLAIN, VERTICAL



Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case	Price / Piece ₹
8850614	14 / 23	14 / 23	5	478.00
8850719	19 / 26	24 / 29	5	525.00
8830724	24 / 29	29 / 32	5	588.00

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	588.00
8851724	24 / 29	19 / 26	5	608.00
8851624	24 / 29	24 / 29	5	759.00
8851629	29 / 32	29 / 32	5	816.00

Adapters



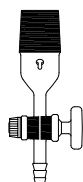
8852 - SPLASH HEAD SLOPING PEAR SHAPE

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case	Price / Piece ₹
8852619	19 / 26	19 / 26	5	556.00
8852724	24 / 29	19 / 26	5	588.00
8852624	24 / 29	24 / 29	5	640.00
8852629	29 / 32	29 / 32	5	660.00



8853 - STEAM DISTILLATION HEADS

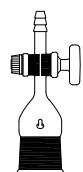
Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case	Price / Piece ₹
8853724	24 / 29	19 / 26	5	816.00
8853734	34 / 35	19 / 26	5	1009.00
8853834	34 / 35	24 / 29	5	1040.00



8854 - ADAPTOR Straight cone with stopcock

- Made from 3.3 borosilicate glass, USP Type I

Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case	Price / Piece ₹
8854014	14 / 23	2	5	1227.00
8854019	19 / 26	2	5	1243.00
8854024	24 / 29	2	5	1321.00
8854029	29 / 32	2	5	1482.00
8854034	34 / 35	2	5	1660.00



8855 - ADAPTOR Straight socket with stopcock

- Made from 3.3 borosilicate glass, USP Type I

Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case	Price / Piece ₹
8855014	14 / 23	2	5	1414.00
8855019	19 / 26	2	5	1425.00
8855024	24 / 29	2	5	1529.00
8855029	29 / 32	2	5	1633.00
8855034	34 / 35	2	5	1780.00

8856 - ADAPTOR

Bend cone with stopcock

- Made from 3.3 borosilicate glass, USP Type I

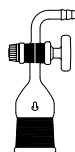


Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case	Price / Piece ₹
8856014	14 / 23	2	5	1414.00
8856019	19 / 26	2	5	1425.00
8856024	24 / 29	2	5	1529.00
8856029	29 / 32	2	5	1633.00
8856034	34 / 35	2	5	1846.00
8856034	34 / 35	2	5	1775.00

8857 - ADAPTOR

Bend Socket with stopcock

- Made from 3.3 borosilicate glass, USP Type I



Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case	Price / Piece ₹
8857014	14 / 23	2	5	1508.00
8857019	19 / 26	2	5	1518.00
8857024	24 / 29	2	5	1622.00
8857029	29 / 32	2	5	1851.00
8857034	34 / 35	2	5	2028.00

8861 - THERMOMETER POCKET

Long type

- Made from 3.3 borosilicate glass, USP Type I

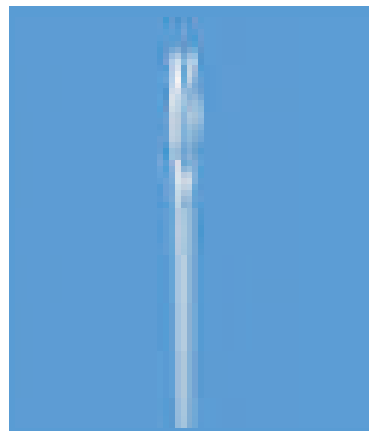


Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case	Price / Piece ₹
8861014	14 / 23	2	10	364.00
8861019	19 / 26	2	10	458.00
8861024	24 / 29	2	10	510.00
8861029	29 / 32	2	10	822.00
8861034	34 / 35	2	10	967.00

8862 - THERMOMETER POCKET

Short type

- Made from 3.3 borosilicate glass, USP Type I



Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case	Price / Piece ₹
8862014	14 / 23	2	10	400.00
8862019	19 / 26	2	10	484.00
8862024	24 / 29	2	10	551.00



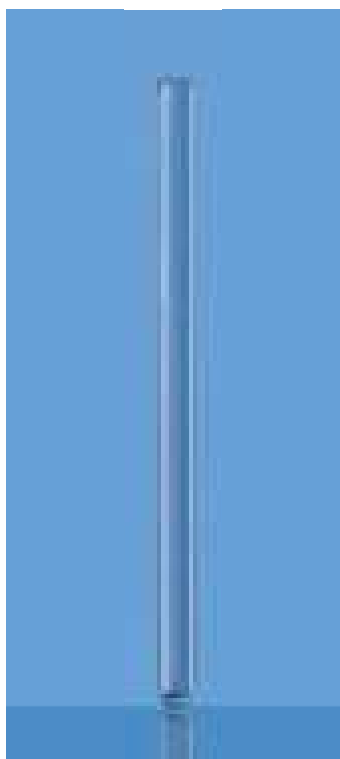
9800 - TUBES,

Test, With Rim

- Complies with IS 2618, ISO / DIN 4142
- Made of borosilicate glass, designed with a round bottom
- Made thick-walled, mechanically very resistant
- High thermal shock resistance
- Designed with a rim

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9800U01	3	10 x 75	800	8.42
9800U02	5	12 x 75	800	8.42
9800U03	7	12 x 100	800	11.94
9800U15	4	13 x 55*	800	12.90
9800U04	13	15 x 125	800	14.18
9800U05	15	15 x 150	800	16.53
9800U06	27	18 x 150	400	17.70
9800U07	38	25 x 100	200	22.39
9800U08	55	25 x 150	200	27.08
9800U09	70	25 x 200	100	35.40
9800U10	100	32 x 200	50	52.99
9800U11	170	38 x 200	50	64.60

* IS : 3740 for tube widal



9801 - TUBE FOR CULTURE COLLECTION

- Made of borosilicate glass, designed with a round bottom
- Made thick-walled, mechanically very resistant
- High thermal shock resistance
- Used for pathological tests

Product Code	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9801U01	7 x 127	200	21.00

Used for pathological tests

9820 - TUBES

Test (Culture), Without Rim

- Complies with IS 2618, ISO / DIN 4142
- Made of borosilicate glass, designed with a round bottom
- Made thick-walled, mechanically very resistant
- High thermal shock resistance
- Designed without a rim

BOROSIL
ISO 9001:2015

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9820U16	1	7 x 60*	400	8.32
9820U01	3	10 x 75***	800	8.43
9820U02	5	12 x 75**/***	800	8.43
9820U03	7	12 x 100***	800	11.94
9820U17	8	12 x 125***	800	12.05
9820U04	13	15 x 125	800	14.18
9820U05	15	15 x 150	400	16.53
9820U12	12	16 x 100***	800	15.36
9820U18	20	16 x 150***	400	19.99
9820U06	27	18 x 150	400	17.70
9820U19	25	19 x 125***	400	19.99
9820U07	38	25 x 100	200	22.39
9820U08	55	25 x 150***	200	27.08
9820U09	70	25 x 200	100	35.40
9820U10	100	32 x 200	50	52.99
9820U11	170	38 x 200	50	64.61

* IS:3740 - 1966 for DURHAM FERMENTATION

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

*** IS:3740 - 1966 for BACTERIOLOGICAL TEST



9821 - TUBE

Flat Bottom without RIM

- Made of borosilicate glass, designed with a flat bottom
- High thermal shock resistance
- Designed without a rim
- Used for pathological tests and disintegration apparatus

BOROSIL

Product Code	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9821U42	12 x 75	800	21.00



Test Tubes



9822 - TUBE

Flat Bottom with Rim



- Made of borosilicate glass, designed with a flat bottom
- High thermal shock resistance
- Designed with rim
- Used for pathological tests and disintegration apparatus

Product Code	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9822U06	18 x 138	400	41.00
9822U07	18 x 55	100	26.00
9822U04	14 x 110	800	36.00



9830 - TUBES

Test Graduated, with interchangeable Stopper



- Made of borosilicate glass, designed with a round bottom
- Made thick-walled, mechanically very resistant
- High thermal shock resistance
- These Test Tubes are graduated for greater precision

Product Code	Capacity ml	Approx O.D.xLength mm	Stopper Size	Quantity Per Case	Price/Piece ₹
9830006	10	17 x 160	10 / 15	10	206.00
9830007	15	15 x 150	14 / 15	10	227.00
9830008	20	19 x 160	14 / 15	10	237.00
9830010	30	25 x 155	19 / 26	10	247.00
9830012	50	25 x 200	19 / 26	10	263.00
9830016	100	34 x 210	24 / 25	10	397.00



9835 - TUBES

COD Digestion Tube

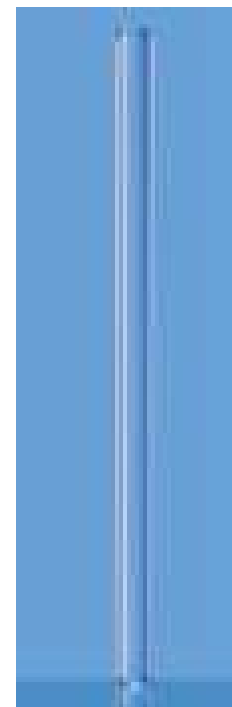


- Made from thick walled, mechanically very resistance borosilicate glass
- Used in COD Disintegration

Product Code	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9835A01	36 x 205	10	422.00
9835001	39 x 205	10	422.00

9850 - STIRRER

- Made of polished 3.3 borosilicate glass

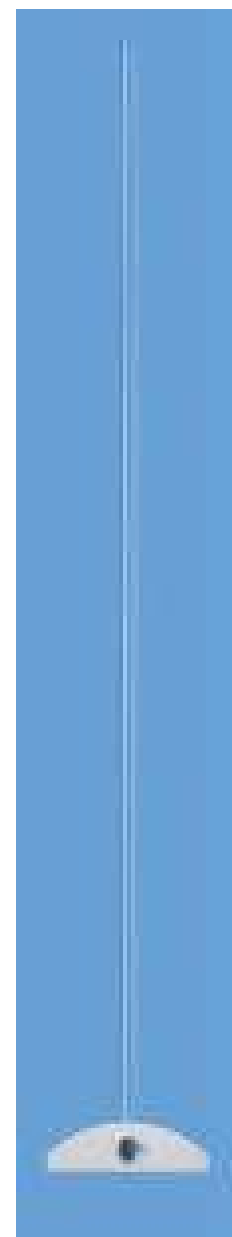
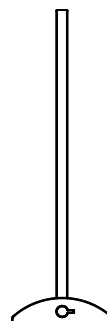


Product Code	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9850107	7 x 150	20	26.00
9850207	7 x 205	20	36.00
9850307	7 x 255	20	41.00
9850407	7 x 305	20	46.00
9850109	9 x 150	20	41.00
9850209	9 x 205	20	46.00
9850309	9 x 255	20	57.00
9850409	9 x 305	20	57.00

9860 - STIRRERS

with PTFE Blade

- Ideal for very sensitive samples
- Made of polished 3.3 borosilicate glass
- Provided with chemically inert PTFE blade
- Application in synthetic laboratory



Product Code	Description	Quantity Per Case	Price / Piece ₹
9860065	Shaft Dia 6 mm & Length 450 mm Blade Width 50 mm, Suitable for 500 ml Flask, Socket 19 / 26	10	335.00
9860071	Shaft Dia 6 mm & Length 450 mm Blade Width 75 mm, Suitable for 1000 ml Flask, Socket 24 / 29	10	412.00
9860077	Shaft Dia 8 mm & Length 600 mm Blade Width 100 mm, Suitable for 2000 ml Flask, Socket 34 / 35	5	525.00
9860080	Shaft Dia 8 mm & Length 600 mm Blade Width 125 mm, Suitable for 5000 ml Flask, Socket 34 / 35	5	577.00
9860081	Shaft Dia 10 mm & Length 750 mm Blade Width 150 mm, Suitable for 10000 ml Flask, Socket 55 / 44	5	1025.00
9860087	Shaft Dia 10 mm & Length 750 mm Blade Width 200 mm, Suitable for 20000 ml Flask, Socket 55 / 44	5	1143.00



9900 - TUBES

Culture, Media, Round Bottom, with PP Screw Cap and Liner

- Made of borosilicate glass, designed with a round bottom
- The ideal replacement for media culture bottles
- Designed with special caps to facilitate handling and sealing

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9900005	5	16 x 75	100	52.00
9900006	10	16 x 125	100	57.00
9900010	30	25 x 100	100	72.00
9900012	50	25 x 150	50	77.00
9900013	60	25 x 200	50	77.00
9900018	150*	38 x 200	50	319.00

All caps are Polypropylene with PTFE liner, except 150 ml

#Blue colour cap without PTFE liner & autoclavable up to 140°



9901 - TUBES

Culture, **Amber, Media, Round Bottom, with PP Screw Cap and PTFE Liner**

- Made of borosilicate glass, designed with a round bottom
- The ideal replacement for media culture bottles
- The uniform Amber colour is highly durable and has high chemical resistance.
- Designed with special caps to facilitate handling and sealing

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9901005	5	16 x 75	100	93.00
9901006	10	16 x 125	100	124.00
9901010	30	25 x 100	100	139.00
9901013	60	25 x 200	50	180.00
9901018	150*	38 x 200	50	809.00

• All caps are Polypropylene with PTFE liner, except 150 ml

• #Blue colour cap without PTFE liner & autoclavable up to 140°



9910 - TUBES

Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner

- Made of borosilicate glass, designed with a flat bottom for convenient storage
- The ideal replacement for Bijou, Mc Cartney and universal bottles
- Designed with special caps to facilitate handling and sealing
- Caps are autoclavable (Steam Sterilisation upto 121°C)

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9910005	5	16 x 50	100	46.00
9910006	10	25 x 50	100	62.00
9910007	15	25 x 57	100	57.00
9910008	20	25 x 72	100	67.00
9910010	30	25 x 95	100	72.00
9910012	50	25 x 145	50	77.00

9911 - TUBES

Culture, **Amber**, Media, Flat Bottom, with PP Screw Cap and PTFE Liner

- Made of Type I Class “A” 3.3 expansion borosilicate glass (ASTM 438)
- The ideal replacement for Bijou, Mc Cartney and universal bottles
- Designed with special caps to facilitate handling and sealing
- Caps are autoclavable (Steam Sterilisation upto 121°C)

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
9911005	5	16 x 50	100	98.00
9911006	10	25 x 50	100	129.00
9911007	15	25 x 57	100	129.00
9911008	20	25 x 72	100	149.00
9911010	30	25 x 95	100	165.00



9913 - VIALS

Sampling & Storage Screw Neck Vials, **Amber**, with Write on Patch

- Sampling & Storage Screw Neck Vials, Amber with Write on Patch pre-assembled with PP Screw Cap with PTFE liner
- Made from USP Type I, 5.1 expansion borosilicate glass (Glass Type as per ASTM E-438)
- Complies glass composition and spectral transmission test as per USP chapter 660/ ` USP 40 and European pharmacopoeia 9.0
- Packed in ISO “Class 8” clean room facility
- Ideal for working standard storage, sampling of specimen samples of raw materials and finish products
- AMBER colour protects light sensitive materials



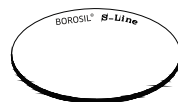
Product Code	Capacity ml	Approx Mouth ID in mm	Dimension O.D. x Length in mm	Price Per Piece MOQ 1 x 1050 ₹	Price Per Piece MOQ 10 x 1050 ₹
9913003	3	10	16 x 36	29.00	26.00
9913005	5	10	16 x 55	31.00	28.00
9913006	10	16.5	24 x 50	46.00	41.00
9913007	15	16.5	24 x 58	51.00	46.00
9913008	20	16.5	24 x 70	66.00	60.00
9913010	30	16.5	24 x 95	77.00	70.00

*Available in minimum pack of 1050 Nos

9986 - WATCH GLASSES

Borosil S - Line

- Made of soda glass
- A special process is used that results in an absolutely flat curved surface
- High clarity, free of bubbles
- All of them are moulded to the same radius of curvature for convenient stacking



Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
9986072	80	50	82.00
9986077	100	50	93.00
9986079	120	20	103.00
9986081	150	20	134.00

Watch Glasses



Test Tubes

Sintered Ware

Technical Data

Borosil Sintered Glassware is used for filtration of liquids and gases in the laboratory. It has a non-corrosive and reusable porous glass disc as the filter media. It is also used for gas washing, dispersion and absorption.

The Sintered Disc is manufactured by crushing Borosil glass, and then powdering, cleaning and separating it into various mesh sizes, and finally, fusing it together in the form of a Disc. Sintered Discs are classified into 5 grades - G1, G2, G3, G4 and G5. The grades are defined in terms of the maximum pore size that is obtained by measuring the pressure at which the first air bubble breaks away from the filter, under specified conditions. The pressure differential is then used to calculate the equivalent capillary diameters in microns. The desired pore size is obtained by controlling the grain size, firing time, temperature and thickness of the Disc. Each Disc is tested and graded individually.

The pore diameters are reasonably uniform, which ensures the required flow rate through the filter. The flow rate further depends on the pressure differential between the two sides of the Disc, the free area of the Disc, viscosity of the fluid being filtered, and other factors. There is a fair amount of uniformity in the pore size of different Discs of the same size and grade. Hence, the results from two or more Discs of the same size and grade will be uniform, thereby ensuring reproducible analytical results.

The Discs have maximum surface hardness and hence, the glass powder does not get scraped off while cleaning or with chemicals. The filters do not shed particles during usage.

The Discs are sealed to tubing without blocking the pores. They are then annealed properly in automatically controlled Lehrs.

Porosity Grades And Their General Use

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

Chemical Durability

Borosil Sintered Ware is manufactured with the same high quality material of which all Borosil brand borosilicate laboratory glassware is made, ensuring excellent resistance to chemical attack.

Operating Pressure

Sintered Discs, and the glassware that incorporates them, are designed mainly for the application of vacuum or for passage of gases at relatively low pressure. In all cases, the differential pressure must not exceed 100 kN / m² (15 psi).

Thermal Limitations

Sintered Ware has a lower level of resistance to thermal shock as compared to standard Borosil glassware. Therefore, articles of Sintered Ware should not be subjected to excessive temperature changes or direct flames.

Borosil Sintered Crucibles are especially suitable for drying to constant weight. Dry Sintered Crucibles at room temperature, can be placed directly into a drying oven. Sintered Ware may safely be heated in a furnace to 500°C without any adverse effects, while ensuring that the cycle of heating and cooling is gradual. It is recommended that the rate of heating does not exceed 20°C/min. This prevents internal strains caused by excessive temperature differences between the surrounding glass vessel and the Sintered Disc that, in turn, can lead to fracture of the apparatus.

When cold and damp, Sintered Ware of porosity grades 4 and 5 should never be subjected to a sudden temperature change as the evolution of steam may generate pressure within the filter, sufficient to crack it.

Filtration Apparatus should be kept on its rim (stem upwards) in an oven or steriliser. A perforated support base is advantageous for air convection in case of pipeline filters. By using heat insulating material such as asbestos, care should be taken to avoid premature heating near the filter seal. The apparatus should remain in the oven or steriliser during cooling, to prevent excessively fast cooling.

Cleaning Of Sintered Ware

New Sintered Filters should be washed carefully with hot hydrochloric acid, and then rinsed with distilled water before use. Such treatment ensures that all loose particles are removed from the Filter.

It is advisable to clean all Sintered Filters thoroughly, immediately after use, as cleaning is easiest at this time, and it also reduces the risk of contamination in the next use.

Many precipitates can be removed from the filter by back-flushing with water. However, great care must be taken with large diameters and fine filters, as positive pressures on the reverse side may break the filter.

Under no circumstances should Sintered Apparatus be subjected to mains water pressure when back-flushing, as in most instances this leads to fractured filters.

Drawing water through the filter from the reverse side, by means of a vacuum pump, is also effective.

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

Some precipitates that clog the filter may be removed by chemical cleaning, as indicated below:

- **Fats and grease**

Carbon tetrachloride or suitable organic solvent

- **Albumen glucose:**

Hot ammonia or hydrochloric acid, mixture of hot concentrated sulphuric and nitric acids

- **Organic substances :**

'Chromic' acid cleaning solution* or concentrated sulphuric acid containing a little potassium nitrate or perchlorate (0.5%) (may need to be soaked overnight)

- **Copper or iron oxide :**

Hot concentrated hydrochloric acid with potassium chlorate.

- **Barium sulphate :**

Hot concentrated sulphuric acid

- **Mercury Residues :**

Hot concentrate nitric acid

- **Mercury Sulphide :**

Hot aqua regia

- **Silver chloride :**

Ammonia or sodium hyposulphite

- **Stannic oxide :**

Boiling sulphuric acid**

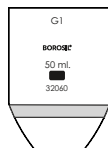
Alumina or silica residues :

2% hydrofluoric acid followed by concentrated sulphuric acid. Rinse immediately with distilled water and then with acetone. Continue rinsing until no trace of acid remains.

High concentrations of hydrofluoric acid, hot phosphoric acid or caustic alkali solutions should never be used for cleaning. Using these causes a rapid deterioration in the filter and an increase in pore size.

* For bacteriological, pharmaceutical and biological work, 'chromic' acid cleaning solution should be avoided in view of the biological effect of chromium ions.

** Boiling sulphuric acid may introduce undue thermal strain. It is therefore advisable to leave the item in the acid to cool.



32060 - CRUCIBLE

Gooch Type, Low Form, with Sintered Disc

- Made of 3.3 borosilicate glass
- Particularly adapted to analytical work where precipitates are dried to constant weight at 110°C
- Crucibles should not be subjected to sudden temperature changes
- In order to avoid strain, they should not be removed from the furnace until the temperature has dropped to 250°C
- Gooch Crucible is used for metal casting and analysis

Product Code	Capacity ml	Porosity Grade mm	Dia of Disc mm	Approx Height	Quantity Per Case	Price / Piece ₹
3206007	15	1	20	50	10	366.00
3206607	15	2	20	50	10	366.00
3206707	15	3	20	50	10	366.00
3206807	15	4	20	50	10	366.00
3206907	15	5	20	50	10	453.00
3206010	30	1	30	60	10	489.00
3206610	30	2	30	60	10	489.00
3206710	30	3	30	60	10	489.00
3206810	30	4	30	60	10	489.00
3206910	30	5	30	60	10	603.00
3206012	50	1	40	65	10	561.00
3206612	50	2	40	65	10	561.00
3206712	50	3	40	65	10	561.00
3206812	50	4	40	65	10	561.00
3206912	50	5	40	65	10	706.00



32061 - TUBES

Filter, for Gooch Crucibles (Herarchi) Funnel

- Made of 3.3 borosilicate glass
- Suitable for use with Borosil's Filtering Crucibles Gooch type with Sintered Disc

Product Code	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
3206127	27 x 150	5	160.00
3206136	36 x 160	5	227.00
3206156	56 x 170	10	340.00

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.

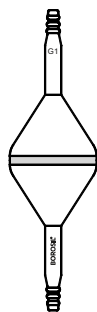
36060 - FUNNELS

Buchner Type, with Sintered Disc

- Made of 3.3 borosilicate glass
- Especially useful where the filter paper may be attacked by filtered material
- Generally used in qualitative inorganic analysis and preparative chemistry
- Resistant to corrosion and heat



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	510.00
3606658	35	2	30	130	8	5	510.00
3606758	35	3	30	130	8	5	510.00
3606858	35	4	30	130	8	5	510.00
3606958	35	5	30	130	8	5	608.00
3606072	80	1	35	142	8	5	989.00
3606672	80	2	35	142	8	5	989.00
3606772	80	3	35	142	8	5	989.00
3606872	80	4	35	142	8	5	989.00
3606972	80	5	35	142	8	5	1200.00
3606020	200	1	68	215	13	5	1545.00
3606620	200	2	68	215	13	5	1545.00
3606720	200	3	68	215	13	5	1545.00
3606820	200	4	68	215	13	5	1545.00
3606920	200	5	68	215	13	5	1792.00
3606024	500	1	92	258	17	2	3626.00
3606624	500	2	92	258	17	2	3626.00
3606724	500	3	92	258	17	2	3626.00
3606824	500	4	92	258	17	2	3626.00
3606924	500	5	92	258	17	2	4748.00
3606029	1000	1	124	276	19	2	7019.00
3606629	1000	2	124	276	19	2	7019.00
3606729	1000	3	124	276	19	2	7019.00
3606829	1000	4	124	276	19	2	7019.00
3606929	1000	5	124	276	19	2	8971.00



39580 - TUBES

Sealed, With Reduced Ends,
With Sintered Disc, (Pipeline Filters)

- Made of 3.3 borosilicate glass
- Generally used in inline filtration of gas lines to remove solid impurities

Product Code	Capacity ml	Porosity Grade	Dia of Disc mm	Approx Height mm	Stem Dia mm	Quantity Per Case	Price / Piece ₹
3958010	30	1	30	125	9	5	577.00
3958610	30	2	30	125	9	5	577.00
3958710	30	3	30	125	9	5	577.00
3958810	30	4	30	125	9	5	577.00
3958910	30	5	30	125	9	5	700.00
3958014	65	1	65	210	13	5	2086.00
3958614	65	2	65	210	13	5	2086.00
3958714	65	3	65	210	13	5	2086.00
3958814	65	4	65	210	13	5	2086.00
3958914	65	5	65	210	13	5	2678.00
3958015	90	1	90	320	17	5	4208.00
3958615	90	2	90	320	17	5	4208.00
3958715	90	3	90	320	17	5	4208.00
3958815	90	4	90	320	17	5	4208.00
3958915	90	5	90	320	17	5	5423.00

Borosil Fused Silica 99.95% SiO₂ surpasses all of the desirable chemical and weathering durability properties usually associated with opaque Silica ware. We manufacture as per IS and BS Standards.

- There is little or no visible surface change or damage to silica with prolonged exposure to water, atmospheric gases, contaminants, oxide of nitrogen and ozone.
- Attack does occur, on exposure to alkaline solution and acids at very high temperatures.
- Low expansion and hence excellent dimensional stability and thermal shock resistance.

Resistant to chemical attack

Virtually unaffected by sulphuric, nitric and hydrochloric acids. Hot alkalies and certain metal oxides react on silica. It is attacked by hydrofluoric acid. At high temperatures, it is also attacked by phosphoric acid.

Continuous use of fused silica above 1000°C leads to devitrification with formation of cristobalite which is a crystalline phase and will lead to breakage on repeated use. For accurate and long use, it is advisable to wash the articles in distilled water and alcohol to remove trace impurities.

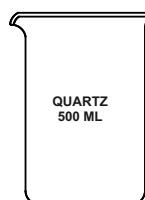
Heating fused quartz to elevated temperatures causes SiO₂ to undergo dissociation. Consequently, when flame-working fused quartz, there is a brand of haze or smoke which forms just outside the intensely heated region. This haze presumably forms because the SiO₂ recombines with oxygen from the air (and perhaps water) and condenses as extremely small particles of amorphous SiO₂.

Co-efficient of expansion 0°C to 800°C	5.5 X 10 ⁻⁷ cm / cm / °C
Softening Point	1685°C
Annealing Point	1200°C
Strain Point	1120°C
Operating Temp	1050°C
Electrical resistivity (at 350°C)	7 x 10 ⁷ ohm cm

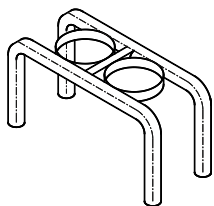
1002 - BEAKERS

Low Form, With Spout

- Beaker with Spout for Clean Pouring
- Dimensional accuracy
- Tough construction
- Durability



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
1002009	25	35 x 45	5	1217.00
1002012	50	40 x 58	5	1799.00
1002016	100	50 x 75	5	2766.00
1002018	150	55 x 88	5	3578.00
1002021	250	70 x 95	1	5351.00
1002024	500	85 x 115	1	10249.00
1002029	1000	105 x 145	1	17826.00



3175 - MUFFLE TRAYS

- Perfect finish
- Sturdiness
- Durability
- Holes: 2/4

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
3175041	2 Holes	39	1	1607.00
3175042	4 Holes	76	1	3146.00



3185 - DISHES / BASINS

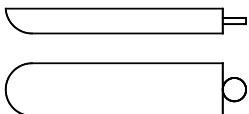
Round with Spout

- Perfect finish
- Accurate dimensions
- Longer life span

Product Code	Approx O.D. x Height mm	Nominal Capacity ml	Quantity Per Case	Price / Piece ₹
3185008	55 x 23	20	10	1056.00
3185042	75 x 27	45	5	2985.00
3185044	85 x 35	70	5	3728.00
3185045	95 x 36	85	1	6172.00
3185016	100 x 38	100	1	7431.00
3185046	115 x 47	200	1	11294.00

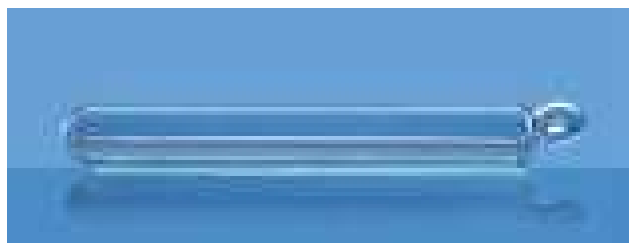
3186 - COMBUSTION BOATS WITH HANDLE

- Light in weight
- Longer life span
- Accurate dimensions
- Sturdiness



Product Code	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
3186Q01	12 x 77	1	993.00

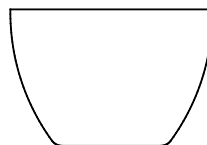
Prices for other sizes on request



3190 - CRUCIBLES

Without Lid

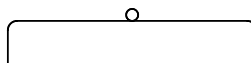
- Accurate dimensions
- Longer life span
- Fine finish
- Sturdiness



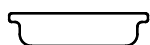
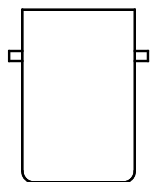
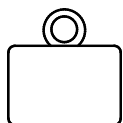
Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
3190007	15	40 x 26	10	582.00
3190009	25	47 x 30	10	842.00
3190012	50	57 x 35	10	1347.00
3190015	80	69 x 45	10	2168.00
3190018	150	80 x 54	5	3983.00

3191 - LIDS FOR CRUCIBLES

- Accurate dimension
- Longer life span
- Fine finish
- Sturdiness



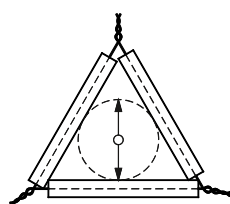
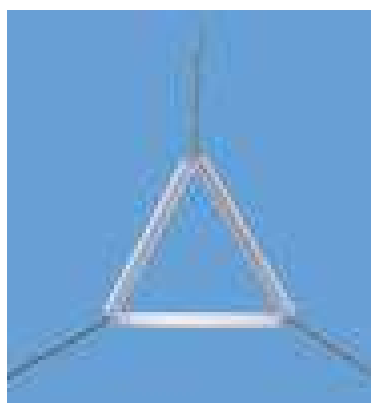
Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3191007	15	10	572.00
3191009	25	10	811.00
3191012	50	10	1269.00
3191015	80	10	2101.00



VOLATILE MATTER CRUCIBLES

- Dimensional accuracy
- Tough construction
- Durability
- Comes with Lid and Plunger

Product Code	Catalogue No.	Item	Dimension mm	Quantity Per Case	Price/Piece ₹
3195041	3195	Crucible	25 x 38	5	1628.00
3196041	3196	Plunger	12.5	5	530.00
3197041	3197	Lid		5	478.00



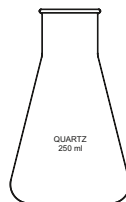
3198 - SILICA TRIANGLES on Nichrome (Translucent)

- Longer life span
- Sturdiness
- Seamless finish

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
3198007	15	10	208.00
3198009	25	10	281.00
3198012	50	10	530.00
3198015	80	5	764.00

4984 - QUARTZ CONICAL FLASK

- Suitable for digestion of samples with concentrated acid (except HF)
- Ideal for estimation of boron in soil
- Withstand sudden heating & cooling



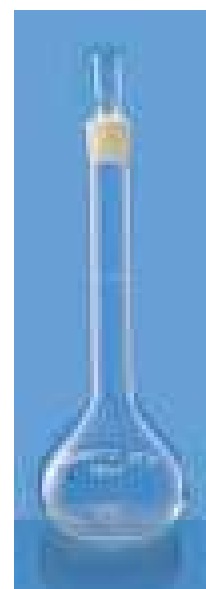
Product Code	External Dimension		Capacity ml	Price / Piece ₹
	O.D. mm	Height mm		
4984016	64	105	100	5600.00
4984018	72	124	150	6890.00
4984021	85	140	250	8720.00

5644 - FLASKS VOLUMETRIC

Quartz

- Dimensional accuracy
- Sturdiness
- Durability
- Perfect finish

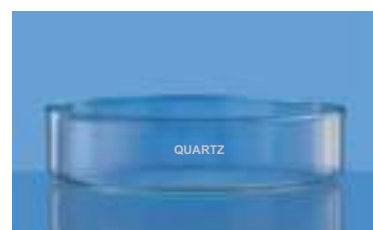
Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
5644005	5	1	4696.00
5644006	10	1	2694.00
5644009	25	1	3188.00
5644012	50	1	3822.00
5644016	100	1	4935.00
5644021	250	1	7150.00
5644024	500	1	9526.00
5644029	1000	1	19027.00



8600 - QUARTZ CIRCULAR

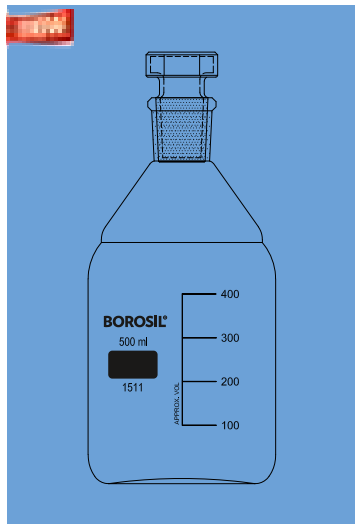
Capsule for Coal Analysis

- Suitable for analysis of ash content in Coal analysis
- Withstand sudden heating & cooling



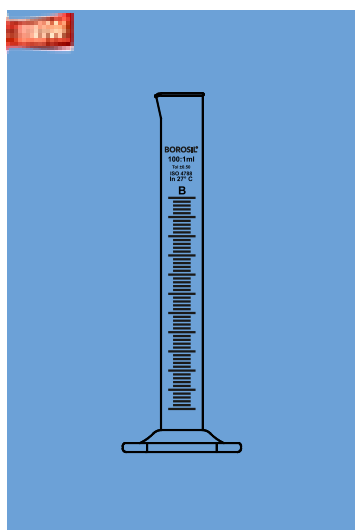
Product Code	External Dimension		Price / Piece ₹
	Height mm	Diameter mm	
8600Q01	14	48	1347.00
8600Q02	15	54	1534.00

*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 fairly 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.



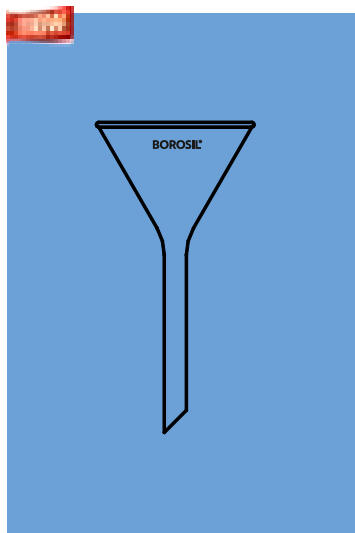
Bottle, Reagent, with hollow stopper, Quartz

Product Code	Capacity mm	Quantity Per Case	Price / Piece ₹
Bt151511024	500	1	15500.00



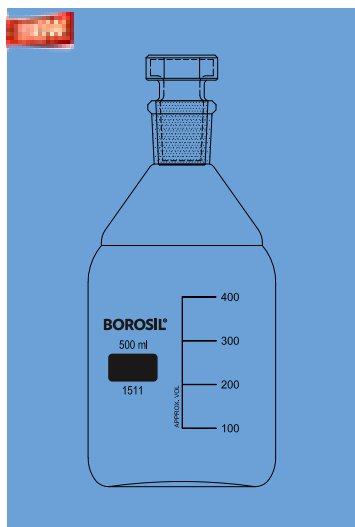
Measuring Cylinder W/Spout, Class B, Quartz

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
BT533028005	5	1	6250.00
BT533028006	10	1	7000.00
BT5330280092	5	1	9500.00
BT533028012	50	1	14500.00
BT533028016	100	1	19500.00
BT5330280212	50	1	28000.00
BT533028024	500	1	38500.00



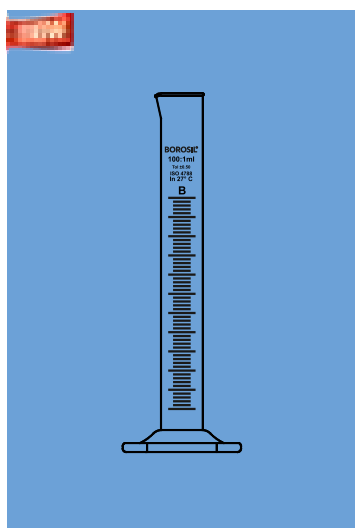
Funnel, Quartz - 75mm

Product Code	Capacity mm	Quantity Per Case	Price / Piece ₹
BT536141071	75	1	14625.00



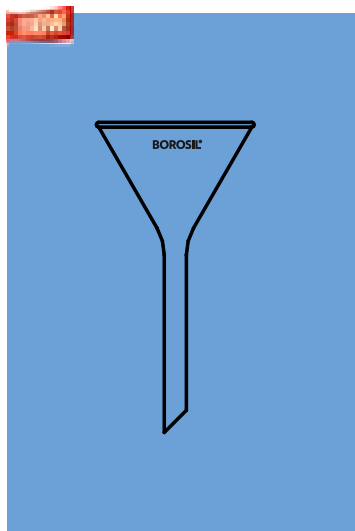
Bottle, Reagent, with hollow stopper, Quartz

Product Code	Capacity mm	Quantity Per Case	Price / Piece ₹
Bt151511024	500	1	15500.00



Measuring Cylinder W/Spout, Class B, Quartz

Product Code	Capacity ml	Quantity Per Case	Price / Piece ₹
BT533028005	5	1	6250.00
BT533028006	10	1	7000.00
BT5330280092	5	1	9500.00
BT533028012	50	1	14500.00
BT533028016	100	1	19500.00
BT5330280212	50	1	28000.00
BT533028024	500	1	38500.00

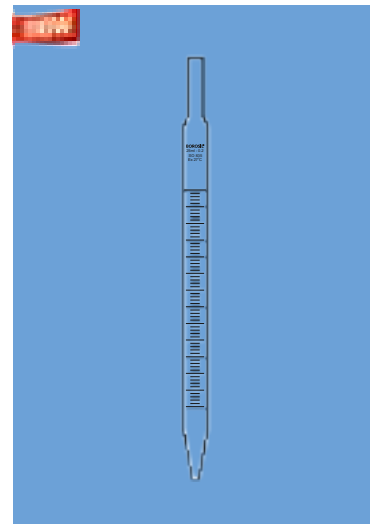


Funnel, Quartz - 75mm

Product Code	Capacity mm	Quantity Per Case	Price / Piece ₹
BT536141071	75	1	14625.00

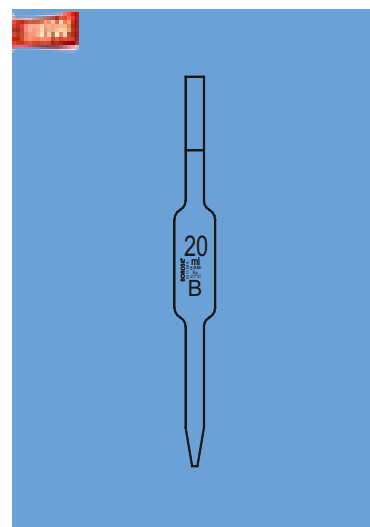
Pipette , Measuring, Mohr type, Quartz

Product Code	Capaciy ml	Quantity Per Case	Price / Piece ₹
BT537064P41	1 x 0.01	1	8100.00
BT537064P22	2 x 0.1	1	5500.00
BT537064P55	5 x 0.1	1	7100.00
BT537064P06	10 x 0.1	1	8500.00



Pipette, Transfer, Volumetric, Class B, Quartz

Product Code	Capaciy ml	Quantity Per Case	Price / Piece ₹
BT517104001	1	1	6210.00
BT517104002	2	1	6210.00
BT517104003	3	1	8050.00
BT517104004	4	1	8050.00
BT517104005	5	1	7920.00
BT517104706	6	1	8910.00
BT517104006	10	1	10890.00





9 mm - 2ml Screw Neck Vials

Product Code	Component	Volume	Mouth Dia	Vial Material	Vial Colour	Neck
VO02C00900S000	VIAL	2 ml	9 mm	USP TYPE I	CLEAR	SCREW
VO02C10900S000	VIAL	2 ml	9 mm	USP TYPE I	CLEAR	SCREW
VO02A00900S000	VIAL	2 ml	9 mm	USP TYPE I	AMBER	SCREW
VO02A10900S000	VIAL	2 ml	9 mm	USP TYPE I	AMBER	SCREW

Caps for 9 mm - 2 ml Screw Neck Vials

Product Code	Component	Colour	Cap Dia	Cap MOC	Cap Type	Top
CS000009PBS124	Cap	Blue	9 mm	PP	Screw	Open
CS000009PBS114	Cap	Blue	9 mm	PP	Screw	Open
CS000009PBS111	Cap	Blue	9 mm	PP	Screw	Open
CS000009PBS113	Cap	Blue	9 mm	PP	Screw	Open
CS000009PBSUM1	Cap	Blue	9 mm	PP	Screw	Open
CS000009PBSUM2	Cap	Blue	9 mm	PP	Screw	Open

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 vials come in,

Everyday

Cost effective vials for routine analysis

Certified

Certified vials for stress free lab analysis

MS Certified

Vials with ultra low residual loads for trace analysis

9 mm - 2ml Screw Neck Vials

Write on Patch	Vial Dia	Vial Height	Vial Profile	Vial / pk	Case Qty	MRP ₹
	12 mm	32 mm	Flat Bottom	100	10 x 100	11,000.00
YES	12 mm	32 mm	Flat Bottom	100	10 x 100	13,000.00
	12 mm	32 mm	Flat Bottom	100	10 x 100	14,500.00
YES	12 mm	32 mm	Flat Bottom	100	10 x 100	17,700.00

Caps for 9 mm - 2 ml Screw Neck Vials

Septa Mount	Lining	Septa Mount	Feature	Caps / pk	Case Qty	MRP ₹
Silicone	PTFE	Bonded	Everyday	100	10 x 100	12,000.00
Silicone	PTFE	Bonded	Everyday Pre - Slit	100	10 x 100	12,000.00
Silicone	PTFE	Bonded	Certified	100	10 x 100	18,000.00
Silicone	PTFE	Bonded	Certified Pre - Slit	100	10 x 100	18,000.00
Silicone	PTFE	Bonded	MS Certified	100	10 x 100	25,000.00
Silicone	PTFE	Bonded	MS Certified Pre - Slit	100	10 x 100	25,000.00

Vials

9 mm Screw Neck - 2ml Vial & Cap Kits

Product Code	Component	Volume	Neck Dia	Vial Colour	Type	Top
VC02C009PBS124	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C009PBS114	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C009PBS111	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Closed
VC02C009PBS113	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C109PBS124	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C109PBS114	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C109PBS111	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C109PBS113	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C109PBSUM1	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Closed
VC02C109PBSUM2	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02A009PBS124	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02A009PBS114	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02A009PBS111	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02A009PBS113	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02A009PBS124	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02A109PBS114	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Closed
VC02A109PBS111	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02A109PBS113	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02A109PBSUM1	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02A109PBSUM2	Vial & Cap Kit	2ml	9mm	AMBER	Screw	Open
VC02C409PBS111	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C409PBS113	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C409PBSUM1	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open
VC02C409PBSUM2	Vial & Cap Kit	2ml	9mm	CLEAR	Screw	Open

11mm- 2ml Crimp Neck Vials

Product Code	Component	Volume	Neck Dia	Vial Colour	Type	Top
VO02C01100C000	VIAL	2ml	11mm	USP TYPE I	CLEAR	Crimp
VO02C11100C000	VIAL	2ml	11mm	USP TYPE I	CLEAR	Crimp
VO02A01100C000	VIAL	2ml	11mm	USP TYPE I	AMBER	Crimp
VO02A11100C000	VIAL	2ml	11mm	USP TYPE I	AMBER	Crimp

Vials

9 mm Screw Neck - 2ml Vial & Cap Kits

Septa MOC	Lining	Septa Mount	Feature	Sets / pk	Case Qty	MRP ₹
Silicone	PTFE	Bonded		100	10X 100	23,000.00
Silicone	PTFE	Bonded	Pre Slit	100	10X 100	23,000.00
Silicone	PTFE	Bonded		100	10X 100	29,000.00
Silicone	PTFE	Bonded	Pre Slit	100	10X 100	29,000.00
Silicone	PTFE	Bonded		100	10X 100	25,100.00
Silicone	PTFE	Bonded	Pre-Slit Write-On	100	10X 100	25,100.00
Silicone	PTFE	Bonded		100	10X 100	31,100.00
Silicone	PTFE	Bonded	Pre-Slit Write-On	100	10X 100	31,100.00
Silicone	PTFE	Bonded	Pre-Slit Write-On	100	10X 100	38,100.00
Silicone	PTFE	Bonded		100	10X 100	38,100.00
Silicone	PTFE	Bonded		100	10X 100	26,500.00
Silicone	PTFE	Bonded	Pre-Slit	100	10X 100	26,500.00
Silicone	PTFE	Bonded		100	10X 100	32,500.00
Silicone	PTFE	Bonded	Pre-Slit	100	10X 100	32,500.00
Silicone	PTFE	Bonded		100	10X10	29,700.00
Silicone	PTFE	Bonded	Pre-Slit Write-On	100	10X 100	29,700.00
Silicone	PTFE	Bonded	Write-On	100	10X 100	35,700.00
Silicone	PTFE	Bonded	Pre Slit Write- On	100	10X 100	35,700.00
Silicone	PTFE	Bonded	Pre-Slit Write-On	100	10X 100	42,700.00
Silicone	PTFE	Bonded	Write-On	100	10X 100	42,700.00
Silicone	PTFE	Bonded	3.3 Exp	100	10X 100	40,000.00
Silicone	PTFE	Bonded	3.3 Exp Pre-Slit	100	10X 100	40,000.00
Silicone	PTFE	Bonded	3.3 Exp Pre-Slit	100	10X 100	47,000.00
Silicone	PTFE	Bonded	3.3 Exp	100	10X 100	47,000.00

11mm- 2ml Crimp Neck Vials

Septa MOC	Lining	Septa Mount	Feature	Sets / pk	Case Qty	MRP ₹
No	12mm	32mm	Flat Bottom	100	10X 100	9,600.00
Yes	12mm	32mm	Flat Bottom	100	10X 100	10,400.00
No	12mm	32mm	Flat Bottom	100	10X 100	11,300.00
Yes	12mm	32mm	Flat Bottom	100	10X 100	13,900.00

Vials

Caps for 11mm -2ml Crimp Neck Vials

Product Code	Component	Colour	Cap Dia	Cap MOC	Cape Type	Top
CS000011ASC011	Caps	Silver	11mm	Aluminum	Crimp	Open
CS000011ASC012	Caps	Silver	11mm	Aluminum	Crimp	Open

11mm Crimp Neck - 2ml Vial and Cap Kits

Product Code	Component	Volume	Neck Dia	Vial Colour	Type	Top
VC02C011ASC011	Vial & Cap Kit	2ml	11mm	Clear	Crimp	Open
VC02C011ASC012	Vial & Cap Kit	2ml	11mm	Clear	Crimp	Open
VC02C111ASC011	Vial & Cap Kit	2ml	11mm	Clear	Crimp	Open
VC02C111ASC012	Vial & Cap Kit	2ml	11mm	Clear	Crimp	Open
VC02A011ASC011	Vial & Cap Kit	2ml	11mm	AMBER	Crimp	Open
VC02A011ASC012	Vial & Cap Kit	2ml	11mm	AMBER	Crimp	Open
VC02A111ASC011	Vial & Cap Kit	2ml	11mm	AMBER	Crimp	Open
VC02A111ASC012	Vial & Cap Kit	2ml	11mm	AMBER	Crimp	Open

20mm Headspace GC Vials

Product Code	Component	Vol	Mount Dia	Vial Material	Vial Colour	Neck
VO10F12000C000	VIAL	10ml	20mm	USP TYPE I	Clear	Crimp
VO10R12000C000	VIAL	10ml	20mm	USP TYPE I	Clear	Crimp
VO20F12000C000	VIAL	20ml	20mm	USP TYPE I	Clear	Crimp
VO20R12000C000	VIAL	20ml	20mm	USP TYPE I	Clear	Crimp
VO10F12000S000	VIAL	10ml	18mm	USP TYPE I	Clear	Screw
VO10R12000S000	VIAL	10ml	18mm	USP TYPE I	Clear	Screw
VO20F12000S000	VIAL	20ml	18mm	USP TYPE I	Clear	Screw
VO20R12000S000	VIAL	20ml	18mm	USP TYPE I	Clear	Screw

Caps for Headspace GC Vials

Product Code	Component	Color	Cap Dia	Cap MOC	Cap Type	Top
CS000020ASC041	CAP	Silver	20mm	Aluminium	Crimp	Open
CS000020MSC041	CAP	Silver	20mm	Magnetic	Crimp	Open
CS000020MSS061	CAP	Silver	18mm	Magnetic	Screw	Open

Caps for 11mm -2ml Crimp Neck Vials

Septa MOC	Lining	Septa Mount	Feature	Sets / pk	Case Qty	MRP ₹
Silicone	PTFE	Friction		100	10X 100	11,800.00
Silicone	PTFE	Friction	Pre-Slit	100	10X 100	13,400.00

11mm Crimp Neck - 2ml Vial and Cap Kits

Septa	Lining	Septa	Feature Profile	Sets / pk	Case Qty	MRP ₹
Silicone	PTFE	Friction		100	10 X 100	21,400.00
Silicone	PTFE	Friction	Pre-Slit	100	10 X 100	23,000.00
Silicone	PTFE	Friction		100	10 X 100	22,200.00
Silicone	PTFE	Friction	Pre-Slit	100	10 X 100	23,800.00
Silicone	PTFE	Friction		100	10 X 100	21,970.00
Silicone	PTFE	Friction	Pre-Slit	100	10 X 100	23,530.00
Silicone	PTFE	Friction		100	10 X 100	24,420.00
Silicone	PTFE	Friction	Pre-Slit	100	10 X 100	25,980.00

20mm Headspace GC Vials

Write On	Vial Dia	Vial Height	Vial Profile	Vial / pk	Case Qty	MRP ₹
Yes	22mm	45mm	Flat Bottom	100	5 X 100	10,300.00
Yes	22mm	45mm	Round Bottom	100	5 X 100	10,500.00
Yes	22mm	75mm	Flat Bottom	100	5 X 100	14,900.00
Yes	22mm	75mm	Round Bottom	100	5 X 100	14,900.00
Yes	22mm	45mm	Flat Bottom	100	5 X 100	12,600.00
Yes	22mm	45mm	Round Bottom	100	5 X 100	13,550.00
Yes	22mm	75mm	Flat Bottom	100	5 X 100	20,150.00
Yes	22mm	75mm	Round Bottom	100	5 X 100	22,200.00

Caps for Headspace GC Vials

Septa MOC	Lining	Septa mount	Feature	Caps/ pk	Case Qty	MRP
Silicone	PTFE	Friction	Ultra Clean	100	5 X 100	17,450.00
Silicone	PTFE	Friction	Ultra Clean	100	5 X 100	19,350.00
Silicone	PTFE	Friction	Ultra Clean	100	5 X 100	34,150.00

Headspace Vial and Cap Kits

Product Code	Component	Volume	Neck Dia	Vial Colour	Type	Top
VC20F120ASC041	Vial & Cap Kit	20ml	20mm	Clear	Crimp	Open
VC20F120MSC041	Vial & Cap Kit	20ml	20mm	Clear	Crimp	Open
VC20R120ASC041	Vial & Cap Kit	20ml	20mm	Clear	Crimp	Open
VC20R120MSC041	Vial & Cap Kit	20ml	20mm	Clear	Crimp	Open
VC10R120ASC041	Vial & Cap Kit	10ml	20mm	Clear	Crimp	Open
VC10R120MSC041	Vial & Cap Kit	10ml	20mm	Clear	Crimp	Open
VC10F120ASC041	Vial & Cap Kit	10ml	20mm	Clear	Crimp	Open
VC10F120MSC041	Vial & Cap Kit	10ml	20mm	Clear	Crimp	Open
VC10F120MSS061	Vial & Cap Kit	10ml	18mm	Clear	Screw	Open
VC20F120MSS061	Vial & Cap Kit	20ml	18mm	Clear	Screw	Open
VC10R120MSS061	Vial & Cap Kit	10ml	18mm	Clear	Screw	Open
VC20R120MSS061	Vial & Cap Kit	20ml	18mm	Clear	Screw	Open

EPA/ TOC Pre-Assembled Vial and Cap Kits

Product Code	Component	Volume	Neck Dia	Vial Colour	Type	Top
VC20C124PWS111	Vial & Cap Kit	20ml	24mm	Clear	Screw	Open
VC30C124PWS111	Vial & Cap Kit	30ml	24mm	Clear	Screw	Open
VC40C124PWS111	Vial & Cap Kit	40ml	24mm	Clear	Screw	Open
VC60C124PWS111	Vial & Cap Kit	60ml	24mm	Clear	Screw	Open
VC20A124PWS111	Vial & Cap Kit	20ml	24mm	AMBER	Screw	Open
VC30A124PWS111	Vial & Cap Kit	30ml	24mm	AMBER	Screw	Open
VC40A124PWS111	Vial & Cap Kit	40ml	24mm	AMBER	Screw	Open
VC60A124PWS111	Vial & Cap Kit	60ml	24mm	AMBER	Screw	Open
VC40C124POS111	Vial & Cap Kit	40ml	24mm	Clear	Screw	Cover

Headspace Vial and Cap Kits

Septa	Lining	Septa	Feature Profile	Sets / pk	Case Qty	MRP ₹
Silicone	PTFE	Friction	Flat Bottom - Ultra Clean	100	5 X 100	32,350.00
Silicone	PTFE	Friction	Flat Bottom - Magnetic	100	5 X 100	34,250.00
Silicone	PTFE	Friction	Round Bottom - Ultra Clean	100	5 X 100	32,350.00
Silicone	PTFE	Friction	Round Bottom - Magnetic	100	5 X 100	34,250.00
Silicone	PTFE	Friction	Round Bottom - Ultra Clean	100	5 X 100	27,950.00
Silicone	PTFE	Friction	Round Bottom - Magnetic	100	5 X 100	29,850.00
Silicone	PTFE	Friction	Flat Bottom - Ultra Clean	100	5 X 100	27,750.00
Silicone	PTFE	Friction	Flat Bottom - Magnetic	100	5 X 100	29,650.00
Silicone	PTFE	Friction	Flat Bottom - Magnetic	100	5 X 100	46,750.00
Silicone	PTFE	Friction	Flat Bottom - Magnetic	100	5 X 100	54,300.00
Silicone	PTFE	Friction	Round Bottom - Magnetic	100	5 X 100	47,700.00
Silicone	PTFE	Friction	Round Bottom - Magnetic	100	5 X 100	56,350.00

EPA/ TOC Pre-Assembled Vial and Cap Kits

Septa	Lining	Septa	Feature Profile	Sets / pk	Case Qty	MRP ₹
Silicone	PTFE	Bonded	Pre Assembled	72	1 X 72	8,500.00
Silicone	PTFE	Bonded	Pre Assembled	72	1 X 72	9,100.00
Silicone	PTFE	Bonded	Pre Assembled	72	1 X 72	10,550.00
Silicone	PTFE	Bonded	Pre Assembled	72	1 X 72	13,500.00
Silicone	PTFE	Bonded	Pre Assembled	72	1 X 72	8,650.00
Silicone	PTFE	Bonded	Pre Assembled	72	1 X 72	9,400.00
Silicone	PTFE	Bonded	Pre Assembled	72	1 X 72	11,000.00
Silicone	PTFE	Bonded	Pre Assembled	72	1 X 72	14,250.00
Silicone	PTFE	Bonded	Pre Assembled & top cover	72	1 X 72	13,050.00

Microscope Slides & Cover Glasses

Conforms to ISO 8037 standard

- Fine ground edges slide are manufactured by state-of-art manufacturing process which results in a high quality and polished ground edges.
- Refractive index of 1.53 ± 0.02
- From extremely uniform, thin and flat glass sheets which are very resistant to corrosion and fogging.
- The slide is used for routine microscopy application.



9100 - MICROSCOPE SLIDES

- Made from the finest white glass
- Uniform quality
- High- Precision ground edges on all four sides
- Thin, Flat and resistant to corrosion or fogging
- Pre-cleaned and ready to use
- Subjected to strict quality control checks, examined individually and environmentally controlled dry before packaging
- Specially designed for meeting the stringent needs of users
- Free from all visual defects

9100P02 - PLAIN



9100D01 - DOUBLE FROSTED



Product Code	Description	Pack Size 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	120.00
9100D01	Double Frosted, Ground Edges	76 X 26 X 1	50	25	140.00

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



9115 - COVER GLASS

- Made from the finest white glass with excellent quality
- Uniform quality
- Available in both square and rectangular shape
- Cover glass is cut, cleaned, sorted and weighed
- Resistance to corrosion and fogging
- Free from ragged edges, oily film and finger prints
- Packed in reclosable plastic boxes for protection during storage
- Pre cleaned and ready to use
- Subjected to strict quality control checks, examined individually and environmentally controlled to dry before packaging

9115S01 - SQUARE



9115S02 - SQUARE



9115S03 - SQUARE



Product Code	Description	Pack Size mm	Quantity Per Packet / Piece	Packets / Case	Price / Packet ₹
9115S01	Square	18 x 18	100	50	94.00
9115S02	Square	22 x 22	100	50	94.00
9115S03	Square	24 x 24	100	50	99.00

9115R01 - RECTANGULAR



9115R02 - RECTANGULAR



9115R03 - RECTANGULAR



	Description	Pack Size mm	Quantity Per Packet / Piece	Packets / Case	Price / Packet ₹
9115R01	Rectangular	22 x 40	100	50	99.00
9115R02	Rectangular	22 x 50	100	50	104.00
9115R03	Rectangular	22 x 60	100	50	109.00

BOROSIL®

Lab Accessories

Tongs



Clamp with PVC Coated Prong



Clamp



Clamp with Bosshead



Burette Clamp



Boss Head



Retort Ring & Test Tube Holder



Retort Base



Rod For Retort Base



Z Shape Test Tube Stand



Burner



Spatula



BOROSIL®

Lab Accessories

TONGS FOR BEAKERS & FLASKS

- Made of stainless steel
- Used to handle hot beakers & flasks
- Provided with silicon sleeves or in fibre glass yarn to resist direct flame



Product Code	Description	Size Inches	Case Lot No.	Price / Piece ₹
LATG8888P10	Beaker tong	10	6	324.00
LATG8888B10	Beaker tong	12	6	427.00
LATG8888F10	Flask tong	10	6	407.00
LATG8888F12	Flaks tong	12	6	510.00



TONGS FOR CRUCIBLE

- Made of Stainless Steel
- Used to handle hot crucibles

Product Code	Description	Size inches	Case Lot No.	Price / Piece ₹
LACT8888006	Crucible tong with bow stainless steel	6	6	165.00
LACT8888008	Crucible tong with bow stainless steel	8	6	206.00
LACT8888010	Tong crucible, SS,	10	6	280.00
LACT8888012	Crucible tong with bow stainless steel	12	6	376.00



CLAMPS

- Available in Zinc & Aluminium diecasted
- It is coated with LEAD-FREE powder coating & fitted with brass screw which makes it totally RUST-FREE CLAMP
- Two & three finger clamp Jaws can be covered with PVC sleeves
- Two & four finger clamp has cork lined Jaws holds upto 90 mm articles
- It is provided with 8 mm diameter & 150 mm long Stainless Steel(Grade 201)rod

Product	Description	Case Lot No.	Price / Piece ₹
LAFC8888Z02	Two finger clamp, Zinc pressure die casted	10	324.00
LAFC8888AD3	Three finger clamp, Aluminum pressure die casted	10	376.00
LAFC8888ZD4	Four finger clamp, Zinc pressure die casted	10	324.00
LAFC8888AD4	Four finger clamp Aluminum pressure die casted	10	345.00

CLAMPS WITH BOSSHEAD

- Available in Zinc & Aluminium diecasted
- It is coated with LEAD-FREE powder coating & fitted with brass screw which makes it totally RUST-FREE CLAMP
- Two & three finger clamp Jaws can be covered with PVC sleeves
- Two & four finger clamp has cork lined Jaws holds upto 90 mm articles
- With adjustable bosshead attached clamp length can be vary, can be rotated 360° and locked at any angle

Product Code	Description	Case Lot No.	Price / Piece ₹
LAFC8888Z03	Two finger clamp (Zinc PDC) with adjustable bosshead	12	587.00
LAFC8888A03	Three finger clamp (Aluminium PDC) with adjustable bosshead	12	587.00
LAFC8888Z04	Four finger clamp (Zinc PDC) with adjustable bosshead	12	644.00
LAFC8888A04	Four finger clamp (Aluminium PDC) with adjustable bosshead	12	670.00



UNIVERSAL CLAMPS

- Single Burette / Test Tube Clamp made of stainless steel Jaws & Aluminium bosshead
- Round jaws are covered with PVC coating
- Opens from 15 mm to 45 mm in Diameter
- Clamps attaches to rods up to 13 mm in diameter. Threaded rod and wing nut adjust clamp angle and overall length from 13 cm to 15 cm

Product Code	Description	Case Lot No.	Price / Piece ₹
LABC8888SC1	Single Burette clamp, PVC coated jaws stainless steel	12	427.00
LABC8888S01	Single Burette clamp, PVC uncoated jaws, stainless steel	12	376.00



BURETTE CLAMPS

- Single / Double Burette clamp is made of Aluminum die casting
- Feature black PVC sleeves for firm gripping of burettes.
- This adjustable burette clamp is suitable for all burettes up to 100 ml which are held in place by the pressure created by the springs yet allows easy operation without damaging glassware.

Product Code	Description	Case Lot No.	Price / Piece ₹
LABC8888B01	Single burette clamp, Aluminium PDC Fig. A	6	644.00
LABC8888A02	Double burette clamp, Aluminium PDC Fig. B	6	644.00
LABC8888AE1	Single burette clamp, Aluminium PDC (Eco.) Fig. C	6	324.00
LABC8888AE2	Double burette clamp, Aluminium PDC (Eco.) Fig. D	6	427.00

A



B

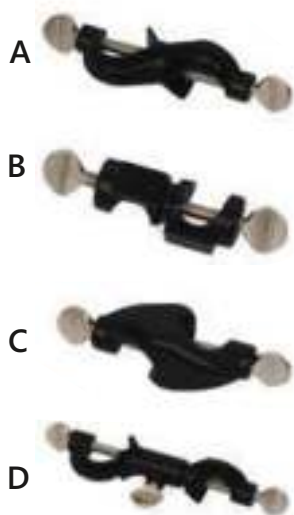


C



D





BOSSHEADS

- Bosshead made of Zinc & Aluminum pressure die casted
- It can hold a rod upto 16 mm diameter at 90° angle and Swivel bosshead rotate at 360° angle
- It is coated with LEAD-FREE powder coating & fitted with Nickel plated thumb screw

Product Code	Description	Case Lot No.	Price / Piece ₹
LABH8888RBL	Regular bosshead Zinc PDC Fig. A	12	165.00
LABH8888OBL	Round bosshead Zinc PDC Fig. B	12	206.00
LABH8888JBL	Jumbo bosshead Aluminum PDC Fig C	12	427.00
LABH8888SBL	Swivel bosshead Zinc PDC Fig. D	12	288.00

RETORT RING

- Strong circular mild steel ring with 6 mm diameter stem
- Open bosshead fitted with thumb screw to accept rods from 8 mm to 15 mm diameter

Product Code	Description	Size in inches	Case Lot No.	Price / Piece ₹
LARR8888003	Retort Ring with bosshead	3	6	268.00
LARR8888004	Retort Ring with bosshead	4	6	335.00

RETORT BASE

- Superior Heavy duty steel alloy stand with rubber lining on a shorter side gives extra stability
- With lead-free powder coating

Product Code	Description	Size inches	Case Lot No.	Price / Piece ₹
LARB8888H06	Retort base, Heavy	6" x 4"	6	587.00
LARB8888H08	Retort base, Heavy	8" x 5"	6	695.00
LARB8888H10	Retort base, Heavy	10" x 6"	6	1174.00

ROD FOR RETORT BASE

- With stainless steel Grade 201

Product Code	Description	Approx O.D. x Height mm	Case Lot No.	Price / Piece ₹
LARS8888500	Retort Rod (SS Grade 201)	12 x 500	2	407.00
LARS8888600	Retort Rod (SS Grade 201)	12 x 600	2	494.00
LARS8888750	Retort Rod (SS Grade 201)	12 x 750	2	567.00



TEST TUBE STAND

- It is made of Aluminum sheet, Z type, new design, single piece fabrication
- One row of holes of 30 mm diameter, the second row of holes of 25 mm diameter and third row of hole of 16 mm diameter
- This aluminium Z shape design is Coated with lead free powder coating make it corrosion resistant

Product Code	Description	Case Lot No.	Price / Piece ₹
LATS8888H19	Z' Shape Test Tube Stand, Aluminum, 19 hole assorted	6	427.00
LATS8888H25	'Z' Shape Test tube stand, 25 hole for 16mm tube	6	427.00



TEST TUBE HOLDER

- A pair of spring strip of hard rolled stainless steel, mounted in wooden handle in cross-scissor shape, and accepts tubes of diameter 12-43 mm.
- Overall length about 225mm

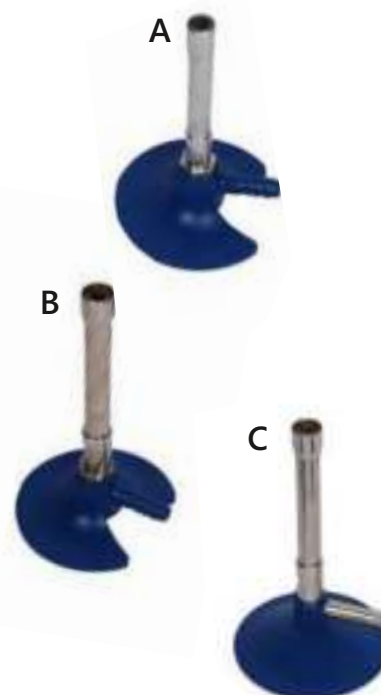
Product Code	Description	Case Lot No.	Price / Piece ₹
LATH8888000	Test tube holder, cross pattern, Stainless steel	24	185.00



BURNERS

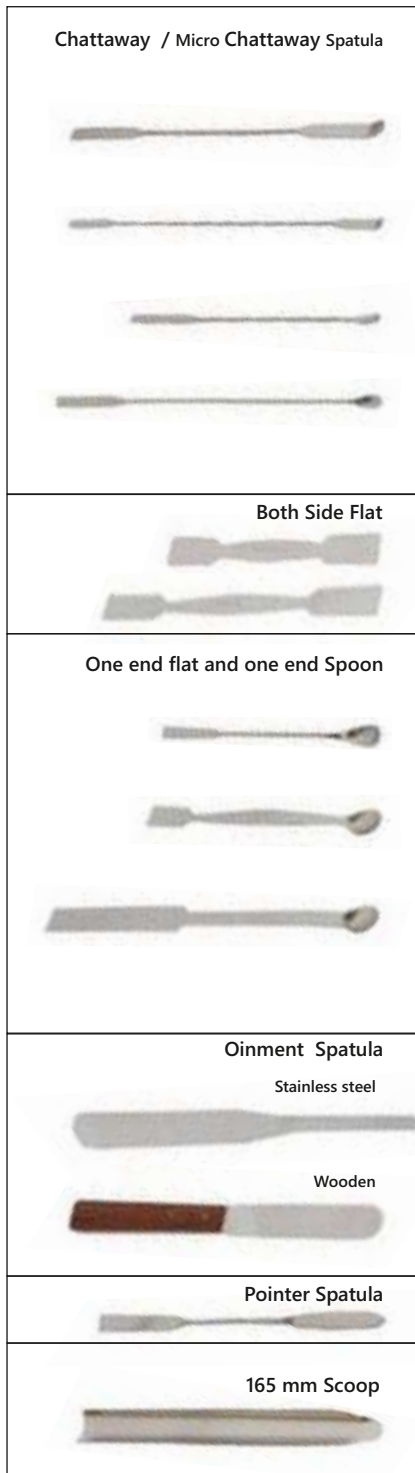
- Bunsen Burner 13mm/11mm ideal for use with natural gas and L.P.G.
- Nickel-plated brass burner tube with Rotatable air regulator
- Enamelled Zinc pressure die casted base
- Base diameter 80 mm

Product Code	Description	Caselot No.	Price / Piece ₹
LABR8888Z11	Bunsen burner, Zinc PDC base with 11mm brass pipe for L.P. G. Fig. A	2	803.00
LABR8888Z13	Bunsen burner, Zinc PDC base with 13mm brass pipe for L.P. G. Fig. B	2	803.00
LABR8888013	Burner, sheet metal base with 13mm pipe, for L.P. G. Fig. C	2	644.00



SPATULAS

- Made of stainless steel grade 202
- Spatulas are used for measuring solids moving objects and scraping material out of
- beakers



Product Code	Description	Size in inches	Case Lot No.	Price / Piece ₹
LACS8888006	Chattaway Spatula	6	20	67.00
LACS8888008	Chattaway Spatula	8	20	77.00
LASL8888C08	Micro Chattaway Spatula	8	20	72.00
LASC8888M06	Micro Scoop	6	10	57.00
LASC8888SM6	Semi Micro Spatula	6	10	82.00
LASL8888075	Big Spoon Spatula	7.5	10	124.00
LASL8888009	Big Spoon Spatula	9	10	139.00
LASP8888B06	Both side flat	6	20	72.00
LASP8888B08	Both side flat	8	20	93.00
LASP8888004	One end flat and one end Spoon	4	50	52.00
LASP8888006	One end flat and one end Spoon	6	50	57.00
LASP8888008	One end flat and one end Spoon	8	50	82.00
LASP8888010	One end flat and one end Spoon	10	50	129.00
LASP8888012	One end flat and one end Spoon	12	50	149.00
LASO8888W04	Ointment Spatula	4	10	165.00
LASO8888W06	Ointment Spatula Wooden Handle	6	10	175.00
LATG8888S06	Ointment Spatula Forged Stainless Steel	6	10	350.00
LASL8888P06	Pointer Spatula	6	10	98.00
LASC8888165	165 mm Scoop	6.5	10	82.00
LASL8888510	Big Spoon Spatula	10	10	242.00

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

FORCEPS POINTED

Product Code	Description	Case Lot No.	Price / Piece ₹
LAPD8888004	Forceps, Pointed dissecting, 4"	10	100.00
LAPD8888005	Forceps, Pointed dissecting, 5"	10	130.00
LAPD8888006	Forceps, Pointed dissecting, 6"	10	160.00

FORCEPS PTFE POINTED

Product Code	Description	Case Lot No.	Price / Piece ₹
LAPE8888004	Forceps, <u>PTFE</u> , Pointed end, 4"	10	1400.00
LAPE8888006	Forceps, <u>PTFE</u> , Pointed end, 6"	10	1800.00

FORCEPS BLUNT DISSECTING

Product Code	Description	Case Lot No.	Price / Piece ₹
LABD8888005	Forceps, Blunt dissecting, 5"	10	140.00
LABD8888006	Forceps, Blunt dissecting, 6"	10	150.00
LABD8888008	Forceps, Blunt dissecting, 8"	10	210.00

FORCEPS PTFE BLUNT

Product Code	Description	Case Lot No.	Price / Piece ₹
LABE8888004	Forceps, <u>PTFE</u> , Blunt end, 4"	10	1400.00
LABE8888006	Forceps, <u>PTFE</u> , Blunt end, 6"	10	1800.00

WIRE GAUGE

Product Code	Description	Case Lot No.	Price / Piece ₹
LAWG8888C06	Wire Gauge with Ceramic center 5" x 5"	10	120.00
LAWG8888C05	Wire Gauge with Ceramic center 6" x 6"	10	95.00

TRIANGULAR TRIPOD

Product Code	Description	Case Lot No.	Price / Piece ₹
LATT8888200	Triangular Tripod, SS, 200 x 125 mm	2	560.00



LABQUEST BY BOROSIL®

Manufacturers of Laboratory Equipment



LabQuest by Borosil are products that meet Borosil's high standards of reliability, performance and value.

All products are backed by Borosil's robust service and after sale support.

SMART • RUGGED • PRACTICAL



KJELDAHL DIGESTION

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

- High grade stainless steel block for uniform heating
- Dripping tray that offers protection to digester body
- Easy convenient connection to Fume Scrubber
- Perfect fit of manifolds to the tube for optimum safety



Model Name	KBD200	KBD061	KIR060	KIR020
Type	Block Digester		Infrared Digester	
No. of positions	20	6	6	2
Tube capacity (ml)	250			
Temperature Controller	Yes			
Element Temperature	700°C			
Time Setting LCD Display	Yes			
Heating Chamber Unit	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Current Consumption	12A	6A	12A	4A
Dimensions (W x D x H)	(410 x 585 x 735) mm	(414 X 450 X 665)mm	(580 x 390 x 665)mm	(330 X 360 X 665)mm
Power Consumption	2800W	1300W	2400W	800W
HSN Code	84790000	84198990	84190000	84190000
Ordering Code	BLFAKBD20000000000	BLFAKBD06100000000	BLFAKIR06000000000	BLFAKIR02000000000
Prices / Piece	On request			

ACCESSORIES

Product Code	Description	Pack Size
BLAAFUTKBD06100000	KBD061 Fume Extractor	1
BLAAFUT100PTFE1651	Teflon fume cap	1
BLAAFUTKBD0610Y00A	KBD061 Y Connector	1
BLAAFUT20019220001	Block Digester Fume Extractor	1
BLAAFUTKBD2000T00A	KBD200 T- CONNECTOR	1
BLGATTQ01041250000	Quartz Test Tube 40OD 300H 50-7CLR	2
BLMATTB01041250000	Borosilicate Test Tube 40OD 300H 50-7CLR	5
BLAAFUT06019220001	KIR060 Fume Extractor	1
BLAAFUT02012080001	KIR020 Fume Extractor	1
BLA0VRT10D0014DBLK	Viton Rubber Tube -10 mm IDx14 mm OD	100 Mtr
BLFATHW06100000000	6 Position Cooling Station 2X3 for KBD061	1
BLFATHW20000000000	20 Position Cooling Station 5X4 for KBD200	1
BLFATHW06200000000	6 Position Cooling Station INLINE for KIR060	1
BLFATHW02000000000	2 Position Cooling Station INLINE KIR020	1

FUME SCRUBBER

A byproduct of digestion is the sulfur dioxide fumes that cause environmental pollution and probable health hazards if disposed of ineffectively. The need for a fume hood can be nullified by the fume scrubber system by Borosil.

Hazardous fumes are exhausted from the digester by a common exhaust manifold. The scrubber helps neutralizing toxic fumes by its 3 stage mechanism

- Stage 1 : Neutralization by distilled water
- Stage 2 : Neutralization by Alkali
- Stage 3 : Neutralization by carbon filter

Dynamic fume scrubber practically ensures complete removal of fumes and a safe working environment. Made from Teflon coated neoprene rubber and Teflon valve diaphragm enhances the life of the unit even after repeated fume attacks. Inbuilt sound damping foam to minimize noise during operation. Easy compatibility with all digesters



Model Name	KSC010
Current Consumption	1A
Pump delivery Rate	28 Ltr/Min
Dimensions (WxDxH)	445 x 375x 460 mm
Ordering Code	BLFAKSC01000000000
HSN Code	84141000
Prices / Piece	On request

ACCESSORIES

Product Code	Description	Pack Size
BLMAFUTV2KSCCD2932	Condenser V2	1
BLM0BGW25012200211	Carbon Bottole	1
On request	Submersible pump	1
On request	Water tank	1

KJELDAHL DISTILLATION

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

- Borosilicate glass assembly along with the SS steam generator
- Process kill switch to halt the process in case of accidental door opening
- Detachable bottom drip tray for extra protection against acid attack
- Single encoder push button to control all automatic functions
- Anytime alkali addition during the distillation cycle
- Tube sensor that enables safe operating conditions in event of tube damage
- Reagent refill level sensor to avert reagent dry out.



Feature/ Model	KDI010	KDI030	KDI040
Steam addition	Automatic	Automatic	Automatic
Distilled water addition	Manual	Automatic	Automatic
Alkali addition	Manual	Automatic	Automatic
Boric acid addition	Manual	Manual	Automatic
Input for 20 sample processing	Yes	NA	NA
LCD display	Yes		
Tube Capacity (ml)	250 ml		
Steam power (Adjustable)	25% to 100%		
Maximum distillation Time (mins)	20	20	20
Reagent level sensor	NA	Yes	Yes
Anytime alkali addition	Yes	Yes	Yes
Tube error detection	Yes	Yes	Yes
Door close sensor	Yes	Yes	Yes
Process resume from stop	Yes	Yes	Yes
User editable programs	NA	50	50
Upgradable to print readout	Yes	Yes	Yes
Current Consumption	5.5 A	6.5 A	6.5 A
Power consumption	1000 W	1000 W	1000 W
Dimension (L X B X H)	(380 x 350 x 725) mm	(650 x 350 x 725) mm	(650 x 350 x 725) mm
HSN Code	84790000		
Ordering Code	BLFAKDI01000000000	BLFAKDI03000000000	BLFAKDI04000000000

ACCESSORIES

Code	Description	Pack Size
BLA0TUB000PTFE1008	PTFE Tube - 10mm OD X 08mm ID	10 Mtr
BLA0CNT1030PWRC06A	Mains Power Cord 6Amp - 3 Mtrs	1
BLA0KNB010032D006D	Potentiometer Knob 32mm OD 6mm ID	1
BLA0DOH000KJDLDIST	Kjeldahl Distillation Dosing Head	1
BLM0CON110KJDLDIST	Condenser	1
BLA0DOF075COCKBARB	Kjeldahl DistIn Dosing Funnel-75ml	1
BLA0TTC000KJDLGL14	Threaded Tube Connector - GL14	1
BLM0DHH1100KDI00V4	Dosing Head Holder	1
BLA0TTC000KJDLGL18	Threaded Tube Connector - GL18	1
BLA0STT4D00006TRNP	Silicon Tube-4 mm IDx06 mmOD	50 Mtr
BLA0JCNPP00000005L	PP Jerry Can	1
BLA0FS000210550KDI	KDI030/040 Rqnt Bottle Float Sensor	1
On Request	Removal Bottom Tray	1
On Request	Heat Resistant Gloves	1
On Request	Water Toner	1



Block Digester



Fume Scrubber



Cooling Station



Distillation

WATER BATHS

- Seamless stainless steel pan
- In built water level sensor
- Non corrosive Rings
- Two point calibration



STILL WATER BATH

Model	WBC010	WBC020	WBC050	WBC012
Nominal capacity	1 L	2 L	5 L	12 L
Working Temperature range	Ambient +5°C to 99°C			
Temperature stability	±0.2°C			
Interior dimensions (W x D x H)	(170X160X100) mm	(264X162X100) mm	(325X264X150) mm	(528X325X150) mm
Exterior dimensions* (W x D x H)	(191X247X222) mm	(279X248X251) mm	(341X351X312) mm	(546X412X320) mm
Electrical Requirements	1 A		3 A	6 A
Power Consumption	100 W	175 W	550 W	1100 W
Supplied With Concentric Rings Lid	1 Position	2 Position	4 Position	8 Position
HSN Code	84198990			
Ordering Information	BLFHWBC01000000000	BLFHWBC02000000000	BLFHWBC05000000000	BLFHWBC01200000000
Prices/ Piece	21,800.00	33,300.00	40,800.00	59,800.00

CIRCULATING WATER BATH

Model	WBS010	WBS020	WBS050	WBS012
Nominal capacity	1 L	2 L	5 L	12 L
Working Temperature range	Ambient +5°C to 99°C			
Temperature stability	±0.2°C			
Interior dimensions (W x D x H)	(170X160X100) mm	(264X162X100) mm	(325X264X150) mm	(528X325X150) mm
Exterior dimensions* (W x D x H)	(191X247X222) mm	(279X248X251) mm	(341X351X312) mm	(546X412X320) mm
Electrical Requirements	1 A		3 A	6 A
Power Consumption	100 W	175 W	550 W	1100 W
Supplied With Concentric Rings Lid	1 Position	2 Position	4 Position	8 Position
HSN Code	84198990			
Ordering Information	BLFHWS01000000000	BLFHWS02000000000	BLFHWS05000000000	BLFHWS01200000000
Prices/ Piece	30800.00	34800.00	47000.00	65700.00

HIGH CAPACITY CIRCULATING WATER BATH

Model	WBS024	WBS035 ¹	WBS060 ¹
Nominal capacity	24 L	35 L	60 L
Working Temperature range	Ambient +5°C to 99°C		
Temperature stability	±0.2°C	±0.2°C	±0.2°C
Interior dimensions (W x D x H)	(530 x 325 x 200) mm	(650 x 530 x150) mm	(650X530X200) mm
Exterior dimensions* (W x D x H)	(560 x 360 x 300) mm	(660 x 618 x 420) mm	(660X618X470) mm
Electrical Requirements	10 A		13 A
Power Consumption	2200 W	2200 W	2900 W
Suppled With Concentric Rings Lid	8 Position	SS Hinged Canopy	
HSN Code	84198990		
Ordering Information	BLFHWS02400000000	BLFHWS03500000000	BLFHWS06000000000
Prices/ Piece	On request	On request	On request

¹ - With SS 316 Tubular Heater

STAINLESS STEEL CIRCULATING WATER BATH

- Seamless stainless steel pan & exterior body
- In built water level sensor
- Non corrosive Rings
- Two point calibration



WBP080



WBP012

Model	WBP080	WBP012
Nominal capacity	8 L	12 L
Working Temperature range	Ambient +5°C to 99°C	
Temperature stability	±0.2°C	
Interior dimensions (W x D x H)	(325 X 264 X 200) mm	(528 X 325 X 150) mm
Exterior dimensions* (W x D x H)	(341 X 351 X 312) mm	(546 X 412 X 320) mm
Electrical Requirements	3 A	6 A
Power Consumption	550 W	1100 W
Supplied With Concentric Rings Lid	4 Position	8 Position
HSN Code	84198990	
Ordering Information	BLFHWP08000000000	BLFHWP01200000000
Prices/ Piece	50300.00	77000.00

SEROLOGICAL WATER BATH

- Special design for incubation cells & serum culture sample
- 200 mm additional water tank height
- Seamless stainless steel Pan
- In built water level sensor



WBS05S

Model	WBS05S
Nominal capacity	5 L
Working Temperature range	Ambient +5°C to 99°C
Temperature stability	±0.2°C
Interior dimensions (W x D x H)	(325X264X200) mm
Exterior dimensions* (W x D x H)	(341X351X362) mm
Electrical Requirements	3 A
Power Consumption	550 W
Supplied with lid	Polycarbonate lid
HSN Code	84198990
Ordering Information	BLFHWS05S00000000
Prices/ Piece	47,000.00

CYLINDRICAL WATER CUM OIL BATH

- Easy and quick attachment of glass apparatus
- Applications in distillation, extraction and reflux reactions
- Simultaneous media and sample stirring
- Two point calibration



WBR011

Model	WBR020	WBR050	WBR011
Flask Capacity	1 L to 2 L	3 L to 5 L	6 L to 10 L
Nominal capacity	7.5 L	14.5 L	32 L
Working Temperature range for Water Bath	Ambient +5°C to 99°C with 0.1°C increments		
Temperature stability Water Bath	±0.2°C		
Working Temperature range for Oil Bath	Ambient +5°C to 240°C with 0.1°C increments		
Temperature stability Oil Bath	±1°C		
Flask Position	1	1	1
Exterior dimensions* (W x D x H)	(320 x 367 x 332) mm	(378 X 425 X 378) mm	(435 X 480 X 455) mm
Electrical Requirements	2.5 A	4 A	7 A
Power Consumption	500 W	800 W	1500 W
Supplied With Lid	Circular Covering Lids		
HSN Code	84198990		
Ordering Information	BLFHWR02000000000	BLFHWR05000000000	BLFHWR01100000000
Prices/ Piece	66,500.00	67,500.00	85,000.00

OIL BATH / CIRCULATING OIL BATH

- S.S body construction
- 4 digit 7 segment LED display for displaying temperature and time
- External probe is used for better temperature accuracy
- S.S perforated tray for holding flasks
- Easy cleaning inside the cylinder body after heating of oil



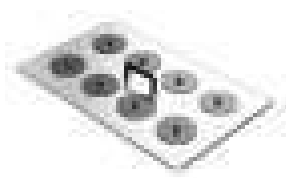
OMC250 & OMS250



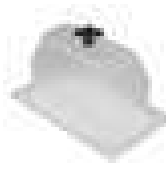
OMC010 & OMS010

Model	OMC250	OMC010	OMS250	OMS010
Nominal capacity	750 ml	3057 ml	750 ml	3057 ml
Working Temperature range	Ambient +5°C to 240°C			
Temperature stability	±1°C			
Interior dimensions (W x D x H)	(108 x 84) mm	(182 x 142) mm	(108 x 84) mm	(182 x 142) mm
Exterior dimensions* (W x D x H)	(203 x 169 x 206) mm	(273 x 240 x 263) mm	(203 x 169 x 206) mm	(273 x 240 x 263)mm
Electrical Requirements	1.5 A	3.5 A	1.5 A	4 A
Power Consumption	300 W	800 W	320 W	820 W
Supplied With Concentric Rings Lid	1 Position			
HSN Code	84198990			
Ordering Information	BLFHOMC25000000000	BLFHOMC01000000000	BLFHOMS25000000000	BLFHOMS01000000000
Prices / Piece	23,600.00	26,500.00	27,400.00	30,300.00

ACCESSORIES



BLMHWBA01200000008



BLMHWBA020CAPPC000



BLMWBA012CAP0PC00

Order No.	Product Discription	HSN Code	Pack of	Price in Rs.
Water Bath - 1 L				
BLMHWBA01000000001	SS LID with Glass Nylon Concentric Rings-01 Hole for 1 lit Water Bath	84198990	1	1560.00
BLMHWBA010CAPPC000	Polycarbonate Moulded Lid for 1 lit Water Bath	84198990	1	3210.00
Water Bath - 2 L				
BLMHWBA02000000002	SS LID with Glass Nylon Concentric Rings-02 Holes for 2 lit Water Bath	84198990	1	2190.00
BLMHWBA020CAPPC000	Polycarbonate Moulded Lid for 2 lit Water Bath	84198990	1	3210.00
Water Bath - 5 L				
BLMHWBA05000000004	SS LID with Glass Nylon Concentric Rings- 04 Holes for 5 lit Water Bath	84198990	1	2810.00
BLMHWBA05000000006	SS LID with Glass Nylon Concentric Rings- 06 Holes for 5 lit Water Bath	84198990	1	3750.00
BLMHWBA050CAPPC000	Polycarbonate Moulded Lid for 5 lit Water Bath	84198990	1	3210.00
Water Bath - 12 L & 24 L				
BLMHWBA01200000008	SS LID with Glass Nylon Concentric Rings-08 Holes for 12 lit & 24 lit Water Bath	84198990	1	6420.00
BLMHWBA01200000012	SS LID with Glass Nylon Concentric Rings-12 Holes for 12 lit & 24 lit Water Bath	84198990	1	8340.00
BLMHWBA012CAPPC000	Polycarbonate Moulded Lid for 12 lit & 24 lit Water Bath	84198990	1	5570.00

Gen2 Heating Mantles

- Digital energy regulator with 10 step power regulation
- Automatic spill detection and safety shutdown



GME010

Model	GME250	GME500	GME010
Flask Capacity	250 ml	500 ml	1 L
Flask Diameter	85 mm	105 mm	135 mm
Exterior dimensions* (W x D x H)	(310 x 330 x 160) mm		
Working Temperature range	Ambient +5°C to 420°C		
Display	LED Display with energy setting from 0-9		
Electrical Requirements	1 A	1 A	1.5 A
Power Consumption	150 W	200 W	300 W
HSN Code	84198990		
Ordering information	BLFHGME250000000000	BLFHGME500000000000	BLFHGME010000000000
Prices/ Piece	5600.00	5600.00	5600.00

Product carries no warranty. Supplied with two additional heating coil

Gen2 Precision Heating Mantles

- Digital energy regulator with 10 step power regulation
- Automatic spill detection and safety shutdown
- In built precision temperature control and energy regulator mode.
- Supplied with 2 nos of exchange coils



GMC010

Model	GMC250	GMC500	GMC010
Flask Capacity	250 ml	500 ml	1 L
Flask Diameter	85 mm	105 mm	135 mm
Exterior dimensions* (W x D x H)	(310 x 330 x 160) mm		
Working Temperature range	Ambient +5°C to 420°C		
Display	LED Display with time, temperature & process status		
Temperature Accuracy	±1.0°C		
Timer	0-999 Minutes		
Electrical Requirements	1 A	1 A	1.5 A
Power Consumption	150 W	200 W	300 W
HSN Code	84198990		
Ordering information	BLFHGMC250000000000	BLFHGMC500000000000	BLFHGMC010000000000
Prices/ Piece	7400.00	7400.00	7400.00

Product carries no warranty. Supplied with two additional heating coil

HEATING MANTLES

- Energy regulator for adjustment of temperature
- Thermally insulated, electrically grounded and powder coated metal body
- Stainless steel top plate for corrosion resistant handling
- Quick clamp feature for easy heating element replacement



HME050

Model	HME010	HME020	HME030	HME050	HME011
Flask Capacity	1 L	2 L	3 L	5 L	10 L
Flask Diameter	131 mm	166 mm	199 mm	255 mm	279 mm
Working Temperature range	Ambient +5°C to 420°C				
Display	LED indication with energy setting				LED indication with energy Setting from 0-9
Exterior dimensions (W x D x H)	(355 x 265 x 136) mm			(430 x 335 x 170) mm	((450 x 603 x 215) mm
Electrical Requirements	1.5 A	2 A		3 A	6 A
Power Consumption	300 W	450 W		600 W	1200 W
HSN Code	84198990				
Ordering Information	BLFHHME01000000000	BLFHHME02000000000	BLFHHME03000000000	BLFHHME05000000000	BLFHHME01100000000
Prices/ Piece	11,200.00	11,800.00	12,000.00	20,600.00	30,600.00

PRECISION HEATING MANTLES

- Temperature accuracy of $\pm 1^\circ\text{C}$ with auto cut off
- Thermally insulated, electrically grounded and powder coated metal body
- Stainless steel top plate for corrosion resistant handling
- Quick clamp feature for easy heating element replacement



HMC010

Model	HMC010	HMC020	HMC030	HMC050
Flask Capacity	1 L	2 L	3 L	5 L
Flask Diameter	131 mm	166 mm	199 mm	255 mm
Working Temperature range	Ambient +5°C to 420°C			
Display	LED Display with time, temperature & process status			
Temperature Accuracy	±1.0°C			
Timer	0-999 Minutes			
Exterior dimensions* (W x D x H)	(263 x 355 x 136) mm			(430 x 335 x 170) mm
Electrical Requirements	1.5 A	2.5 A		3 A
Power Consumption	300 W	450 W		600 W
HSN Code	84198990			
Ordering Information	BLFHMMC01000000000	BLFHMMC02000000000	BLFHMMC03000000000	BLFHMMC05000000000
Prices/ Piece	26,700.00	27,200.00	29,400.00	37,900.00

STIRRING MANTLE

- **Energy & Speed** control
- Thermally insulated, electrically grounded and powder coated metal body
- Stainless steel top plate for corrosion resistant handling
- Quick clamp feature for easy heating element replacement



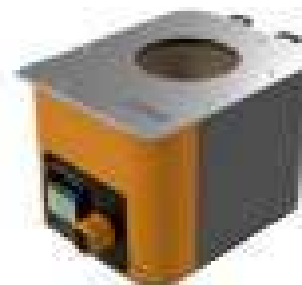
RMA010

Model	RMA250	RMA500	RMA010	RMA020
Flask Capacity	250 ml	500 ml	1 L	2 L
Flask Diameter	85 mm	105 mm	131 mm	166 mm
Working Temperature range	Ambient +5°C to 450°C			
Display	LED indication for process status			
Speed	200-2200 rpm			
Exterior dimensions (W x D x H)	(225X170X150) mm		(265 x 335 x 200) mm	
Electrical Requirements	1 A		2 A	
Power Consumption	150 W	200 W	300 W	450 W
HSN Code	84198990			
Ordering information	BLFHRMA25000000000	BLFHRMA50000000000	BLFHRMA01000000000	BLFHPRM02000000000
Prices/ Piece	14,500.00	14,700.00	22,200.00	23,400.00

3 L, 5 L, 10 L available on request

PRECISION STIRRING MANTLE

- **Energy & Speed** regulator for temperature control
- Thermally insulated, electrically grounded and powder coated metal body
- Stainless steel top plate for corrosion resistant handling
- Quick clamp feature for easy heating element replacement



PRM250

Model	PRM250	PRM500	PRM010	PRM020
Flask Capacity	250 ml	500 ml	1 L	2 L
Flask Diameter	85 mm	105 mm	131 mm	166 mm
Working Temperature range	Ambient +5°C to 450°C			
Display	LED Display with temperature & process status			
Temperature Accuracy	±1.0°C			
Speed	200-2200 rpm			
Exterior dimensions (W x D x H)	(225 x 170 x 150) mm		(265 x 335 x 200) mm	
Electrical Requirements	1A		2A	
Power Consumption	150 W	200 W	300 W	450 W
HSN Code	84198990			
Ordering information	BLFHPRM25000000000	BLFHPRM50000000000	BLFHPRM01000000000	BLFHPRM02000000000
Prices/ Piece	23,600.00	24,700.00	27,000.00	27,600.00

3 L, 5 L, 10 L available on request

MAGNETIC HOT PLATE STIRRER

- Temperature range upto 200 degree Celsius
- Maximum Stirring Capacity upto 2L
- Speed Range 100 - 1500 rpm
- Temperature accuracy $\pm 1^{\circ}\text{C}$



Model	HLS200
Stirring Position	One
Max Capacity	2 L
Temperature Range	Ambient +5°C to 300°C
Temperature Accuracy	$\pm 1^{\circ}\text{C}$
Temperature Control	PID and Digital Energy Regulator
Liquid Temperature	85°C for water
Supplied with External Probe	PT 100
Speed Range	100 to 1500 rpm
Set up Plate Diameter	150 x 150 mm
Set up Plate	SS Top Plate
Dimensions (LxWxH)	260 x 190 x 155 (in mm)
Protection Class	IP21
HSN Code	84798200
Ordering Information	BLFHLS20000000000
Prices/ Piece	11,800.00

ACCESSORIES

Product Code	Description	List Price
BLA0DIN00MX0005PIN*	PT100 DIN Connector	1920.00

* Supplied with unit

MAGNETIC HOT PLATE STIRRER

- Temperature range upto 320°C
- Maximum Stirring Capacity upto 5L
- Motor type BLDC motor
- Upgradeable USB for print



Model	HPS050	HPS051
Stirring Position	One	
Max Capacity	5 L	
Temperature Range	Ambient +5°C to 320°C	
Temperature Accuracy	±1°C	
Plate Temperature	upto 320°C	
Temperature Control	PID	
Liquid Temperature	96°C - 99°C for water	
Supplied with External Probe	PT 100 with stand	
Max Speed	1500 rpm	
Motor Type	BLDC MOTOR	
Display Timer	0-999 min	
Set up Plate Diameter	135 mm	
Set up Plate	SS 304 Top Plate	Ceramic Coated Top Plate
Dimensions (LxWxH)	(270x200x100) mm	
Protection Class	IP21	
Heater Power	550W	
HSN Code	90278090	
Ordering Information	BLFHHP05000000000	BLFHHP05100000000
Prices/ Piece	On request	On request

ACCESSORIES

Product Code	Description	List Price
BLA0DIN00MX0005PIN*	Pt100 DIN Connector	1920.00

* Supplied with unit

MAGNETIC HOT PLATE STIRRER

The nano crystalline ceramic glass-top provides excellent resistance to thermal shock and corrosive liquids. The elevated design, protects the unit from spillages. Best in class capacity and speed of 20 lit and 2200 rpm. The unit comes with slip detection that can recover the stir bar in the event of it being lost outside the magnetic field.

The target temperature can be achieved in rapid or gradual or accurate modes depending upon the application. The unit can also be programmed to meet custom temperature and time conditions.



Model	MHPS 350	MHPS 550
Max capacity in lit		20
Max speed (rpm)		2200
Temp range (from ambient)	350°C	550°C
Plate Temperature	280°C	450°C
Liquid Temperature	180°C	280°C
Stirring positions		One
Set up plate		Ceramic
Protection class		IP21
Dimension (W X D X H)		220 x 330 x 115
HSN Code		84198990
Set up plate in mm		180 x 180
Display		Digital
HSN Code		84198990
Ordering Information	BLFACTR00500000000	BLFACTR00900000000
Prices/ Piece	On request	On request

ACCESSORIES

Product Code	Description	List Price
100MHPS01PT100*	PT 1000	6500.00
100MHPS01PS000*	Probe Stand	1600.00

* Supplied with unit

MULTI POSITION STIRRERS

Multi position stirrers with slip-less speed regulation, homogenous temperature distribution and brushless motor for maintenance free operation.

The closed design allows for easy cleaning, safety and protection against spillage.



Model	MHPS 5P	MHPS 10P	MHPS 15P	MS 5 - 2 L
Stirring positions	5	10	15	5
Max Speed (rpm)	1500			2200
Speed range in rpm	digital			
Motor type	10			
Max capacity in lit	2	4	6	10
Temp range (from ambient)	120°C			NA
Dimension (W X D X H)	(562 x 136 x 75) mm	(568 x 196 x 75) mm	(568 x 282 x 76) mm	(594 x 332 x 45) mm
Set up plate	(456 x 118) mm	(460 x 178) mm	(460 x 264) mm	(573 x 305) mm
Pulse mode	Yes			
Ordering Information (with heating)	100MHPS0515000	100MHPS1015000	100MHPS1515000	NA
Prices/ Piece	43,600.00	61,700.00	85,000.00	NA
Ordering Information (without heating)	100MS000515000	100MS001015000	100MS001515000	100MS000522000
Prices/ Piece	35,000.00	53,250.00	71,000.00	66,300.00

INDUSTRIAL MAGNETIC STIRRERS

- Stainless steel body
- Stirring capacity upto 200 Lit
- Speed range 0-1000 rpm
- USB output to printer (optional)



MGS020



MGS050



MGS200

Model	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	(300 x 300) mm	(400 x 400) mm	(500 x 500) mm
Dimensions (W x D x H)	(300 x 390 x 110) mm	(400 x 490 x 110) mm	(500 x 590 x 110) mm
Weight of the Product	12 Kg	14 Kg	25 Kg
Weight/load (it can Sustain)	30 Kg	70 Kg	200 Kg
Ramp rate	Adjustable for different viscosity		
Safety temperature	External probe for recording and monitoring sample temperature and safety limit		
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	15 W	30 W	
HSN Code	90278090		
Ordering Code	BLFHMG02000000000	BLFHMG05000000000	BLFHMG20000000000
Prices/ Piece	On Request		

MAGNETIC STIRRER

- Maximum Stirring Capacity upto 2L
- Speed Range 100 - 1500 rpm



Model	MGS001
Stirring Position	One
Max Capacity	2 L
Speed	0-2000rpm
Display	LED Display
Plate Material	SS304
Plate Dimension in mm	(189 x 208) mm
Unit External Dimensions (W x D x H)	(284 x 188 x 120) mm
Timer	0-999 min
Current Consumption	1 A
Power Consumption	24 W
HSN Code	90278090
Ordering Information	BLFHMGS00100000000
Prices/ Piece	9300.00

MOTORLESS MAGNETIC STIRRERS

Truly maintenance free with no moving parts. Ultra thin design just 12mm thick. The SS top surface provides protection against damage due to spillage.



MS ONE

MS FOUR

Model	MS One	MS Four
Max Speed (rpm)	1500	1200
Increment speed (from 15 rpm)	50	50
Display	digital	
Max load (ml)	800	250 x 4
Magnetic bar length (mm)	25	
Pulse	Yes	
Dimension (W X D X H)	(156 x 110 x 13.2) mm	(457 x 126 x 13.4) mm
Protection class	IP64	
Stirring Position	One	Four
HSN Code	84198990	
Ordering Information	100MS000115000	100MS000412000
Prices/ Piece	12,500.00	24,900.00

DRY BATH

- Anodised Aluminium Block
- Digital LED display
- Uv Resistant Top Cover
- Rotary Knob For Ease of Operation



Model	LBH010
Temperature Range	Ambient +5°C to 150°C
Temperature Accuracy	±1°C
Timer	0-999 min
Temperature Control	PID and Digital Energy Regulator
Block Capacity	2,5 ml x 8, 1,5 ml X 8, 0.5 ml X 8
Unit External Dimensions (WxDxH)	285X190X156 (in mm)
Cover For DryBlock	UV protection
Power consumptions	200 W
Current Consumption	2.5 A
HSN Code	84198990
Ordering Information	BLFHLBH01000000000
Prices/ Piece	24,200.00

ACCESSORIES - Magnetic Stir Bar

Product Code	Description	Recommended For	Pack Size	MRP
100MSA0BL08025	Accessory Stir Bar D: 8mm X 25mm	Motorless stirrers, Multi position stirrers, MHPS350/ MHPS550	10 pcs	3300.00
100MSA0BL08035	Accessory Stir Bar D: 8mm X 35mm	MHPS350/ MHPS550	10 pcs	3500.00
100MSA0BL12050	Accessory Stir Bar D: 12mm X 50mm	MHPS350/ MHPS550	10 pcs	10300.00
100MSA0BL13060	Accessory Stir Bar D: 13mm X 60mm	MHPS350/ MHPS550	1 pc	1540.00
100MSA0BL14080	Accessory Stir Bar D: 14mmX 80mm	MS 50	1 pc	2200.00
100MSA0BL16100	Accessory Stir Bar D: 16mm X 100mm	MS 200	1 pc	2420.00

VORTEX MIXER

- Touch & Continuous Mode
- Overload & Over Current Protection
- AC Motor For Quick Acceleration & Low Maintenance
- Easy Recognition of Mixing Mode With In build LED Lamp



BHRMI 1.0



BHRMI 2.0

Model	BHRMI 1.0	BHRMI 2.0
Speed	200 to 2800 rpm	
Orbital diameter	4 mm	
Operational mode	Touch, Stand-by & Continuous mode	
Timer Setting	0 -999 min	
Display	NA	LED with rpm & time
Feet	Four suction cups	
Unit External Dimension (W x D x H)	(132x160 x180) mm	
Power consumptions	250 W	350 W
Current consumption	1 A	1.5 A
HSN Code	84798200	
Ordering Information	BLFHVMX01000000000	BLFHVMX02000000000
Prices/ Piece	10,300.00	13,300.00

		
Vial Flat Foam	Rubber Cup	Vial Holder foam
		
Volumetric Flask Belt	Well plate holding belt	Well plate

ACCESSORIES BHRMI 1.0 / 2.0

Product Code	BHRMI 1.0	BHRMI 2.0	Order Description	List Price
BLMHVX01040000010	√	√	VMX rubber cup	630.00
BLMHVX01042000011	√	√	VMX EVA flat foam	370.00
BLMHVX01010000017	√	√	VMX EVA flat head holder	580.00
BLMHVX01000000011	√	√	EVA Vial Holder foam	380.00
BLMHVX01000000012		√	Volumetric Flask Base foam	380.00
BLMHVX02000000011		√	25, 50, 100 ml Vol. Flask hold_belt	1130.00
BLMHVX02060000010		√	VMX 96 Well Plate	2170.00
BLMHVX02060000012		√	Silicon 96 well plate holding belt	1230.00

MULTI TUBE VORTEXER

LabQuest multi tube vortexer produces powerful vortex action with inbuilt counter balance for stable and silent operation.

The multi tube vortexer comes with digital display, programmable pulse mode, compatible with 7ml / 15ml / 50 ml multi tubes and 250 ml conical flask.



Model	VMMT
Max Speed (rpm)	300 - 2500
Timer	1-999 mins & infinite
Motion Type	Clockwise and Counter clockwise motion
Pulse Mode	280°C
Display	Digital
Motor Type	BLDC
Protection class	IP 21
Weight	18 kg
Power Consumption	75 W
HSN Code	84798200
Ordering Information	100VMMT6025000
Prices/ Piece	On request

ACCESSORIES

Product Code	Description	List Price
100VMMA600700T*	Accessories for Multi Vortex for 60 Tube	6,500.00
100VMMA451500T*	Accessories for Multi Vortex for 45 Tube (15 ml)	6,500.00
100VMMA185000T*	Accessories for Multi Vortex for 18 Tube (50 ml)	6,500.00
100VMMA062500F*	Accessories for Multi Vortex for 6 Flask (250 ml)	6,500.00

* Supplied with unit

LABWARE DRYER

- Optimum air circulation that dries labware in less than 15 mins
- Perfectly dried labware for error free experiments
- Benchtop and Wall mountable unit
- Assorted stainless steel easy to clean Pegs
- Heater (ON / OFF) feature for drying plasticware



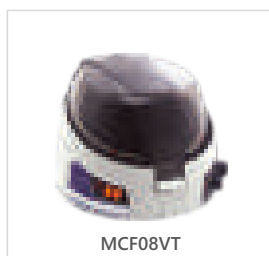
Model	GDS010
Number of Pegs	22
Peg Sizes (Volume compatibility)	
16 mm	12 Nos
10mm	10 Nos
Temperature Range (°C)	Ambient to 70°C
Time Control	Yes
Drying Power	1075 W
Dimension(W x D x H)	(400 x 367 x 620) mm
HSN Code	84798200
Ordering information	BLFGGDS01000000000
Prices/ Piece	37,500.00

Product Code	Description	HSN Code	Nos Pcs	Prices Rs
BLPGGDS01000000010	Pegs For Volumetric Adapter -10ID	39260000	10	5200.00
BLPGGDS01000000016	Pegs For Volumetric Adapter-16ID	39260000	12	6200.00

MICRO CENTRIFUGE

LabQuest micro centrifuges are engineered for advanced aerodynamics to ensure low heat generation due to air friction and low noise operation.

Safety features include imbalance detection with auto cut-off. Electronic brake for auto stop on lid opening. Rotor and adaptors are supplied as standard accessories.



Model	MCF08VT	HMC12VT
Rotor position	8	12
Tube capacity in ml	1.5 / 2.0 / 0.2 / 0.5	
Max speed (rpm)	6000	15000
RCF	2000	15596
Display	Digital	
Noise level	< 55db	< 60db
Imbalance detection	No	Yes
Dimension (W X D X H)	(162 x 157 x 116) mm	(260 x 244 x 205) mm
Weight	1.1 Kg	4 kg
Product Code	100MCF00800VT0	100HMC1200VT0
Price / Unit	11,390.00	58,000.00

CLINICAL CENTRIFUGE

Centrifuges for clinical applications are designed to accommodate rotors and centrifuge tubes of varied sizes.

The CCF 4000VT is designed to accommodate both a swing out rotor for improved separation as well as a 16 position rotor for high throughput while still remaining compact.

The DCF06VT provides a modern but economical centrifuge for basic clinical separations.



Model	DCF06VT	CCF4000VT	CCF4000VT
Rotor position	Fixed angle	Swing-out	Fix
Tube capacity in ml	5 / 7 / 9 / 15 x 6 Tubes	10 x 8 Tubes	15 x 8 Tubes
Max speed (rpm)	6500	4000	4000
Lid lock safety	Yes		
Liquid Temperature	Digital		
Stirring positions	Yes		
Dimension (W X D X H)	(260 x 244 x 205) mm	(415 x 355 x 173) mm	(415 x 355 x 173) mm
HSN Code	84198990	84198990	84198990
Ordering Information	100DCF00600VT0	100CCF00800VT0	On request
Prices/ Piece	40,000.00	62,000.00	On request

ACCESSORIES

Product Code	Description	Price / Unit - ₹
100CCFA0610MLS*	Rotor for CCF 8 swing, 10ml x 6	10,000.00
100CCFA0815MLF	Rotor for CCF 8 fix, 15ml x 8	10,000.00
100CCFA1610MLF	Rotor for CCF 8 fix, 10ml x 16	10,000.00

* Supplied with unit

SHAKERS

7500S / PL FOUR / 3D -S / 1500 S

Shakers produce true linear or orbital motion using brush less dc motors.

Digital display and soft touch control panel interface for fatigue free convenience.

Microprocessor control allows for custom programming of speed and time.

The platform shaker 7500S can handle a mass of 7.5 kg.



Model	7500S	15000S	Four	3D-S
Type of movement	Orbital / Linear		Orbital	Rocking / Tumbling 7°
Orbital diameter in mm	10	30, 40, 40, 60, 70	4	-
Speed range in rpm	50-500	30 - 300	100-1200	10-80
Motor type	BLDC			
Display	digital			
Run time	0-99 hrs and 0-60min	Upto 99hours 59 mins	1-999 min and infinite	
Dimensions (WXDXH)	(350 x 408 x 105) mm	(825 x 625 x 165) mm	(343 x 195 x 88) mm	(307 x 267) mm (for plate)
HSN Code	84798200			
Ordering Information	100S0000075000	100S0000150000	100PL000400000	1003DS0000080R
Prices/ Piece	73,100.00	1,95,000.00	27,600.00	28,000.00

ACCESSORIES

Shaker 7.5Kg

Product Code	Description	MRP
100S00009UPB75 *	Universal platform with adjustable bars (Flask capacity 9 x 250ml, 6 x 500 ml)	8,200.00
100S02509BPP75	Base plate with 9 plastic clamps : 9 x 250 ml	8,200.00
100S05009BPP75	Base plate with 9 plastic clamps : 9 x 500 ml	8,800.00
100S01009BPS75	Base plate with 9 Stainless steel clamps : 9 x 100 ml	10,000.00
100S02509BPS75	Base plate with 9 Stainless steel clamps : 9 x 250 ml	10,300.00
100S05009BPS75	Base plate with 9 Stainless steel clamps : 9 x 500 ml	12,400.00
100S01001SSC00	Stainless steel Clamp for 100 ml flask	600.00
100S01501SSC00	Stainless steel Clamp for 150 ml flask	620.00
100S02501SSC00	Stainless steel Clamp for 250 ml flask	620.00
100S05001SSC00	Stainless steel Clamp for 500 ml flask	1170.00
100S10001SSC00	Stainless steel Clamp for 1000 ml flask	1430.00
100S00000FA075	Funnel Attachment	10,600.00

Shaker 15 Kg

Product Code	Description	MRP
100S00UP150000*	Shakers 15 kg Universal Platform for 44 x 100 ml, 36 x 250 ml, 25 x 500 ml, 13 x 1000 ml	44,600.00
100S0BPC150015	Shaker 15Kg Base Plate for Plastic Clamps for 24 x 250ml, 24 x 500ml,	29,500.00
100S02501PC015	Shaker 15Kg Plastic Clamp 1 No 250ml	770.00
100S05001PC015	Shaker 15Kg Plastic Clamp 1 No 500ml	990.00
100S0BSC250015	Shaker 15Kg Base Plate for SS Clamps 24 x 100ml, 24 x 150 ml, 24 x 250 ml,	26,510.00
100S01001SC015	Shaker 15Kg SS clamp 1 No 100ml,	990.00
100S01501SC015	Shaker 15Kg SS clamp 1 No 150ml,	1,210.00
100S02501SC015	Shaker 15Kg SS clamp 1 No 250ml,	1,210.00
100S0BSC100015	Shaker 15Kg Base Plate for SS Clamps 24 x 500 ml, 8 x 1000 ml	26,510.00
100S05001SC015	Shaker 15Kg SS clamp 1 No 500 ml	1,760.00
100S10001SC015	Shaker 15Kg SS clamp 1 No 1000 ml	2,000.00

***Supplied with Unit**

CHILLER

- Temperature range from -20°C to +100°C
- Ergonomic and compact design allows the instruments to be on desk at eye-level
- Large, bright LED display with reliable microprocessor PID temperature control
- Economic and environmental friendly operation
- Simple operation and navigation menu



CTR 175



CTR 500

Model	CTR 175	CTR 500	CTR101
Tank capacity	5 L	7.5 L	10 L
Tank size (L x W x D)	(325x176x150) mm	(325x265x150) mm	(325x265x200) mm
Cooling capacity	175 W	500 W	1000 W
Pump flow rate	12.5 LPM		
Heater capacity (Watt)	2000 W		
Display	LED		
Temperature stability	± 0.03 °C		
Temperature range	-20 to 100°C	-10 to 100°C	-10 to 100°C
HSN Code		84198990	
Ordering Information	BLFPCTR17500000000	BLFPCTR50000000000	BLFPCTR10000000000
Prices/ Piece	On request		

ACCESSORIES

Product Code	CTR 005	List Price / Mtr
BLA0STT4D00006TRNP	Silicon Tube : 4 mm ID x 06 mm OD	455.00
BLA0STT8D00012TRNP	Silicon Tube : 8 mm ID x 12 mm OD	600.00
BLA0TUB100SILC1014	Silicon Tube : 10 mm ID x 14 mm OD	660.00
BLA0VRT8D00012DBLK	Viton Rubber Tube : 8 mm ID x 12 mm OD	1500.00
BLA0VRT10D0014DBLK	Viton Rubber Tube : 10 mm ID x 14 mm OD	1600.00
BLA0PIPPVC0HOS00CB	Clear Braided PVC Hose Pipe	300.00

Vacuum Pump - Oil Free

- Prevent the need of lubricant or regular oil changes
- Enhancing pump life with filter cartridge air inlet to filter
- Vacuum regulator to adjust pump vacuum.
- Auto shut off when overheated



Ordering Information

Model	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)	(272 x 142 x 165) mm
Electrical Requirement	0.3 A
Power Consumption	60 W
HSN Code	84798200
Ordering Information	100VP300017
Price ₹	23,000.00

Caution :

Please do not use this vacuum pump with any corrosive chemicals such as Acid, Alkali & Organic Air. Avoid any material or liquid sucked down into the pump that will cause serious damage.

***Supplied with Unit**

TUBE ROLLER

TR - 4 / TR - 10

Tube rollers are offered to meet the budgets and applications of all labs. Rollers can be easily mounted or removed without any tools.

Rollers can also be adjusted to accommodate tubes of different diameters.



Ordering Information

Specification	TR - 4	TR - 10
Number of tubes (in ml)	9 x 5	27 x 7
Motion	Rocking & Rolling	Rocking & Rolling
Motor	AC	BLDC
Speed	fixed	variable
rpm	30	10 to 80
Timer	NA	Yes
Pulse mode	NA	Yes
Protection Class	IP 21	IP 21
Dimension (W X D X H) in mm	475 x 210 x 80	502 x 448 x 92.5
Product Code	100R0000415000	100R0001020000
Price / Unit	16,000.00	33,200.00

* TR - 4 & TR - 10 Available till stock last.

TUBE DISC ROTATORS

SDR 16

The SDR 16 is functional tube rotator which is robust and compact. The fixed speed of 30 rpm and the gentle circular motion generated is ideal for effective mixing in blood collection tubes.



Ordering Information

Specification	SDR 16
Tube Capacity	16x10ml or Blood tube
Speed	Fixed
rpm	30
Time in min	Infinite
Motor	AC
Protection Class	IP 21
Pulse mode	NO
Dimension	278 x 183 x 252
Cat Code	100CTR0160030R
Price / Unit	16,600.00

* Available till stock last.

***Supplied with Unit**

LABQUEST BY BOROSIL®

SMART • RUGGED • PRACTICAL

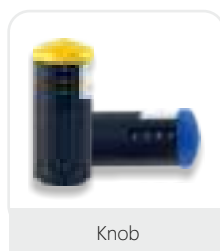
- High precision Micro-pipette
- Unique, flexible volume selection mechanism
- Universally compatible tip cone
- All metal mechanism
- Bottle Top Dispensers with re-circulation



C1 THE HIGH PRECISION MICROPIPETTE

FULLY AUTOCLAVABLE

- Silicone o-ring for optimal tip seal
- Robust design includes metal tip base
- Low operating thumb force



Knob



'O' ring



Ejector

C1 SINGLE CHANNEL FIXED VOL PIPETTE,

Calibration & Accuracy As Per ISO 8655

Product Code	Volume Range (μl)	Inaccuracy (%)	Imprecision	Price / Piece ₹
LHC17111001	1	2.5	1.8	13,000.00
LHC17111002	2	2.5	1.8	13,000.00
LHC17111005	5	1.2	0.8	13,000.00
LHC17111006	10	1	0.5	13,000.00
LHC17111008	20	1	0.3	13,000.00
LHC17111009	25	0.8	0.35	13,000.00
LHC17111010	30	1.16	0.4	13,000.00
LHC17111012	50	1	0.3	13,000.00
LHC17111016	100	0.7	0.2	13,000.00
LHC17111020	200	0.6	0.2	13,000.00
LHC17111021	250	2	0.6	13,000.00
LHC17111024	500	0.8	0.15	13,000.00
LHC17111029	1000	0.8	0.2	13,000.00
LHC17111030	2000	1.2	0.3	13,000.00
LHC17111033	5000	0.6	0.15	13,000.00
LHC17111038	10000	0.6	0.15	13,000.00

C1 Single Channel Variable Vol Pipette

Calibration & Accuracy As Per ISO 8655

Product Code	Volume Range (μl)	Volume Increment (μl)	Inaccuracy (%)	Imprecision	Price / Piece ₹
LHC17112002	0.2-2	0.02	12.00/2.0	06.00/1.00	16,000.00
LHC17112005	0.5-10	0.1	2.50/1.0	01.80/0.50	16,000.00
LHC17112008	2-20	0.2	5.00/1.00	1.50/0.30	16,000.00
LHC17112016	5-50	0.5	2.00/1.00	1.20/0.30	16,000.00
LHC17112020	10-100	1	2.50/0.70	1.00/0.20	16,000.00
LHC17112024	20-200	2	2.50/0.60	0.70/0.20	16,000.00
LHC17112029	100-1000	2	2.00/0.80	0.60/0.20	16,000.00
LHC17112033	1000-5000	10	1.20/0.60	0.30/0.15	16,000.00
LHC17112038	1000-10000	50	1.20/0.60	0.30/0.15	16,000.00

Convert fixed volume pipette to a variable volume pipette

C1 Micropipettes come with detachable pre calibrated volume knobs. Cut costs while increasing the accuracy of your experiments.

Product	Description	Qty / Pk	Price / Piece ₹
On Request	C1 Fixed Vol Knob	1	2250.00
On Request	C1 Variable Vol Knob	1	3300.00



C1 THE HIGH PRECISION MICROPIPETTE

FULLY AUTOCLAVABLE

C1 Pipette 8 Channel

Calibration & Accuracy As Per ISO 8655

Product Code	Volume Range (µl)	Volume Increment (µl)	Inaccuracy (%)	Imprecision	Price / Piece ₹
LHC17113001	0.5-10	0.1	5.00/2.00	3.60/1.00	30,200.00
LHC17113002	2-20	0.2	5.00/2.00	3.60/1.00	30,200.00
LHC17113009	5-50	0.5	3.20/1.40	1.60/0.60	30,200.00
LHC17113016	10-100	1	2.50/1.30	1.20/0.50	30,200.00
LHC17113020	20-200	2	1.80/1.20	0.80/0.40	30,200.00
LHC17113022	30-300*	2	1.66/1.40	0.60/0.30z	30,200.00

* 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	Price / Piece ₹
LHC17114001	0.5-10	0.1	5.00/2.00	3.60/1.00	33,500.00
LHC17114002	2-20	0.2	5.00/2.00	3.60/1.00	33,500.00
LHC17114009	5-50	0.5	3.20/1.40	1.60/0.60	33,500.00
LHC17114016	10-100	1	2.50/1.30	1.20/0.50	33,500.00
LHC17114020	20-200	2	1.80/1.20	0.80/0.40	33,500.00
LHC17114022	30-300*	2	1.66/1.40	0.60/0.30	33,500.00

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



FULLY AUTOCLAVABLE



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

Product Code	Volume Range (µl)	Inaccuracy (%)	Imprecision	Price / Piece ₹
LHC37111001	1	2.5	1.8	3400.00
LHC37111002	2	2.5	1.2	3400.00
LHC37111005	5	1.2	0.8	3400.00
LHC37111006	10	1	0.5	3400.00
LHC37111008	20	1	0.3	3400.00
LHC37111009	25	0.8	0.35	3400.00
LHC37111010	30	1.16	0.4	3400.00
LHC37111012	50	1	0.3	3400.00
LHC37111016	100	0.7	0.2	3400.00
LHC37111020	200	0.6	0.2	3400.00
LHC37111021	250	0.4	0.2	3400.00
LHC37111024	500	0.8	0.15	3400.00
LHC37111029	1000	0.8	0.2	3400.00
LHC37111033	5000	0.6	0.15	3400.00
LHC37111038	10000	0.6	0.15	3400.00



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

Product Code	Volume Range (µl)	Volume Increment (µl)	Inaccuracy (%)	Imprecision	Price / Piece ₹
LHC37112002	0.2-2	0.01	12.00/2.00	6.00/1.00	4800.00
LHC37112005	0.5-10	0.1	2.50/1.00	1.80/0.50	4800.00
LHC37112008	2-20	0.1	5.00/1.00	1.50/0.30	4800.00
LHC37112016	5-50	0.5	2.00/1.00	1.20/0.30	4800.00
LHC37112020	10-100	0.5	2.50/0.70	1.00/0.20	4800.00
LHC37112024	20-200	1	2.50/0.60	0.70/0.20	4800.00
LHC37112029	100-1000	5	2.00/0.80	0.60/0.20	4800.00
LHC37112033	500-5000	50	1.20/0.60	0.30/0.15	4800.00
LHC37112038	1000-10000	100	3.00/0.60	0.60/0.15	4800.00

FULLY AUTOCLAVABLE

Product	Volume Code (μl)	Volume Increment (μl)	Test Volume Range	Inaccuracy (μl)	Imprecision (%)	Price / Piece ₹
LHC17022042	0.5-10	0.01	1	2.5	1.8	33,750.00
			5	2	1	
			10	1	0.6	
LHC17022012	5 - 100	0.1	10	3	1	33,750.00
			50	1	0.5	
			100	0.8	0.2	
LHC17022008	10 - 200	0.1	20	2.5	0.7	33,750.00
			100	0.7	0.3	
			200	0.6	0.2	
LHC17022024	50 - 1000	1	100	3	0.6	33,750.00
			500	1	0.4	
			1000	0.6	0.2	
LHC17022016	250 - 5000	5	500	2.4	0.6	33,750.00
			2500	1.7	0.25	
			5000	0.6	0.15	

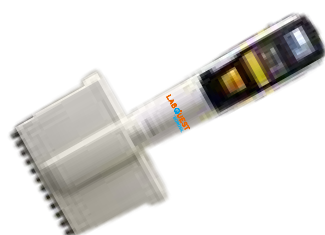


CE ELECTRONIC PIPETTE 8 CHANNEL, Calibration and Accuracy As per ISO 8655

Product Code	Volume Range (μl)	Volume Increment (μl)	Price / Piece ₹
LHC17023001	0.5-10	0.01	54,800.00
LHC17023002	2-20	0.01	54,800.00
LHC17023016	5-100	0.1	54,800.00
LHC17023020	10-200	0.1	54,800.00
LHC17023022	15-300	0.1	54,800.00

CE ELECTRONIC PIPETTE 12 CHANNEL, Calibration and Accuracy As per ISO 8655

Product Code	Volume Range (μl)	Volume Increment (μl)	Price / Piece ₹
LHC17024001	0.5-10	0.01	62,000.00
LHC17024002	2-20	0.01	62,000.00
LHC17024016	5-100	0.1	62,000.00
LHC17024020	10-200	0.1	62,000.00
LHC17024022	15-300	0.1	62,000.00



FAST PIPETTE

Pipette Controller

C1 Pipette filling device

Product Code	Description	Price / Piece ₹
LHC17005011	Pipette filling device	15,500.00

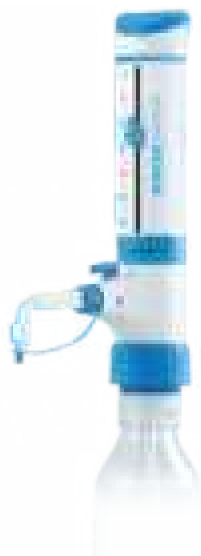




2011 - Bottle Top Dispensers Research Model - Fully Autoclavable, Calibration And Accuracy As Per ISO 8655

Product	Vol. Range (ml)	Increment (ml)	Accuracy		CV		Price / Piece ₹
			± %	± ml	± %	± ml	
LH002011002	0.25 - 2.5	0.05	0.6	0.012	0.2	0.004	12,200.00
LH002011005	0.5 - 5.0	0.10	0.6	0.030	0.2	0.010	12,200.00
LH002011016	1.0 - 10.0	0.20	0.6	0.060	0.2	0.020	12,200.00
LH002011020	2.5 - 30.0	0.50	0.6	0.180	0.2	0.060	18,000.00
LH002011040	5.0 - 60.0	1.00	0.6	0.360	0.2	0.120	18,000.00
LH002011100	10.0 - 100.0	2.00	0.5	0.500	0.1	0.100	21,500.00

Dispensers come with 20mm, 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	Vol. Range (ml)	Increment (ml)	Accuracy		CV		Price / Piece ₹
			± %	± ml	± %	± ml	
LH002012002	0.25 - 2.5	0.05	0.6	0.015	0.2	0.005	20,600.00
LH002012005	0.5 - 5.0	0.10	0.5	0.025	0.1	0.005	20,600.00
LH002012016	1.0 - 10.0	0.20	0.5	0.050	0.1	0.010	20,600.00
LH002012020	2.5 - 30.0	0.50	0.5	0.150	0.1	0.030	28,900.00
LH002012040	5.0 - 60.0	1.00	0.5	0.300	0.1	0.060	30,600.00
LH002012100	10.0 - 100.0	2.00	0.5	0.500	0.1	0.100	44,500.00

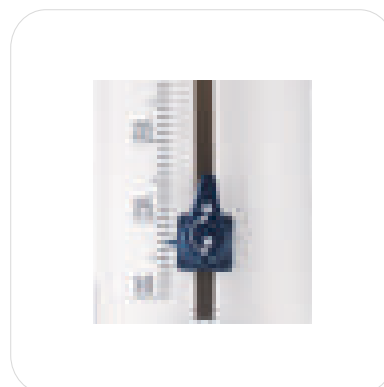
Dispensers come with 20mm, 32mm, 36mm, 40mm & 45mm bottle neck adapters.



2013 - Bottle Top Dispenser Ultimus - With Dual Valve Technology Calibration and Accuracy As Per ISO 8655

Product (ml)	Capacity	Price / Piece ₹
LH002013002	0.25 - 2.5	30,900.00
LH002013005	0.5 - 5.0	30,900.00
LH002013016	1.0 - 10.0	30,900.00
LH002013020	2.5 - 30.0	41,200.00
LH002013040	5.0 - 60.0	41,200.00
LH002013100	10.0 - 100.0	56,600.00

Dispensers come with 28mm, 30mm, 32mm, 36mm, 40mm & 45mm bottle neck adapters.



2011 - Bottle Top Dispenser Accessories

Product Code	Description	Price / Piece ₹
LH002011S01	Set of 5 Adapters 28 / 32 / 36 / 40 / 45 mm - BTDR - ADPT	2100.00
LH002011S02	Telescopic Tube Common For All Sizes- BTDR - IT	800.00
LH002011S03	Volume Adjustment Knob For 2.5 / 5 / 10 ml Dispenser - BTDR - VAK - I	500.00
LH002011S04	Volume Adjustment Knob For 30 / 60 / 100 ml Dispenser - BTDR - VAK - II	700.00
LH002011S05	Delivery Nozzle With PTFE Screw Adapter And FEP Tubing For 2.5 / 5 / 10 ml Dispenser BTDR - DN - I	1800.00
LH002011S06	Delivery Nozzle With PTFE Screw Adapter And FEP Tubing For 30 / 60 / 100 ml Dispenser - BTDR - DN - II	2100.00
LH002011S07	Delivery Tube Cover With Nozzel Cap Common For All Sizes - BTDR - DTC	700.00



Work Accurately with 3 Calibrated Pre-set Speeds

Digital Burette can be flexibly operated at 3 Calibrated Pre-set Speeds, including dropwise dispensing, to achieve accurate end points.



Dispense Easily with FlexiNozzle™

FlexiNozzle is an adjustable delivery nozzle. It offers a high degree of flexibility in both the horizontal and vertical directions, facilitating easy dispensing in demanding laboratory conditions.



Operate Smoothly with Motor Control

Motor controlled piston movement facilitates correct and comfortable titrations. It eliminates the errors associated with manual wheel controlled piston movement.



Perform Quick Titrations with TFT Touchscreen

A user-friendly TFT Touchscreen guides quick and displays numeric data up to the second decimal. Keep the Stylus pressed against it to perform dispensing and lift it to stop at once.



Re-direct Reagents with Recirculation Mode

Recirculation Mode prevents the loss of reagents during purging by re-directing them into the mounted bottle and facilitates bubble-free dispensing.



Enhanced Functionality with a Robust Control Panel

The instrument comes with a powerful Control Panel. Use it to perform functions like automatically refill without changing the reading, perform a zero reset (via Tare), switch the instrument off, etc.

- **Choose from Three Unique Capacities**
Digital Burette's are available in three unique capacities of 10 ml, 25 ml and 50 ml.
*** Refer to the specifications and**
- **Save Results on the Go**
The instrument can store up to 20 results in its memory. It also offers the option to connect to a computer and save the readings on a software for future references.
- **Micro USB Cable**
The instrument can be connected to a computer with the help of a micro USB cable which is included in the Burette kit.
- **Borosil Digital Burette's**
Control Panel uses rechargeable, long lasting end replacement batteries

ordering Information.

Work with a Modern Accessory Range that Enhances User Experience



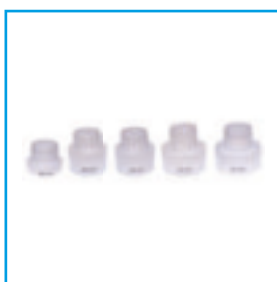
Stylus

BOROSIL E-BURETTE comes with a sleek hand-held Stylus that assists in performing touch operations on the control panel with ease.



Amber Coloured Window

The instrument transparent acrylic window can be swapped with an amber coloured window for use with chemicals / reagents that are sensitive to light.



Adapters

The instrument's comes with five adapters that comfortably fit most laboratory reagent bottles. The available sizes are of 28 mm, 32 mm, 36 mm, 40 mm and 45 mm.



Telescoping Inlet Tube

A Telescoping Tube that can be adjusted in length according to a variety of bottle sizes, is provided as an inside-the-box accessory

SPECIFICATIONS AND ORDERING INFORMATION

Model No.	Capacity (ml)	Increment	Accuracy		CV		Price / Piece ₹
			±%	±ml	±%	±ml	
LH002014006	10	0.0005 ml	0.2	0.02	0.07	0.007	78,750.00
LH002014009	25	0.01 ml	0.2	0.05	0.07	0.0175	78,750.00
LH002014012	50	0.01 ml	0.2	0.1	0.07	0.035	78,750.00

Premium Micro Pipette Tips

- Certified DNase, RNase and Pyrogen Free
- Free of PCR inhibitors, lubricants and heavy metals
- Produced from special diamond polish mould using medical grade virgin polypropylene which provides very high transparency
- With graduations for visual control of liquid transfer
- Available in both standard as well as low retention
- With no secondary treatment and with no silicone additives for low retention
- With special PE filters for prevention of aerosols and contamination
- Specifically configured to fit major Pipette Brands available worldwide

Filter tip features can be selected as per permutation of

- Sterile
- Non sterile
- Low retention
- Filter

FILTER TIPS

BOROSIL filter tips are manufactured using specifically developed Polyethylene filters to block aerosols from entering into the pipette.

This helps in prevention of cross contamination.

Ideal for use in applications like sequencing, DNA amplification, Tissue culture, RT-PCR and other critical protocols.

LOW RETENTION TIPS

BOROSIL low retention tips are manufactured from a specific resin in combination with high quality diamond finish moulds to give super hydrophobic internal surface. This results in tips having minimum retention with maximum accuracy.

Further since no silicone treatment is given, there is absolutely no leaching effect.



UNIVERSAL GRADUATED TIPS

Universal Graduated Tips Bulk Pack

Product Code	Short Code	Tip Vol µl	Special Feature	Selling Unit	Price/ Unit ₹
BGT0000010B000	BGT-10B	10		1000 tips/ pack	500.00
BGT0000010XLB0	BGT-10XLB	10	Long	1000 tips/ pack	500.00
BGT0000200B000	BGT-200B	200		1000 tips/ pack	460.00
BGT000200BC000	BGT-200BC	200	Yellow	1000 tips/ pack	460.00
BGT0001000B000	BGT-1000B	1000		1000 tips/ pack	700.00
BGT001000BC000	BGT-1000BC	1000	Blue	1000 tips/ pack	700.00
BGT001000XLB00	BGT-1000XLB	1000	Long	500 tips/ pack	840.00
BGT0C10005000B	BGT-C10005	5000	Only C1	100 tips/ pack	1140.00
BGT0C30005000B	BGT-C30005	5000	Only C3	100 tips/ pack	1140.00
BGT0C10010000B	BGT-C10010	10000	Only C1	100 tips/ pack	2500.00
BGT0C30010000B	BGT-C30010	10000	Only C3	100 tips/ pack	2500.00

Universal Graduated Tips Bulk Pack Sterile

Product Code	Short Code	Tip Vol µl	Special Feature	Selling Unit	Price/ Unit ₹
BGT000010SB000	BGT-10SB10	10		1000 tips/ pack	670.00
BGT000010XLSB0	BGT-10XLSB	10	Long	1000 tips/ pack	670.00
BGT000200SB000	BGT-200SB	200		1000 tips/ pack	670.00
BGT001000SB000	BGT-1000SB	1000		1000 tips/ pack	1000.00
BGT001000XLSB0	BGT-1000XLSB	1000	Long	500 tips/ pack	1230.00

Universal Graduated Tips Bulk Pack Sterile Low Retention

Product Code	Short Code	Tip Vol µl	Special Feature	Selling Unit	Price/ Unit ₹
BGT00010SLB000	BGT-10SLB10	10		1000 tips/ pack	920.00
BGT00010XLSLB0	BGT-10XLSLB	10	Long	1000 tips/ pack	920.00
BGT00200SLB000	BGT-200SLB200	200		1000 tips/ pack	920.00
BGT01000SLB000	BGT-1000SLB	1000		1000 tips/ pack	1500.00
BGT01000XLSLB0	BGT-1000XLSLB	1000	Long	500 tips/ pack	1840.00

Universal Graduated Tip Racks

Product Code	Short Code	Tip Vol µl	Special Feature	Selling Unit	Price/ Unit ₹
BGT0000010R000	BGT-10R10	10		10 X 96 Tips/rack	2130.00
BGT0000010XLR0	BGT-10XLR	10	Long	10 X 96 Tips/rack	2130.00
BGT0000200R000	BGT-200R	200		10 X 96 Tips/rack	2010.00
BGT0001000R000	BGT-1000R	1000		6 X 96 Tips/ rack	1290.00
BGT0001000XLR0	BGT-1000XLR	1000	Long	6 X 96 Tips/ rack	1650.00

Universal Graduated Tip Racks Sterile

Product Code	Short Code	Tip Vol µl	Special Feature	Selling Unit	Price/ Unit ₹
BGT000010SR000	BGT-10SR10	10		10 X 96 Tips/rack	2290.00
BGT0010XLSR000	BGT-10XLSR	10	Long	10 X 96 Tips/rack	2290.00
BGT000200SR000	BGT-200SR	200		10 X 96 Tips/rack	2180.00
BGT001000SR000	BGT-1000SR	1000		6 X 96 Tips/ rack	1510.00
BGT001000XLSR0	BGT-1000XLSR	1000	Long	6 X 96 Tips/ rack	1930.00

UNIVERSAL GRADUATED TIPS

Universal Graduated Tip Racks Sterile Low Retention

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT00010SLR000	BGT-10SLR	10		10 X 96 Tips/rack	2450.00
BGT00010XLSLR0	BGT-10XSLR	10	Long	10 X 96 Tips/rack	2450.00
BGT00200SLR000	BGT-200SLR	200		10 X 96 Tips/rack	2400.00
BGT01000SLR000	BGT-1000SLR	1000		6 X 96 Tips/ rack	1950.00
BGT01000XLSLR0	BGT-1000XSLR	1000	Long	6 X 96 Tips/ rack	2310.00

Universal Graduated Tip Reload Stack

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT0000010Z000	BGT-10Z	10		10 X 96 tips / rack	1270.00
BGT0000200Z000	BGT-200Z	200		10 X 96 tips / rack	1270.00
BGT0001000Z000	BGT-1000Z	1000		5 X 96 tips / rack	800.00

Universal Graduated Tip Reload Stack Sterile

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT000010SZ000	BGT-10SZ	10		10 X 96 tips / rack	1570.00
BGT000200SZ000	BGT-200SZ	200		10 X 96 tips / rack	1500.00
BGT001000SZ000	BGT-1000SZ	1000		5 x 96 tips/ rack	1120.00

Universal Graduated Tip Reload Stack Sterile Low Retention

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT00010SLZ000	BGT-10SLZ	10		10 X 96 tips / rack	1840.00
BGT00200SLZ000	BGT-200SLZ	200		10 X 96 tips / rack	1790.00
BGT01000SLZ000	BGT-1000SLZ	1000		5 x 96 tips/ rack	1400.00

UNIVERSAL GRADUATED FILTER TIPS

Universal Graduated Filter Tips Bulk Pack

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT000010FB000	BGT-10FB	10		1000 tips/ pack	2290.00
BGT000010XLFB0	BGT-10XFB	10	Long	1000 tips/ pack	2290.00
BGT000020FB000	BGT-20FB	20		1000 tips/ pack	2340.00
BGT000050FB000	BGT-50FB	50		1000 tips/ pack	2340.00
BGT000100FB000	BGT-100FB	100		1000 tips/ pack	2340.00
BGT000200FB000	BGT-200FB	200		1000 tips/ pack	2340.00
BGT001000FB000	BGT-1000FB	1000		1000 tips/ pack	2900.00
BGT001000XLFB0	BGT-1000XFB	1000	Long	500 tips/ pack	3680.00

Universal Graduated Filter Tips Bulk Pack Sterile

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT00010SFB000	BGT-10SFB	10		1000 tips	2660.00
BGT00010XLSFB0	BGT-10XSFB	10	Long	1000 tips	2660.00
BGT00020SFB000	BGT-20SFB	20		1000 tips	2660.00
BGT00050SFB000	BGT-50SFB	50		1000 tips	2660.00
BGT00100SFB000	BGT-100SFB	100		1000 tips	2660.00
BGT00200SFB000	BGT-200SFB	200		1000 tips	2660.00
BGT01000SFB000	BGT-1000SFB	1000		1000 tips	3250.00
BGT01000XLSFB0	BGT-1000XSFB	1000	Long	500 tips	3990.00

Universal Graduated Filter Tips Bulk Pack Sterile Low Retention

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT000010SLFB0	BGT-10LFRB	10		1000 Tips	2830.00
BGT00010XLSLFB	BGT-10XLFR	10	Long	1000 Tips	2830.00
BGT000020SLFB0	BGT-20LFR	20		1000 Tips	2830.00
BGT000050SLFB0	BGT-50FR	50		1000 Tips	2830.00
BGT000100SLFB0	BGT-100FR	100		1000 Tips	2830.00
BGT000200SLFB0	BGT-200FR	200		1000 Tips	2830.00
BGT001000SLFB0	BGT-1000FR	1000		1000 Tips	3740.00
BGT01000XLSLFB	BGT-1000XLFR	1000	Long	500 Tips	4600.00

Universal Graduated Filter Tip Racks

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT000010FR000	BGT-10FR	10		10 X 96 Tips/rack	3350.00
BGT000010XLFR0	BGT-10XFR	10	Long	10 X 96 Tips/rack	3160.00
BGT000020FR000	BGT-20FR	20		10 X 96 Tips/rack	3350.00
BGT000050FR000	BGT-50FR	50		10 X 96 Tips/rack	3350.00
BGT000100FR000	BGT-100FR	100		10 X 96 Tips/rack	3350.00
BGT000200FR000	BGT-200FR	200		10 X 96 Tips/rack	3350.00
BGT001000FR000	BGT-1000FR	1000		6 X 96 Tips/ rack	2290.00
BGT001000XLFR0	BGT-1000XFR	1000	Long	6 X 96 Tips/ rack	2910.00

UNIVERSAL GRADUATED FILTER TIPS

Universal Graduated Filter Tip Rack Sterile

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT00010SFR000	BGT-10SFR10	10		10 X 96 Tips/rack	3460.00
BGT00010XLSFR0	BGT-10XLSFR	10	Long	10 X 96 Tips/rack	4240.00
BGT00020SFR000	BGT-20SFR	20		10 X 96 Tips/rack	3460.00
BGT00050SFR000	BGT-50SFR	50		10 X 96 Tips/rack	3460.00
BGT00100SFR000	BGT-100SFR	100		10 X 96 Tips/rack	3460.00
BGT00200SFR000	BGT-200SFR	200		10 X 96 Tips/rack	3460.00
BGT01000SFR000	BGT-1000SFR	1000		6 X 96 Tips/ rack	2570.00
BGT01000XLSFR0	BGT-1000XSFR	1000	Long	6 X 96 Tips/ rack	3190.00

Universal Graduated Filter Tip Rack Sterile Low Retention

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT0010SLFR000	BGT-10SLFR	10		10 X 96 Tips/rack	4240.00
BGT0010XLSLFR0	BGT-10XLSLFR	10	Long	10 X 96 Tips/rack	4240.00
BGT0020SLFR000	BGT-20SLFR	20		10 X 96 Tips/rack	4240.00
BGT0050SLFR000	BGT-50SLFR	50		10 X 96 Tips/rack	4240.00
BGT0100SLFR000	BGT-100SLFR	100		10 X 96 Tips/rack	4240.00
BGT0200SLFR000	BGT-200SLFR	200		10 X 96 Tips/rack	4240.00
BGT1000SLFR000	BGT-1000SLFR	1000		6 X 96 Tips/ rack	3180.00
BGT1000XLSLFR0	BGT-1000XSLFR	1000	Long	6 X 96 Tips/ rack	3570.00

UNIVERSAL GRADUATED INDIVIDUALLY WRAPPED TIPS

Universal Graduated Tips Sterile Individually Wrapped

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT000200SW000	BGT-2000SW	200		400 Tips/ pack	2440.00
BGT001000SW000	BGT-1000SW	1000		200 tips/ pack	1630.00


Universal Graduated Tips Sterile Low Retention Individually Wrapped

Product Code	Short Code	Tip Vol μl	Special Feature	Selling Unit	Price/ Unit ₹
BGT00200SLW000	BGT-2000SLW	200		400 tips/ pack	2570.00
BGT01000SLW000	BGT-1000SLW	1000		200 tips/ pack	1790.00

EMPTY TIP BOX RACKS

Product Code	Short Code	Tip Vol µl	Special Feature	Selling Unit	Price/ Unit ₹
BGT00010ETR000	BGT-10ETR	10		10 Rack Boxes	1650.00
BGT00010XLETR0	BGT-10XETR	10	Long	10 Rack Boxes	1650.00
BGT00200ETR000	BGT-200ETR	200		10 Rack Boxes	1650.00
BGT01000ETR000	BGT-1000ETR	1000		6 Rack Boxes	1100.00
BGT01000XLETR0	BGT-1000XETR	1000	Long	6 Rack Boxes	1140.00

Bulk pack is a pack of 1000 tips
Racks are tip boxes with 96 tips in a rack
Reload racks are racks of 96 tips
HSN CODE : 90319000



Micro Centrifuge Tubes

Certified RNase, DNase, DNA & Pyrogen Free | Centrifuge upto 20000 RCF
Temperature range: -80°C to 121 C | FDA approved resins | Universal rotor compatibility.


Product Code	Description	Pack Size	Price / Pack ₹
BGPMCT015C	1.5 ml Micro Centrifuge Tubes With Cap	500 x 2 (1000)	850.00


* For Products listed on the above table use HSN code 39269099


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' 

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' 

Those who are deceiving the public by copying the Trademark **BOROSIL®** or 'Borosil Logo'  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.

1H1.008[1.0078, 1.0082]HYDROGEN

3Li6.94[6.938, 6.997]LITHIUM

11Na22.990SODIUM

19K39.098POTASSIUM

37Rb85.468RUBIDIUM

55Cs132.91CAESIUM

87FrFRANCIUM

4Be9.0122BERYLLIUM

12Mg24.305[24.304, 24.307]MAGNESIUM

20Ca40.078(4)CALCIUM

38Sr87.62STRONTIUM

56Ba137.33BARIUM

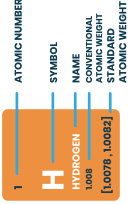
88RaRADIUM



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2He4.0026HELIUM

9F18.998FLUORINE

17Cl35.45[35.448, 35.457]CHLORINE

35Br79.904[79.901, 79.907]BROMINE

53I126.90IODINE

85At[210]ASTATINE

117Ts[294]TENNESSE

8O15.999[15.999, 16.000]OXYGEN

16S32.06[32.059, 32.076]SULFUR

34Se78.971(8)SELENIUM

52Te127.60(3)TELLURIUM

84Po[212]POLONIUM

116Lv[293]LIVERMORIUM

7N14.007[14.006, 14.008]NITROGEN

15P30.974PHOSPHORUS

33As74.922ARSENIC

51Sb121.76ANTIMONY

83Bi[209]BISMUTH

115Mc[288]MOSCOWIUM

6C12.011[12.009, 12.012]CARBON

14Si28.085[28.084, 28.086]SILICON

32Ge72.630(6)GERMANIUM

50Sn118.71TIN

82Pb207.2LEAD

114Fl[289]FLEROVIUM

5B10.81[10.806, 10.821]BORON

13Al26.982ALUMINIUM

31Ga69.723GALLIUM

49In114.82INDIUM

81Tl[204.38, 204.39]THALLIUM

113Nh[284]NIHONIUM

30Zn65.38(2)ZINC

48Cd112.41CADMIUM

80Hg200.59MERCURY

112Cn[285]COPIERNICIUM

29Cu63.546(3)COPPER

47Ag107.87SILVER

79Au196.97GOLD

111Rg[272]ROENTGENIUM

28Ni58.693NICKEL

46Pd106.42PALLADIUM

78Pt195.08PLATINUM

110Ds[271]DARMSTADTIUM

27Co58.933COBALT

45Rh102.91RHODIUM

77Ir192.22IRIDIUM

109Mt[268]MEITNERIUM

26Fe55.845(2)IRON

44Ru101.07(2)RUTHENIUM

76Os190.23(3)OSMIUM

108Hs[265]HASSIUM

25Mn54.938MANGANESE

43Tc[98]TECHNETIUM

75Re186.21RHENIUM

107Bh[264]BOHRIUM

24Cr51.996CHROMIUM

42Mo95.94MOLYBDENUM

74W183.84TUNGSTEN

106Sg[266]SEABORGIUM

23V50.942VANADIUM

41Nb92.906NIOBIUM

73Ta180.95TANTALUM

105Db[262]DUBNIUM

22Ti47.887TITANIUM

40Zr91.224(2)ZIRCONIUM

72Hf178.49(2)HAFNIUM

104Rf[261]RUTHERFORDIUM

21Sc44.956SCANDIUM

39Y88.906YTRIUM

71La[138.905, 138.906]LANTHANUM

103Lr[260]LAWRENCIUM

71Lu174.97LUTETIUM

103Lr[260]LAWRENCIUM

70Yb173.05YTBERIUM

102No[259]NOBELIUM

69Tm168.93THULIUM

101Md[258]MENDELEVIUM

68Er208.98ERBIUM

100Fm[257]FERMIUM

67Ho164.93HOLMIUM

99Es[252]EINSTEINIUM

66Dy162.50DYSPROSIUM

98Cf[251]CALIFORNIUM

65Tb158.93TERBIUM

97Bk[247]BERKELEYIUM

64Gd157.25(3)GADOLINIUM

96Cm[247]CURIUM

63Eu151.96EUROPIUM

95Am[243]AMERICIUM

62Sm150.36(2)SAMARIUM

94Pu[242]PLUTONIUM

61Pm[145]PROMETHIUM

93Np[237]NEPTUNIUM

60Nd144.24NEODYMIUM

92U[238.02891]URANIUM

59Pr140.91PRASEODYMIUM

91Pa[231.03688]PROACTINIUM

58Ce140.12CERIUM

90Th[232.0377]THORIUM

57La[138.905, 138.906]LANTHANUM

89Ac[227]ACTINIUM

ACTINIDS

LANTHANIDS

NOBLE GASES

HALOGENS

NONMETALS

SEMI-METALS

BASIC METALS

TRANSITION METALS

ALKALINE EARTH METALS

ALKALI METALS

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 : U2613MH2010PLC292722
(was a wholly owned subsidiary of **Borosil Glass Works Limited**
and formerly known as Hopewell Tableware Limited)

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