

# catalogue

LABORATORY GLASSWARE

**GULF SCIENTIFIC GLASS INDUSTRY W.L.L**

Manufacturers of Laboratory Glassware  
From 3.3 Low Expansion Borosilicate Glass





Gulf Scientific Glass Industries WLL is (GSGI) a manufacturer of Laboratory glass ware and supply associated products such as Plastic ware, instruments etc. Our goal is to achieve highest quality in products and services meeting international standards as well as meet or exceed customer requirements.

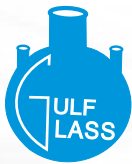
GSGI achieves the above objectives through;

- A) Total commitment to Quality management system.
- B) Delivering quality products on the principle of " right first time every time"
- C) Developing long term, mutually beneficial relationships with all its stake holders; including customers, suppliers and employees.
- D) Commitment to producing Laboratory glassware at competitive cost by achieving world class conversion efficiencies, optimized use of its assets and resources and, continuous improvement in design and manufacture.

The policy will be reviewed after every three years or on need basis by top management.

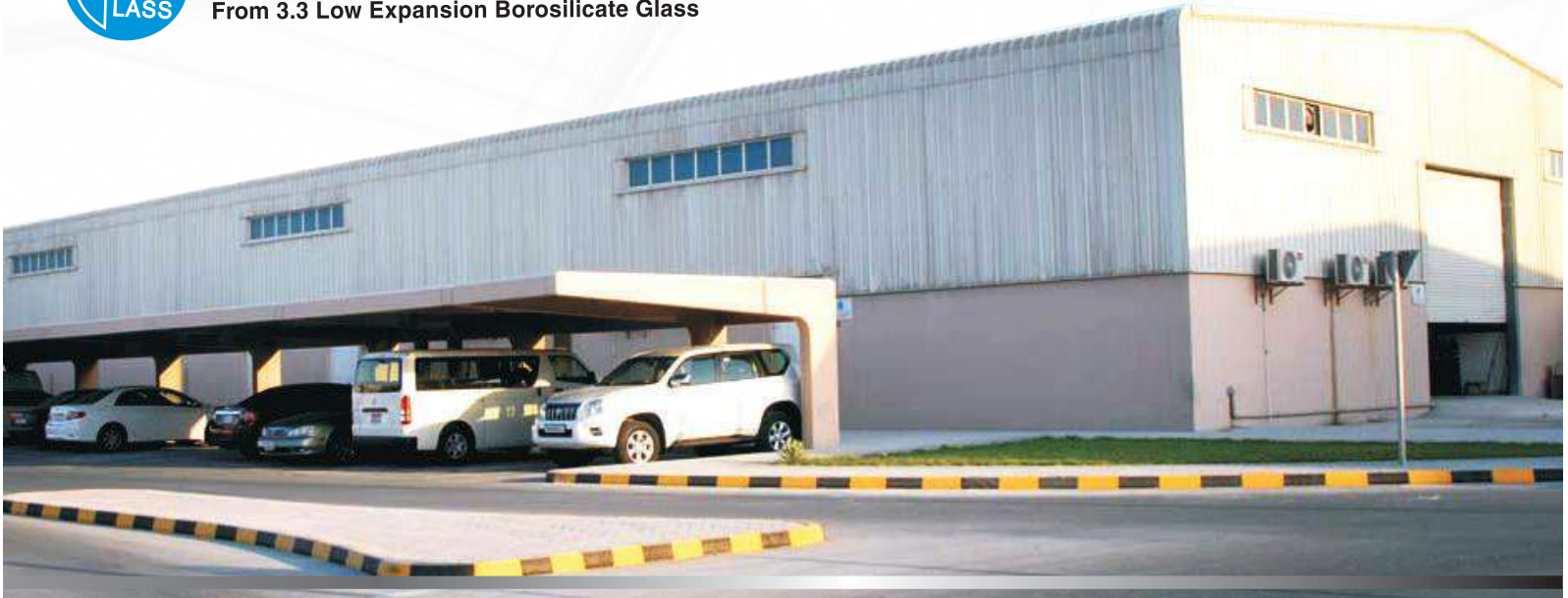
**Isa Abdulla Al Mannai**  
Chairman

Date : 13-01-2018



## **GULF SCIENTIFIC GLASS INDUSTRY W.L.L**

Manufacturers of Laboratory Glassware  
From 3.3 Low Expansion Borosilicate Glass



Gulf Scientific Glass Industry WLL. (GSGI) is a laboratory Glassware manufacturing firm that has been meeting the needs of its customers around the world for past 5 years. Combining the resources of its company, GSGI offers a wide variety of products and other Labware consumables.

In 2012, GSGI was established with the key objective of servicing the needs of customers across Middle East and worldwide. GULF SCIENTIFIC GLASS INDUSTRY has developed new products and technologies to meet the need of our growing number of customer worldwide.

Our 10000-squarefoot facility located in the heart of Bahrain, includes manufacturing unit, a large material inventory area, calibration lab and a large quality assurance area.

Gulf Scientific Glass Industry brings 5 years of experience in manufacturing 3.3 Low expansion Borosilicate glass products. It is proud of having skilled and motivated team members who are highly committed to producing quality products and implementing new development from time to time. Their "do it right the first time" attitude is matched with the company's modern equipment to produce Quality certified products. This innovative approach enables GSGI to significantly increase its efficiency and remain competitive in today's ever-changing marketplace.



We at **Gulf Scientific Glass Industry WLL**, strive to provide our customers with high-quality laboratory solution mainly in the area of scientific laboratory glassware and equipment. Having immense experience in this field, **GSGI** along with our partners worldwide, have been manufacturing all types of Laboratory glassware as well as glass pilot plant for process and laboratory equipment. We have strong distribution network across middle east and USA.

**GSGI** range of glass products include a full range of glass components such as Beakers, Bottles, Flasks, Vials, Volumetric ware as well as various specialty glass. The glass component is manufactured generally to ASTM E438, Type 1 standards for 33 coefficient expansion, borosilicate glass, known for its low thermal expansion, excellent shock resistance and chemical durability.

At **GSGI**, we provide the widest range of glassware and our capabilities extended for beyond that to the lab equipment market with products such as Shakers, Mixers, Stirrer, Hot plates and other Bench top instruments.

**GSGI** provide products to the Industrial, Clinical and Academic markets including schools, Universities, Research Labs, Petroleum Companies, Pharmaceutical, Life Science and Diagnostic centers throughout the world.

Please contact us and our engineers for your custom needs.

# MANUFACTURING FACILITY



Located in the heart of Bahrain our production facility is equipped to manufacture Beakers, Bottles, Interchangeable Glassware, Volumetric and Customized Glassware.

Our Facility also caters to specific requirements of Pharmaceutical and Industrial houses for Glass Reactors, Jacketed Vessel and large scale Distillation Units.



All GSGI Glassware pass through Annealing Lehr Furnance under controlled heating and cooling process which eliminates the stresses developed during the manufacturing stages



**ISO Certificate**



**Individual Calibration Certificate**



**GSGI** performs the calibration process for Volumetric Glassware 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 **GSGI** Volumetric products.

**GSGI** has an in-house set-up of a well-equipped temperature-controlled calibration laboratory with precision electronic balances, thermometers and stopwatches. 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

- Filling the Volumetric blanks with a precisely-defined amount of de-mineralized water under controlled temperature.
- The meniscus is determined with a 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.
- Cylinders, Burettes and Pipettes are marked at a minimum of two calibration points.
- The wet surface area factor is always taken into account, throughout the process.
- The working temperature in our calibration laboratory is maintained at  $22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ .

All Volumetric Products is calibrated either as **To Contain (TC/In)** or **To Deliver (TD/Ex)**



## Glass Ware

GSGI Laboratory Glassware is manufactured using USP type 1 Borosilicate Glass Tubing. 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.

It is also referred as Type 3.3 low thermal expansion Borosilicate glass. It's typical chemical composition is given below.

	Approx. % of weight
Si O <sub>2</sub>	81
B <sub>2</sub> O <sub>3</sub>	13
Na <sub>2</sub> O/K <sub>2</sub> O	4
Al <sub>2</sub> O <sub>3</sub>	2

It is virtually free of the Magnesia- Lime-Zinc group, and is also completely free of arsenic and other heavy material.

### **Thermal Properties**

Borosilicate glass has a low co-efficient of thermal expansion. Consequently, the thermal stresses under a given temperature gradient are also low. This glass can withstand higher temperature gradients and also sudden temperature changes or thermal shocks. Minute scratching on the glass surface can however reduces its thermal resistance.

Strain point should be regarded as the minimum safe operating temperature for Glassware when heated above 500 degree, the glass may acquire permanent stresses on cooling.

All GSGI laboratory Glassware is annealed in Lehr furnace and monitored continuously to ensure minimal or no stresses in the products.

Thermal properties of GSGI Glassware are as below:

Co- efficient of Linear Expansion	32.5 x 10 <sup>-7</sup> / °C
Strain Point	515 °C
Annealing Point	565 °C
Softening Point	820 °C
Specific Heat	0.2
Thermal Conductivity (Cal /cm <sup>3</sup> / °C/ sec.)	0.0027
Density	2.23 g/cm <sup>3</sup>

### **Chemical Durability**

GSGI Laboratory Glassware is highly resistant to water, neutral and acid solutions, concentrated acids and their mixtures, as well as to chlorine, bromine, iodine and organic substances. Even During an extended period of reaction and at temperatures above 100°C, its chemical resistance exceeds that of most metals and other materials. It can withstand repeated dry and wet sterilization without surface deterioration and subsequent contamination. The resistance to attack by various chemicals is shown below. Only hydrofluoric acid, very hot phosphoric acid and alkaline solutions may damage the glass surface with rising concentration and temperature.

Contact with Chemical	Duration in hr.	Loss in Wt mg/m <sup>2</sup>
Water distilled at 100 °C	6	10
Water Vapour Stem at 121 °C	1	75
Acid HCl	6	100
80% H <sub>2</sub> SO <sub>4</sub> at 130 °C	12	140
Alkali –1N soln. of Na <sub>2</sub> CO <sub>3</sub> boiling	6	4000
Infusion Fluids Isotonic NaCl (0.85%) 121 °C	2 <sup>1</sup> / <sub>2</sub>	70
Glucose (5%)	2 <sup>1</sup> / <sub>2</sub>	50

### Cleaning

The GSGI laboratory Glassware can be cleaned either manually or in a laboratory dish washer using usual cleaning and disinfecting agents. It is recommended to wash the glass before the first use.

Laboratory Glassware which came into contact with Infectious substances should be cleaned and sterilized with hot air or steam. In this way, burning-on of impurities and damaging of glass by possibly adhered chemicals is prevented.

#### # Manual Cleaning

- 1) Laboratory glassware should be wiped and washed with a cloth or a sponge using a cleaning solution.
- 2) Do not use abrasive washing agents as they can scratch the glass.
- 3) Avoid extended exposition to alkaline media at temperature above 70° C as printing can be destroyed.

#### # Washing in dish washers

- 1) Washing of Glassware in dish washers is more considerate than manual cleaning. The Glass gets into contact with a cleaning solution for a relatively short time only during the phase of rinsing when the solutions are sprayed on the glass surface.
- 2) When inserting the glassware into a dish washer care should be taken to prevent mutual impacts.

#### Safety Instructions for user

- 1) Never expose the GSGI laboratory Glassware to sudden changes in temperature. Prevent taking hot glassware out of a drier and putting it on a cold or wet laboratory table. The warning is particularly applicable to a thick-walled glassware such as suction flask or desiccators.
- 2) Before each evacuation or pressure stress of glass flasks, make visual inspection of a faultless state (for heavy scratches, impacts, etc.). Damaged glass flasks must not be used for works under pressure or vacuum.
- 3) The Laboratory glassware under pressure or vacuum should be handled with care (e.g. with suction flasks, desiccators).
- 4) To prevent developing stress in the glass do not heat up glass flasks under vacuum or pressure from one side or with an open flame.
- 5) Do not expose the glassware to sudden changes in pressure.
- 6) The laboratory glassware with flat bottom (e.g. Erlenmeyer flasks, flasks with flat bottom) should not be exposed to pressure stress



## Plastic Ware Physical Properties

Resin	Max Use Temp ° C	Brittleness Temp ° C	Transparency	Sterilization					Specific Gravity	Flexibility	Water Absorption %
				Auto-Claving	Gas	Dry heat	Radiation	Disinfectant			
				121°, 15 PSI for 20 min	Ethylene Oxide, Formaldehyde	160° for 120 min	Gamma irradiated at 2.5 mrad with instabilized plastic	Formalin, Ethanol etc			
HDPE	120	-100	Translucent	No	Yes	No	Yes	Yes	0.95	Rigid	<0.01
LDPE	80	-100	Translucent	No	Yes	No	Yes	Yes	0.92	Excel	<0.01
PC	135	-135	Clear	Yes +	Yes	No	No	Yes	1.2	Rigid	0.35
PMMA	50	20	Clear	No	Yes	No	Yes	Some	1.2	Rigid	0.3
PP	135	0	Translucent	Yes	Yes	No	No	Yes	0.9	Rigid	<0.02
PS	90	20	Clear	No	Yes	No	Yes	Some	1.05	Rigid	0.05
PSF	165	-10	Clear	Yes	Yes	Yes +	Yes	Yes	1.24	Rigid	0.3
PTFE	270	-200	Opaque	Yes	Yes	Yes	No	Yes	2.17	Excel	<0.01
PVDF	110	-62	Translucent	Yes	Yes	No	No	Yes	1.75	Rigid	0.05
TPX*	175	20	Clear	Yes	Yes	Yes +	No	Yes	0.83	Rigid	<0.01

### Resin Code

HDPE  
 LDPE  
 PC  
 PMMA  
 PP  
 PS  
 PSF  
 PTFE  
 PVDF  
 TPX\*

High-density polyethylene  
 Low-density polyethylene  
 Polycarbonate  
 Polymethyl methacrylate  
 Polypropylene  
 Polystyrene  
 Polysulfone  
 Polytetrafluoroethylene  
 Polyvinylidene fluoride  
 Polymethylpentene

Classes of Substances at Room Temperature	HDPE	LDPE	PC	PMMA	PP	PS	PSF	PTFE	PVDF	TPX*
Acids, Dilute or Weak	1	1	1	2	1	1	1	1	1	1
Acids, Strong and concentrated	1	1	4	4	1	3	2	1	1	1
Alcohols, Aliphatic	1	1	2	4	1	1	2	1	1	1
Aldehydes	2	2	3	2	2	4	3	1	1	2
Bases	1	1	4	3	1	1	1	1	1	1
Esters	2	2	4	4	2	4	4	1	2	2
Hydrocarbons, Aliphatic	2	3	3	2	2	4	2	1	1	3
Hydrocarbons, Aromatic	2	3	4	4	3	4	4	1	1	3
Hydrocarbons, Halogenated	3	4	4	4	3	4	4	1	4	4
Ketones	2	2	4	4	2	4	4	1	4	3
Oxidizing Agents, Strong	3	3	4	4	3	4	2	1	2	3

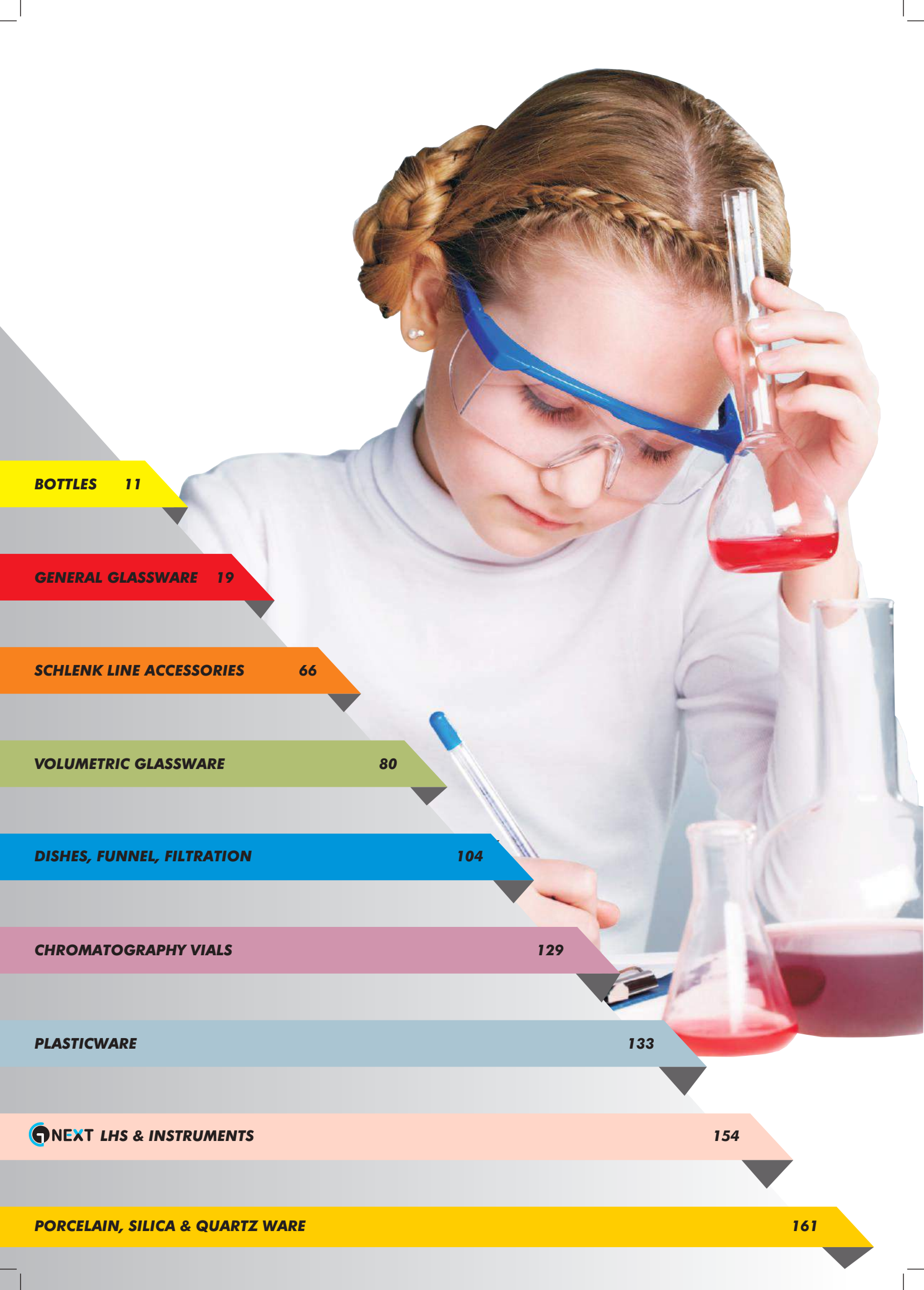
## Chemical Resistance Classification

1 = 30 days of constant exposure cause no damage. Plastic may even tolerate for years.

2 = Little or no damage after 30 days of constant exposure to the reagent.

3 = Some effect after 7 days of constant exposure to the reagent like crazing, cracking, loss of strength or Discoloration.

4 = Not for continuous use. Immediate damage may occur.



**BOTTLES 11**

**GENERAL GLASSWARE 19**

**SCHLENK LINE ACCESSORIES 66**

**VOLUMETRIC GLASSWARE 80**

**DISHES, FUNNEL, FILTRATION 104**

**CHROMATOGRAPHY VIALS 129**

**PLASTICWARE 133**

** NEXT LHS & INSTRUMENTS 154**

**PORCELAIN, SILICA & QUARTZ WARE 161**

## BT10000 - Bottles, Reagent, Wide Mouth Graduated with Polypropylene Screw Cap and Pouring Ring

- Complies with IS 1388 (Part I), ISO/DIN 4796 (Part I)
- All sizes have durable matt-finished enameled area for marking
- These bottles are mechanically strong and chemically inert
- Designed with pouring ring for drip free operation
- Pouring rings and screw caps can be sterilized and autoclavable
- Caps and Pouring rings are available in different colors, Also available in Red color high temperature (200°C). Please see BT10106 for more information

Cat. No.	Capacity mL	Aprox. O.D. x Height mm	Thread Specification	Pack Size
BT10000016	50	46 x 87	GL-32	10
BT10000018	100	56 x 100	GL-45	10
BT10000022	250	70 x 138	GL-45	10
BT10000025	500	86 x 176	GL-45	10
BT10000028	1000	101 x 225	GL-45	10
BT10000029	2000	136 x 260	GL-45	10
BT10000031	5000	183 x 323	GL-45	1
BT10000032	10000	235 x 405	GL-45	1
BT10000033	20000	296 x 500	GL-45	1



**Note:-** \*Height Indicated is of Bottle only.

## BT10010 - Bottles, Reagent, Wide Mouth Graduated with Polypropylene Screw Cap and Pouring Ring, Amber

- Complies with IS 1388 (Part I), ISO/DIN 4796 (Part I)
- All sizes have durable matt-finished enameled area for marking
- These bottles are mechanically strong and chemically inert
- Ideal for storage of light sensitive materials
- Designed with pouring ring for drip free operation
- Pouring rings and screw caps can be sterilized and autoclavable
- Caps and Pouring rings are available in different colors, Also available in Red color high temperature (200°C). Please see BT10106 for more information

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Thread Specification	Pack Size
BT10010016	50	46 x 87	GL-32	10
BT10010018	100	56 x 100	GL-45	10
BT10010020	150	60 x 120	GL-45	10
BT10010022	250	70 x 138	GL-45	10
BT10010025	500	86 x 176	GL-45	10
BT10010028	1000	101 x 225	GL-45	10
BT10010029	2000	136 x 220	GL-45	10
BT10010031	5000	183 x 323	GL-45	1
BT10010032	10000	235 x 405	GL-45	1
BT10010033	20000	296 x 500	GL-45	1



**Note:-** \*Height Indicated is of Bottle only.

## BT10020 - Bottles, Aspirator, With GL-45 Polypropylene Screw Cap and Interchangeable Stopcock

- Complies with IS 1388 (Part III), ISO/DIN 4796 (Part III)
- All sizes have a durable matt-finished enameled area for marking
- These bottles are mechanically strong and chemically inert
- Pouring rings and screw caps can be sterilized and autoclavable
- Dosing of liquid via stopcock

Cat. No.	Capacity mL	Approx. O.D. x Height	Outlet Ground Joint Size	Pack Size
BT10020028	1000	101 x 225	24/29	2
BT10020029	2000	136 x 260	29/32	2
BT10020031	5000	183 x 323	29/32	1
BT10020032	10000	235 x 405	29/32	1
BT10020033	20000	296 x 500	34/35	1



## BT10030 - Bottles, Reagent, Plain Narrow Mouth, Graduated with Interchangeable Glass Stopper.

- Complies with IS 1388 (Part II), ISO/DIN 4796 (Part II)
- All sizes have durable matt-finished enameled area for marking
- These bottles are mechanically strong and chemically inert
- Supplied with glass stopper

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Stopper Size	Pack Size
BT10030017	60*	45 x 100	14/23	10
BT10030018	100	56 x 105	19/26	10
BT10030019	125*	56 x 120	19/26	10
BT10030022	250	70 x 120	19/26	10
BT10030025	500	86 x 180	24/29	10
BT10030028	1000	100 x 230	29/32	10
BT10030029	2000	136 x 255	29/32	10

**Note:-** \*60mL & 125mL bottle not covered under standard Height Indicated is of Bottle only.



## BT10040 - Bottles, Reagent, Plain Narrow Mouth, Graduated with Interchangeable Glass Stopper, Amber.

- Complies with IS 1388 (Part II), ISO/DIN 4796 (Part II)
- All sizes have durable matt-finished enameled area for marking
- These bottles are mechanically strong and chemically inert
- Supplied with solid glass stopper

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Stopper Size	Pack Size
BT10040017	60*	45 x 100	14/23	10
BT10040018	100	56 x 105	19/26	10
BT10040019	125*	56 x 120	19/26	10
BT10040022	250	70 x 120	19/26	10
BT10040025	500	86 x 180	24/29	10
BT10040028	1000	100 x 230	29/32	10
BT10040029	2000	136 x 255	29/32	10

**Note:-** \*60mL & 125mL bottle not covered under standard  
Height Indicated is of Bottle only.



## BT10050 - Bottles, Relative Density, with Capillary Bore Interchangeable Glass Stopper

- Complies with IS 5717, ISO/DIN 3507, Gay Lussac type
- All sizes have durable matt-finished enameled area for marking
- These bottles are mechanically strong and chemically inert
- Comes with calibration certificate

Cat. No.	Capacity mL	Capacity Tolerance mL	Approx. O.D. x Height mm	Pack Size
BT10050010	10	1.0	29 x 48	4
BT10050012	20*	2.0	40 x 55	4
BT10050013	25	2.0	40 x 55	4
BT10050016	50	3.0	50 x 65	4
BT10050018	100	3.0	57 x 90	4

**Note:-** \*20mL bottle not covered under standard  
Height Indicated is of Bottle only.



## BT10060 - Bottles, Specific Gravity with Thermometer (Pyknometer)

- Complies with IS 5717, ISO/DIN 3507
- All sizes have durable matt-finished enameled area for marking
- These bottles are mechanically strong and chemically inert

Cat. No.	Capacity mL	Pack Size
BT10060010	10	4
BT10060013	25	4
BT10060016	50	4

**Note:-** \* Height Indicated is of Bottle only.



## BT10070 - Bottles, Weighing, Interchangeable Stopper

- Complies with DIN 12605
- These bottles are mechanically strong and chemically inert
- Choice of squat and tall form bottles
- Lightweight construction with ground glass stoppers
- Can be supplied in **Amber** color upon request

Cat. No.	Capacity mL	Approx. OD x Height mm	Form	Pack Size
BT10070012	20	50 x 30	Squat	4
BT10070112	20	30 x 50	Tall	4
BT10070013	25	30 x 60	Tall	4
BT10070015	40	35 x 70	Tall	4
BT10070017	60	40 x 80	Squat	4
BT10070018	100	50 x 80	Tall	4



## BT10080 - Bottles, BOD with Interchangeable Stopper and Plastic Cap

- Used for determination of B.O.D in industrial effluents, waste and water.
- Ideal for incubating diluted samples of sewage, sewage effluents, polluted waters and industrial waste for BOD analysis
- Features a specially designed bottle shoulder radius that sweeps all air from inside the bottle during filling
- Bottles have a flared mouth to form a water seal around the stopper that prevents air from being drawn into the bottle during incubation
- Provided with Plastic cap to avoid vapors
- Individual number printed on bottles

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
BT10080017	60*	43 x 115	10
BT10080019	125*	55 x 120	10
BT10080023	300	70 x 143	10

**Note:-** Not Covered in any Standard

\*Height Indicated is of Bottle only.



## BT10090 - Bottles, Gas Washing (Dreschel), Complete with Interchangeable Stopper

- These bottles are mechanically strong and chemically resistant

Cat. No.	Capacity mL	Pack Size
BT10090019	125	2
BT10090022	250	2
BT10090025	500	2

\* Dip tube can be provided with Sintered disc to achieve fine bubble sizes for greater efficiency. Available in different porosity grades. Please ask for prices of sintered dip tube





## SPECIAL ATTRACTION

**CLEAR AND AMBER DROPPING BOTTLES WITH POLY-STOPPER AVAILABLE FROM 30ML - 250ML**



### BT10101 - Bottles, Dropping supplied with Glass Dropper

- Supplied with interchangeable ground joint hollow glass dropper
- These bottles are mechanically strong and chemically resistant
- Can be supplied in **Amber** color upon request

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
BT101010M1	30	35 x 84	10
BT10101017	60	42 x 100	10
BT101010M2	120	55 x 100	10
BT10101022	250	65 x 147	10

**Note:-** \*Height Indicated is of Bottle only.



### BT10102 - Bottles, Dropping with Pipette & Rubber Teat

- Made from low expansion 3.3 Borosilicate Glass
- Supplied with interchangeable ground joint transparent pipette with rubber teat

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Socket Size	Pack Size
BT101020M1	30	35 x 84	14 / 19	10
BT10102017	60	42 x 100	14 / 19	10
BT10102013	125	55 x 120	19 / 26	10
BT10102016	250	65 x 147	19 / 26	10

**Note:-** \*Height Indicated is of Bottle only.



# BOTTLES

## BT10103 - Bottles, Dropping with Pipette & Rubber Teat, Amber

- Made from low expansion 3.3 Borosilicate Glass
- Supplied with interchangeable ground joint transparent pipette with rubber teat

Cat. No.	Capacity mL	Approx O.D. x Height mm	Socket Size	Pack Size
BT101030M1	30	35 x 84	14 / 19	10
BT10103017	60	42 x 100	14 / 19	10
BT10103013	125	55 x 120	19 / 26	10
BT10103016	250	65 x 147	19 / 26	10



**Note:-** \*Height Indicated is of Bottle only.

## BT10105 - Bottles, McCartney Flat, With Aluminum Screw Cap and Rubber Liner

- Used to carry culture medium and bacterial growth can be done in these bottles
- These bottles can be sterilized with the medium present inside
- Made of neutral glass
- Bottles are autoclavable

Cat. No.	Capacity mL	Pack Size
BT10105007	7	50
BT10105011	15	50
BT101050M1	30	50
BT10105017	60	50



## BT10106 - Screw Cap and Pouring Ring, for Media Bottles

- Caps and pouring rings are made of PP and are autoclavable upto 140°C
- Red color caps are high temperature caps autoclavable upto 200°C

Cat. No.	Color	Thread Specification	Pack Size
BT10106SCG	Grey	GL-45	10
BT10106SCW	White	GL-45	10
BT10106SCO	Orange	GL-45	10
BT10106SCY	Yellow	GL-45	10
BT10106SCN	Green	GL-45	10
BT10106SCB	Blue	GL-45	10
BT10106SCR	Red	GL-45	10

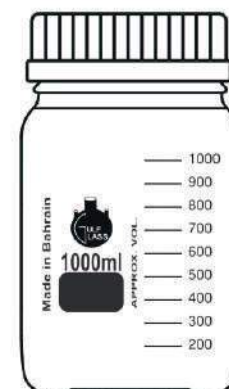


## BTS107 - Bottles Reagent Square with Din Thread, Graduated with GL-80 PP Screw Cap and Pouring Ring

Cat. No.	Capacity mL	Approx. W x B x H mm	Thread Specification	Pack Size
BTS1070025	500	94 x 94 x 141	GL-80	10
BTS1070028	1000	105 x 105 x 187	GL-80	10
BTS1070029	2000	115 x 115 x 260	GL-80	10
BTS1070031	5000	160 x 160 x 357	GL-80	1

**Note:- Amber** Color Bottles can be supplied on request

In addition to the above range of bottles manufactured in Borosilicate glass by GSGI, we take pride in announcing our new range to Stock and Sale, Type III Soda Glass bottles as required for various storage applications and widely used in Petroleum/Oil Industry. These Type III bottles are manufactured by quality manufacturers and widely accepted in all Pharma & Packaging industry. More details are given below.



## BTW108 - Bottles, Winchester Pattern Soda Glass with PP Screw Caps & Liner

Cat. No	Capacity mL	Approx. Dia. x Height mm	Thread Specification	Type	Pack Size
BTW1080025	500	78 x 188	31R6	Clear	1015
BTW1080125	500	78 x 188	31R6	Amber	1015
BTW1080028	1000	94 x 239	31R6	Clear	12
BTW1080128	1000	94 x 239	31R6	Amber	12



## BTB109 - Bottles, Boston Pattern Soda Glass with Phenolic Screw Caps & Internal PE Cone

Cat. No.	Capacity mL	Approx. Dia. x Height mm	Thread Specification	Type	Pack Size
BTB1090017	60	38 x 93	GPI 20 x 400	Clear	240
BTB1090117	60	38 x 93	GPI 20 x 400	Amber	240
BTB1090019	125	48 x 112	GPI 22 x 400	Clear	128
BTB1090119	125	48 x 112	GPI 22 x 400	Amber	128
BTB1090022	250	60 x 138	GPI 28 x 400	Clear	96
BTB1090122	250	60 x 138	GPI 28 x 400	Amber	96
BTB1080125	500	74 x 168	GPI 28 x 400	Amber	60
BTB1080128	1000	94 x 205	GPI 28 x 400	Amber	12



## BE11000 - Beakers, Griffin, Low Form, with Spout

- Complies with IS 2619, ISO 3819 and DIN 12331
- Uniform wall thickness distribution makes it ideal for heating
- Large labeling field for easier marking
- The spout design gives clean and precise pouring

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
BE11000005	5*	22 x 30	12
BE11000010	10*	26 x 35	12
BE11000013	25	34 x 50	12
BE11000016	50	42 x 60	12
BE11000018	100	50 x 70	12
BE11000020	150	60 x 80	12
BE11000022	250	70 x 95	12
BE11000024	400	80 x 110	12
BE11000025	500 <sup>#</sup>	83 x 115	6
BE11000026	600	90 x 125	6
BE11000027	800	100 x 135	6
BE11000028	1000	105 x 145	6
BE11000029	2000	130 x 185	4
BE11000030	3000	150 x 210	1
BE11000031	5000	170 x 270	1
BE11000032	10000 <sup>#</sup>	220 x 350	1

**Note :-** 5mL and 10mL Beakers are not Graduated

<sup>#</sup> 500mL & 1000mL Beakers are not covered under IS, ISO/DIN standards



## BE11010 - Beakers, Tall Form, With Spout

- Complies with IS 2619, ISO 3819 and DIN 12331
- Uniform wall thickness distribution makes it ideal for heating
- Large labeling field for easier marking
- The spout design gives clean and precise pouring

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
BE11010016	50	38 x 70	12
BE11010018	100	48 x 80	12
BE11010020	150	54 x 95	12
BE11010022	250	60 x 120	12
BE11010024	400	70 x 130	12
BE11010025	500 <sup>#</sup>	77 x 137	6
BE11010026	600	80 x 150	6
BE11010027	800	90 x 175	6
BE11010028	1000	95 x 180	6
BE11010029	2000	120 x 240	4

**Note :-** <sup>#</sup>500mL Beakers is not covered under DIN standards



## BE11020 - Beaker, Philips, Conical with Spout

- Conical Shape (Philips) pattern with spout
- Philips beaker is ideal for measuring, containment, mixing and decanting
- Mouth is smaller in diameter than its base

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
BE11020022	250	68 x 110	12
BE11020025	500	88 x 145	6



**WE ALSO HAVE GLASS BEAKER WITH HANDLE AVAILABLE UPTO 1000ML CAPACITY**



## FL12000 - Flasks, Erlenmeyer, Conical, Narrow Mouth with Beaded Rim

- Complies with IS 1381 (Part I), ISO/DIN (1773)
- Uniform wall thickness make these ideal for heating
- Suitable for mixing liquid due to conical shape
- Large labeling field and easy to read scale
- White enamel graduation

Cat. No.	Capacity mL	Approx. Neck Dia. mm	Approx. O.D. x Height mm	Pack Size
FL12000013	25	22	42 x 75	12
FL12000016	50	22	51 x 90	12
FL12000018	100	22	64 x 105	12
FL12000019	125*	28	66 x 110	12
FL12000020	150*	28	72 x 124	12
FL12000022	250	34	85 x 145	12
FL12000025	500	34	105 x 180	6
FL12000028	1000	42	131 x 220	6
FL12000029	2000	50	166 x 280	4
FL12000030	3000	50	187 x 310	1
FL12000031	5000	50	220 x 365	1



**Note:-** \*Not covered under standards

\*Can be supplied in Amber color. Please ask for prices separately.

## FL12010 - Flasks, Erlenmeyer, Conical, Wide Mouth

- Complies with ISO/DIN 24450
- Uniform wall thickness make these ideal for heating
- Suitable for mixing liquid due to conical shape
- Large labeling field and easy to read scale
- White enamel graduation

Cat. No.	Capacity mL	Approx. Neck Dia. mm	Approx. O.D. x Height mm	Pack Size
FL12010018	100	34	64 x 105	12
FL12010022	250	50	85 x 140	12
FL12010025	500	50	105 x 175	6
FL12010028	1000	50	131 x 220	6



## FL12020 - Flasks, Erlenmeyer with Interchangeable Glass Stopper

- Complies with ISO/DIN 4797
- Erlenmeyer flask comes with high quality glass stopper
- Large labeling field and easy to read scale
- White enamel graduation
- These are mechanically strong and chemically resistant

Cat. No.	Capacity mL	Joint size	Pack Size
FL12020013	25	14/23	12
FL12020016	50	19/26	12
FL12020018	100	24/29	6
FL12020022	250	24/29	6
FL12020025	500	24/29	2
FL12020028	1000	29/32	1
FL12020029	2000	29/32	1



## FL12020A - Flasks, Erlenmeyer with Interchangeable Glass Stopper as per ASTM Neck Sizes

- Erlenmeyer flask comes with high quality glass stopper
- Large labeling field and easy to read scale
- White enamel graduation
- These are mechanically strong and chemically resistant

Cat. No.	Capacity mL	Joint Size	Pack Size
FL12020013A	25	14/20	12
FL12020016A	50	19/38	12
FL12020018A	100	24/40	6
FL12020022A	250	24/40	6
FL12020025A	500	24/40	2
FL12020028A	1000	29/42	1
FL12020029A	2000	29/42	1



## FL12030 - Flasks, Iodine

- Used in determination of Iodine
- Flask has ground socket with cup shaped top
- Stopper has extended handle which projects well above the liquid seal
- Large labeling field for marking

Cat. No.	Capacity mL	Joint Size	Pack Size
FL12030022	250	24/29	6
FL12020025	500	24/29	2



# FLASKS

## FL12030A - Flasks, Iodine as per ASTM Neck Sizes

- Used in determination of Iodine
- Flask has ground socket with cup shaped top
- Stopper has extended handle which projects well above the liquid seal
- Large labeling field for marking

Cat. No.	Capacity mL	Joint size	Pack Size
FL12030022A	250	24/40	6
FL12030025A	500	24/40	2



## FL12040 - Flasks, Boiling, Flat Bottom, Narrow Neck with Beaded Rim

- Complies with IS 1381 (Part I), ISO/DIN 1773
- Uniform wall thickness make these ideal for heating
- Large labeling field and easy to read scale
- These are mechanically strong and chemically resistant

Cat. No.	Capacity mL	Approx Neck Dia. mm	Approx. O.D. x Height mm	Pack Size
FL12040016	50	26	51 x 90	6
FL12040018	100	26	64 x 105	6
FL12040022	250	34	85 x 138	6
FL12040025	500	34	105 x 163	6
FL12040028	1000	42	131 x 190	4
FL12040029	2000	50	166 x 230	1
FL12040030	3000 <sup>#</sup>	50	186 x 300	1
FL12040031	5000 <sup>#</sup>	60	233 x 345	1
FL12040032	10000	65	279 x 380	1
FL12040033	20000 <sup>#</sup>	75	350 x 505	1



**Note:-** <sup>#</sup>Not covered under standards

## FL12050 - Flasks, Conical with Screw Cap

Cat. No.	Capacity mL	Neck Specification	Pack Size
FL12050018	100	GL-25	6
FL12050022	250	GL-45	6
FL12050025	500	GL-45	2
FL12050028	1000	GL-45	1
FL12050029	2000	GL-45	1





## FL12060 - Flasks, Boiling, Round Bottom, Narrow Neck with Beaded Rim

- Complies with IS 1381 (Part I), ISO/DIN 1773
- Uniform wall thickness make these ideal for heating
- Large labeling field and easy to read scale

Cat. No.	Capacity mL	Approx. Neck Dia. mm	Approx. O.D. x Height mm	Pack Size
FL12060016	50	26	51 x 95	12
FL12060018	100	26	64 x 110	12
FL12060022	250	34	85 x 143	12
FL12060025	500	34	105 x 168	6
FL12060028	1000	42	131 x 200	1
FL12060029	2000	50	166 x 240	1
FL12060030	3000 <sup>#</sup>	50	190 x 305	1
FL12060031	5000 <sup>#</sup>	60	225 x 350	1
FL12060032	10000	65	279 x 380	1

**Note:-** <sup>#</sup>Not covered under standards



## FL12080 - Flasks, Boiling, Flat Bottom, Single Neck, With Interchangeable Joints

- Smooth Grinding surface to avoid leakage
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating

Cat. No.	Capacity mL	Joint Size	Approx. Height mm	Pack Size
FL12080120	150	14/23	115	6
FL12080220	150	19/26	115	6
FL12080320	150	24/29	115	6
FL12080420	150	29/32	115	6
FL12080122	250	19/26	130	6
FL12080222	250	24/29	130	6
FL12080322	250	29/32	130	6
FL12080422	250	34/35	130	6
FL12080125	500	19/26	160	2
FL12080225	500	24/29	160	2
FL12080325	500	29/32	160	2
FL12080425	500	34/35	160	2
FL12080128	1000	19/26	288	2
FL12080228	1000	24/29	288	2
FL12080328	1000	29/32	288	2
FL12080428	1000	34/35	288	2
FL12080129	2000	24/29	321	1
FL12080229	2000	29/32	321	1
FL12080329	2000	34/35	321	1
FL12080130	3000	24/29	345	1
FL12080230	3000	29/32	345	1
FL12080131	5000	24/29	381	1
FL12080231	5000	29/32	381	1
FL12080331	5000	34/35	381	1



## FL12080A - Flasks, Boiling, Flat Bottom, Single Neck with joint sizes as per ASTM.

- Smooth Grinding surface to avoid leakage.
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating

Cat. No.	Capacity mL	Approx. Height mm	Joint Size	Pack Size
FL12080120A	150	115	19/38	6
FL12080220A	150	115	24/40	6
FL12080122A	250	130	19/38	6
FL12080222A	250	130	24/40	6
FL12080322A	250	130	29/42	6
FL12080125A	500	160	19/38	2
FL12080225A	500	160	24/40	2
FL12080325A	500	160	29/42	2
FL12080128A	1000	288	19/38	2
FL12080228A	1000	288	24/40	2
FL12080328A	1000	288	29/42	2
FL12080428A	1000	288	34/40	2
FL12080129A	2000	321	24/40	1
FL12080229A	2000	321	29/42	1
FL12080130A	3000	345	24/40	1
FL12080230A	3000	345	34/40	1
FL12080131A	5000	381	29/42	1
FL12080231A	5000	381	34/40	1
FL12080331A	5000	381	45/50	1



## FL12090 - Flasks, Boiling, Round Bottom, Single Neck, With Interchangeable joint

- Smooth Grinding surface to avoid leakage.
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating

Cat. No.	Capacity mL	Approx. Height mm	Joint Size	Pack Size
FL12090116	50	95	14/23	6
FL12090216	50	95	19/26	6
FL12090316	50	95	24/29	6
FL12090416	50	95	29/32	6
FL12090118	100	120	19/26	6
FL12090218	100	120	24/29	6
FL12090318	100	120	29/32	6
FL12090418	100	120	34/35	6
FL12090122	250	140	19/26	6
FL12090222	250	140	24/29	6
FL12090322	250	140	29/32	6
FL12090422	250	140	34/35	6
FL12090125	500	170	19/26	2
FL12090225	500	170	24/29	2
FL12090325	500	170	29/32	2
FL12090425	500	170	34/35	2
FL12090128	1000	210	24/29	2
FL12090228	1000	210	29/32	2
FL12090328	1000	210	34/35	2
FL12090129	2000	240	24/29	1
FL12090229	2000	240	29/32	1
FL12090329	2000	240	34/35	1
FL12090131	5000	300	45/40	1



## FL12090A - Flasks, Boiling, Round Bottom, Single Neck with Joint Sizes as per ASTM

- Smooth Grinding surface to avoid leakage.
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating

Cat. No.	Capacity mL	Approx. Height mm	Joint Size	Pack Size
FL12090116A	50	95	19/38	6
FL12090216A	50	95	24/40	6
FL12090118A	100	120	19/38	6
FL12090218A	100	120	24/40	6
FL12090318A	100	120	29/42	6
FL12090122A	250	140	19/38	6
FL12090222A	250	140	24/40	6
FL12090322A	250	140	29/42	6
FL12090125A	500	170	19/38	2
FL12090225A	500	170	24/40	2
FL12090325A	500	170	29/42	2
FL12090128A	1000	210	24/40	2
FL12090228A	1000	210	29/42	2
FL12090328A	1000	210	34/40	2
FL12090129A	2000	240	24/40	1
FL12090229A	2000	240	29/42	1
FL12090131A	5000	300	45/50	1



## FL12100 - Flasks, Round Bottom, Two Neck, Centre Neck and One Angled Side Neck, with Interchangeable joint

Cat. No.	Capacity mL	Centre Neck	Side Neck	Pack Size
FL12100116	50	24/29	14/23	4
FL12100216	50	24/29	19/26	4
FL12100118	100	14/23	14/23	4
FL12100218	100	24/29	14/23	4
FL12100318	100	24/29	19/26	4
FL12100122	250	14/23	14/23	4
FL12100222	250	24/29	14/23	4
FL12100322	250	24/29	19/26	4
FL12100125	500	24/29	14/23	2
FL12100225	500	24/29	19/26	2
FL12100325	500	29/32	14/23	2
FL12100128	1000	24/29	14/23	1
FL12100228	1000	24/29	19/26	1
FL12100328	1000	29/32	14/23	1
FL12100129	2000	34/35	19/26	1
FL12100131	5000	45/40	24/29	1



**Note:-** \*Customized neck sizes can be provided as per customer request

\*The above flasks can also be provided with Parallel Side neck. Please ask for prices separately.

## FL12100A - Flasks, Round Bottom, Two Neck, Center Neck and One Angled Side Neck, with Interchangeable Joint as per ASTM Neck Sizes

- Smooth Grinding surface to avoid leakage.
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating

Cat. No.	Capacity mL	Centre Neck	Side Neck	Pack Size
FL12100116A	50	24/40	14/20	4
FL12100216A	100	24/40	14/20	4
FL12100316A	100	24/40	19/38	4
FL12100416A	100	29/42	14/20	4
FL12100122A	250	24/40	14/20	4
FL12100222A	250	24/40	19/38	4
FL12100322A	250	29/42	14/20	4
FL12100125A	500	24/40	14/20	2
FL12100225A	500	24/40	19/38	2
FL12100325A	500	29/42	14/20	2
FL12100128A	1000	24/40	14/20	1
FL12100228A	1000	24/40	19/38	1
FL12100328A	1000	29/42	14/20	1
FL12100129A	2000	34/40	19/38	1
FL12100131A	5000	45/50	19/38	1



**Note:-** \*The above flasks can also be provided with Parallel Side neck. Please ask for prices separately.

## FL12110 - Flasks, Round Bottom, Three Neck, Centre Neck and Two Angled Side Neck, With Interchangeable Joints

- Used in Distillation and Extraction processes
- All three side necks are inclined at an angle of 20° to the vertical neck
- Two side necks are 180° apart
- Smooth Grinding surface to avoid leakage
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating
- Neck size can be customized as per customer request

Cat. No	Capacity mL	Center Neck	Side Neck	Side Neck	Pack Size
FL12110118	100	19/26	14/23	14/23	4
FL12110218	100	24/29	14/23	14/23	4
FL12110318	100	24/29	19/26	19/26	4
FL12110418	100	29/32	14/23	14/23	4
FL12110122	250	19/26	19/26	19/26	4
FL12110222	250	24/29	14/23	14/23	4
FL12110322	250	24/29	19/26	19/26	4
FL12110422	250	29/32	14/23	14/23	4
FL12110522	250	29/32	19/26	19/26	4
FL12110622	250	29/32	29/32	29/32	4
FL12110125	500	24/29	14/23	14/23	1
FL12110225	500	24/29	19/26	19/26	1
FL12110325	500	29/32	14/23	14/23	1
FL12110425	500	29/32	19/26	19/26	1
FL12110525	500	29/32	29/32	29/32	1
FL12110128	1000	24/29	14/23	14/23	1
FL12110228	1000	24/29	19/26	19/26	1
FL12110328	1000	29/32	14/23	14/23	1
FL12110428	1000	29/32	19/26	19/26	1
FL12110528	1000	29/32	29/32	29/32	1
FL12110129	2000	24/29	19/26	19/26	1
FL12110229	2000	34/35	19/26	19/26	1
FL12110130	3000	34/35	19/26	19/26	1
FL12110131	5000	45/40	29/32	24/29	1



## FL12110A - Flasks Round Bottom, Three Neck, Centre Neck and Two Angled Side Neck, With Interchangeable Joints as per ASTM Neck Sizes

- Used in Distillation and Extraction processes
- All three side necks are inclined at an angle of 20° to the vertical neck
- Two side necks are 180° apart
- Smooth Grinding surface to avoid leakage
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating
- Neck size can be customized as per customer request

Cat. No.	Capacity mL	Center Neck	Side Neck	Side Neck	Pack Size
FL12110118A	100	19/38	14/20	14/20	4
FL12110218A	100	24/40	14/20	14/20	4
FL12110318A	100	24/40	19/38	19/38	4
FL12110418A	100	29/42	14/20	14/20	4
FL12110518A	100	24/40	24/40	24/40	4
FL12110122A	250	19/38	19/38	19/38	4
FL12110222A	250	24/40	14/20	14/20	4
FL12110322A	250	24/40	19/38	19/38	4
FL12110422A	250	24/40	24/40	24/40	4
FL12110522A	250	29/42	19/38	19/38	4
FL12110125A	500	24/40	14/20	14/20	1
FL12110225A	500	24/40	19/38	19/38	1
FL12110325A	500	29/42	14/20	14/20	1
FL12110425A	500	29/42	29/42	29/42	1
FL12110128A	1000	24/40	14/20	14/20	1
FL12110228A	1000	24/40	19/38	19/38	1
FL12110328A	1000	24/40	24/40	24/40	1
FL12110428A	1000	29/42	14/20	14/20	1
FL12110528A	1000	29/42	19/38	19/38	1
FL12110628A	1000	29/42	29/42	29/42	1
FL12110129A	2000	24/40	19/38	19/38	1
FL12110229A	2000	34/40	19/38	19/38	1
FL12110329A	2000	29/42	24/40	24/40	1
FL12110429A	2000	24/40	24/40	24/40	1
FL12110130A	3000	34/40	19/38	19/38	1
FL12110230A	3000	29/42	24/40	24/40	1
FL12110330A	3000	29/42	29/42	29/42	1
FL12110131A	5000	45/40	29/42	29/42	1



## FL12120 - Flasks, Boiling, Round Bottom, Three Necks, Centre Neck and Two Parallel Side Neck, With Interchangeable Joints

- Used in Distillation and Extraction processes
- Two side necks are 180° apart
- Smooth Grinding surface to avoid leakage
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating
- Neck size can be customized as per customer request

Cat. No	Capacity mL	Center Neck	Side Neck	Side Neck	Pack Size
FL12120122	250	24/29	19/26	19/26	4
FL12120222	250	29/32	14/23	14/23	4
FL12120322	250	29/32	29/32	29/32	4
FL12120125	500	24/29	19/26	19/26	1
FL12120225	500	29/32	14/23	14/23	1
FL12120325	500	29/32	19/26	19/26	1
FL12120425	500	29/32	29/32	29/32	1
FL12120128	1000	24/29	19/26	19/26	1
FL12120228	1000	29/32	14/23	14/23	1
FL12120328	1000	29/32	24/29	24/29	1
FL12120428	1000	29/32	29/32	29/32	1
FL12120129	2000	24/29	19/26	19/26	1
FL12120229	2000	29/32	19/26	19/26	1
FL12120329	2000	29/32	29/32	29/32	1
FL12120429	2000	34/35	19/26	19/26	1
FL12120529	2000	34/35	24/29	24/29	1
FL12120629	2000	45/40	29/32	29/32	1
FL12120130	3000	34/35	19/26	19/26	1
FL12120230	3000	34/35	24/29	24/29	1
FL12120131	5000	34/35	24/29	24/29	1
FL12120231	5000	45/40	24/29	24/29	1



**Note:-** \*Four neck flasks can be provided on request



## FL12120A - Flasks, Boiling, Round Bottom, Three Necks, Centre Neck and Two Parallel Side Neck, With Interchangeable Joints as per ASTM Neck Sizes

- Used in Distillation and Extraction processes
- Two side necks are 180° apart
- Smooth Grinding surface to avoid leakage
- These are mechanically strong and chemically resistant
- Uniform wall thickness make these ideal for heating
- Neck size can be customized as per customer request

Cat. No.	Capacity mL	Center Neck	Side Neck	Side Neck	Pack Size
FL12120122A	250	24/40	14/20	14/20	4
FL12120222A	250	24/40	19/38	19/38	4
FL12120322A	250	29/42	14/20	14/20	4
FL12120322A	250	24/40	24/40	24/40	4
FL12120125A	500	24/40	14/20	14/20	1
FL12120225A	500	24/40	19/38	19/38	1
FL12120325A	500	24/40	24/40	24/40	1
FL12120425A	500	29/42	14/20	14/20	1
FL12120525A	500	29/42	19/38	19/38	1
FL12120625A	500	29/42	29/42	29/42	1
FL12120128A	1000	24/40	14/20	14/20	1
FL12120228A	1000	24/40	19/38	19/38	1
FL12120328A	1000	29/42	14/20	14/20	1
FL12120428A	1000	29/42	24/40	24/40	1
FL12120528A	1000	29/42	29/42	29/42	1
FL12120129A	2000	24/40	19/38	19/38	1
FL12120229A	2000	29/42	19/38	19/38	1
FL12120329A	2000	29/42	29/42	29/42	1
FL12120429A	2000	34/40	19/38	19/38	1
FL12120130A	3000	29/42	29/42	29/42	1
FL12120230A	3000	34/40	29/42	29/42	1
FL12120330A	3000	34/40	24/40	24/40	1
FL12120131A	5000	34/40	24/40	24/40	1
FL12120231A	5000	34/40	29/42	29/42	1
FL12120331A	5000	45/40	29/42	29/42	1



**Note:-** \*Four neck flasks can be provided on request

## FL12130 - Flasks, Pear Shape, Short Neck With Interchangeable Joints

- Used in Semi micro distillation
- Comes with high quality Ground Socket
- Pear shaped design allows distillation for smaller quantities
- These are mechanically strong and chemically resistant
- Neck size can be customized as per customer request

Cat. No.	Capacity mL	Neck Size	Pack Size
FL12130105	5	10/19	4
FL12130205	5	14/23	4
FL12130110	10	10/19	4
FL12130210	10	14/23	4
FL12130113	25	10/19	4
FL12130213	25	14/23	4
FL12130116	50	14/23	4
FL12130216	50	19/26	4
FL12130118	100	14/23	4
FL12130218	100	19/26	4
FL12130318	100	24/29	4



## FL12130A - Flasks, Pear Shape, Single Neck as per ASTM Neck Sizes

- Used in Semi micro distillation
- Comes with high quality Ground Socket
- Pear shaped design allows distillation for smaller quantities
- These are mechanically strong and chemically resistant
- Neck size can be customized as per customer request

Cat. No.	Capacity mL	Neck Size	Pack Size
FL12130005A	5	14/20	4
FL12130010A	10	14/20	4
FL12130013A	25	14/20	4
FL12130116A	50	14/20	4
FL12130216A	50	19/38	4
FL12130316A	50	24/40	4
FL12130118A	100	14/20	4
FL12130218A	100	19/38	4
FL12130318A	100	24/40	4



## FL12140 - Flasks, Evaporation, Suitable For Rotary Evaporators With Ground Joints

- Ideal for use with Rotary evaporators
- Facilitates extraction of key components like oil, therapeutic drugs, natural extracts and fragrance
- Ideal for heating sensitive solvent solute combinations
- Large surface area gives rapid evaporation
- Easy removal of residue due to its unique shape

Cat. No.	Capacity mL	Neck Size	Pack Size
FL12140116	50	29/32	2
FL12140118	100	24/29	2
FL12140218	100	29/32	2
FL12140122	250	24/29	2
FL12140222	250	29/32	2
FL12140125	500	24/29	2
FL12140225	500	29/32	2
FL12140128	1000	24/29	2
FL12140228	1000	29/32	2
FL12140129	2000	24/29	2
FL12140229	2000	29/32	2



## FL12140A - Flasks, Evaporation, Suitable For Rotary Evaporators With Ground Joint as per ASTM Sizes

- Ideal for use with Rotary evaporators
- Facilitates extraction of key components like oil, therapeutic drugs, natural extracts and fragrance
- Ideal for heating sensitive solvent solute combinations
- Large surface area gives rapid evaporation
- Easy removal of residue due to its unique shape

Cat. No.	Capacity mL	Neck Size	Pack Size
FL12140116A	50	29/42	2
FL12140118A	100	24/40	2
FL12140218A	100	29/42	2
FL12140122A	250	24/40	2
FL12140222A	250	29/42	2
FL12140125A	500	24/40	2
FL12140225A	500	29/42	2
FL12140325A	500	24/40	2
FL12140128A	1000	29/42	2
FL12140228A	1000	24/40	2
FL12140129A	2000	29/42	2
FL12140229A	2000	24/40	2



# FLASKS

## FL12150 - Flasks, Kjeldahl Ground Joint, Long Neck,

- Ideal for determination of nitrogen/protein
- Withstands high temperature
- Comes with high quality Ground Socket

Cat. No.	Capacity mL	Neck Size	Pack Size
FL12150116	50	19/26	2
FL12150118	100	19/26	2
FL12150218	100	24/29	2
FL12150123	300	24/29	2
FL12150125	500	24/29	4
FL12150127	800	24/29	4

**Note:-** \*ASTM Neck sizes can be supplied on request



## FL12151 - Flasks, Kjeldahl, Long Neck

- Ideal for determination of nitrogen/protein
- Withstands high temperature

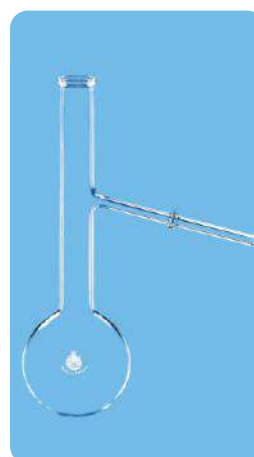
Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
FL12151118	100	61 x 210	2
FL12151123	300	80 x 298	2
FL12151125	500	100 x 325	4
FL12151127	800	113 x 375	4



## FL12160 - Flasks, Distillation, with Side Tube.

- Side arm is inclined at 75° to the vertical axis
- Side arm length is 140 cm
- Used for general distillation work

Cat. No.	Capacity mL	Neck O.D. mm	Approx. O.D. x Height mm	Pack Size
FL12160018	100	21	60 x 215	4
FL12160019	125	21	70 x 215	4
FL12160022	250	25	85 x 226	4
FL12160025	500	28	105 x 240	2
FL12160028	1000	31	130 x 305	1



## FL12160A - Flasks, Distillation, with Side Tube and Interchangeable Joints as per ASTM D-86

- Side arm is inclined at 75° to the vertical axis
- Side arm length is 140 cm
- Used for general distillation work

Cat. No.	Capacity mL	Neck O.D. mm	Approx. O.D. x Height mm	Pack Size
FL12160019A	125	19	70 x 218	4



## FL12170 - Flasks, Filtering, with Tubulation

- Buchner type flask for vacuum filtration
- Heavy wall thickness gives increased mechanical strength
- Glass side arm to accept 8 - 10mm bore flexible tubing

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
FL12170016	50	52 x 86	6
FL12170018	100	64 x 108	6
FL12170022	250	85 x 155	6
FL12170025	500	105 x 184	6
FL12170028	1000	136 x 227	6
FL12170029	2000	168 x 270	2
FL12170031	5000	237 x 390	1



## FL12170BOT - Flasks, Filtering, With Tubulation

- Bottle Shape, Heavy wall flasks for Vacuum use
- Heavy wall thickness gives increased mechanical strength
- Glass side arm to accept 11 mm bore flexible tubing

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
FL12170030BOT	3000	170 x 295	1
FL12170031BOT	5000	185 x 360	1



## AD12500 - Arsenic Determination Apparatus As Per BP

Cat. No.	Pack Size
AD12500BP1	1



## AD12510 - Arsenic Determination Apparatus As Per USP

Cat. No.	Pack Size
AD12510US1	1



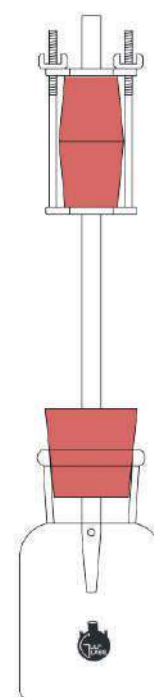
## AD12530 - Arsenic Determination Apparatus As Per IS

Cat. No.	Pack Size
AD12530IS1	1



## AD12540 - Arsenic Determination Apparatus As Per IP

Cat. No.	Pack Size
AD12540IP1	1

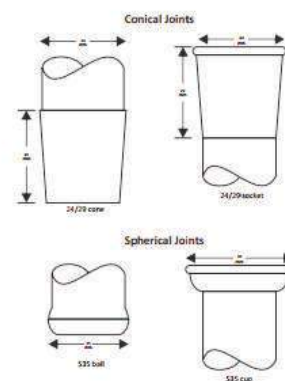


# ADAPTERS

Our Wide range of adapters includes connecting adapters, reducing and enlarging adapters, thermometer and tubing adapters and vacuum adapters.

- We provide a well-rounded offering for all of our customers needs.

Size	Actual Dia. of Wide End mm	Actual Dia. of Narrow End mm	Nominal Length of Engagement
10/19	10.0	8.1	19
12/21	12.5	10.4	21
14/23	14.5	12.2	23
19/26	18.8	16.2	26
24/29	24.0	21.1	29
29/32	29.2	26.0	32
34/35	34.5	31.0	35
40/38	40.0	36.2	38
45/40	45.0	41.0	40
50/42	50.0	45.8	42
55/44	55.0	50.6	44



## AA13000 - Sockets, Single Neck

- In compliance with ISO 383/DIN 12249.
- Smooth Grinding surface to avoid leakage.

Cat. No.	Joint Size	Tube O.D. mm	Min. Length mm	Pack Size
AA13000107	7/16	10	100	4
AA13000110	10/19	13	100	4
AA13000112	12/21	16	100	4
AA13000114	14/23	18	100	4
AA13000119	19/26	22	100	4
AA13000124	24/29	28	100	4
AA13000129	29/32	32	100	4
AA13000134	34/35	38	100	4
AA13000140 <sup>#</sup>	40/38	45	100	4
AA13000145	45/40	50	100	4
AA13000150 <sup>#</sup>	50/42	55	100	4
AA13000155 <sup>#</sup>	55/44	60	100	4



**Note:-** <sup>#</sup>Not covered under standard



**AA13010 - Cones, Single Neck**

- In compliance with ISO 383/DIN 12249.
- Smooth Grinding surface to avoid leakage.

Cat. No.	Joint Size	Tube O.D. mm	Min. Length mm	Pack Size
AA13010107	7/16	6	90	4
AA13010110	10/19	8	90	4
AA13010112	12/21	11	90	4
AA13010114	14/23	13	90	4
AA13010119	19/26	17	90	4
AA13010124	24/29	22	90	4
AA13010129	29/32	26	90	4
AA13010134	34/35	30	90	4
AA13010140 <sup>#</sup>	40/38	36	90	4
AA13010145	45/40	40	90	4
AA13010150 <sup>#</sup>	50/42	45	90	4
AA13010155 <sup>#</sup>	55/44	50	90	4



**Note:-** <sup>#</sup>Not covered under standard

**AA13020 - Cones, Single With Drip Tip**

- In Compliance with ISO 383/DIN 12249.
- Smooth Grinding surface to avoid leakage

Cat. No.	Joint size	Tube O.D. mm	Min. Length mm	Pack Size
AA13020107	7/16	6	90	4
AA13020110	10/19	8	90	4
AA13020112	12/21	11	90	4
AA13020114	14/23	13	90	4
AA13020119	19/26	17	90	4
AA13020124	24/29	22	90	4
AA13020129	29/32	26	90	4
AA13020134	34/35	30	90	4
AA13020140 <sup>#</sup>	40/38	36	90	4
AA13020145	45/40	40	90	4
AA13020150 <sup>#</sup>	50/42	45	90	4
AA13020155 <sup>#</sup>	55/44	50	90	4



**Note:-** <sup>#</sup>Not covered under standard

# ADAPTERS

DIN

## AA13030 - Adapters, Socket at both Ends

- In compliance with ISO 383/DIN 12249.
- Smooth Grinding surface to avoid leakage

Cat. No.	Joint size	Tube O.D. mm	Min. Length mm	Pack Size
AA13030107	7/16	11	120	4
AA13030110	10/19	14	120	4
AA13030114	14/23	18	120	4
AA13030119	19/26	22	120	4
AA13030124	24/29	28	150	4
AA13030129	29/32	32	150	4
AA13030134	34/35	38	150	4



ASTM

## AA13030A - Adapters, Socket at Both Ends

- Smooth Grinding surface to avoid leakage

Cat. No.	Joint Size	Min. Length mm	Pack Size
AA13030114A	14/20	100	4
AA13030119A	19/38	100	4
AA13030124A	24/40	125	4
AA13030129A	29/42	125	4
AA13030134A	34/40	140	4

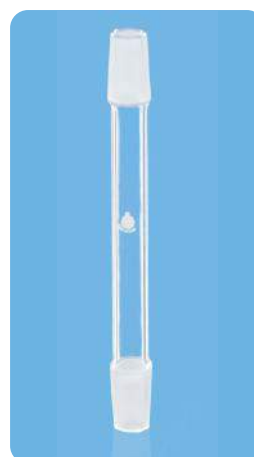


DIN

## AA13040 - Adapters, Cones at Both Ends

- In compliance with ISO 383/DIN 12249
- Smooth Grinding surface to avoid leakage

Cat. No.	Joint Size	Min. Length mm	Pack Size
AA13040110	10/19	100	4
AA13040114	14/23	100	4
AA13040119	19/26	125	4
AA13040124	24/29	125	4
AA13040129	29/32	125	4
AA13040134	34/35	125	4



ASTM

## AA13040A - Adapters, Cones at Both Ends

- Smooth Grinding surface to avoid leakage

Cat. No.	Joint size	Min. Length mm.	Pack Size
AA13040114A	14/20	100	4
AA13040119A	19/38	100	4
AA13040124A	24/40	125	4
AA13040129A	29/42	125	4
AA13040134A	34/40	125	4



## AA13050 - Adapters Spherical Joint Ball And Cup, With Metal Clip

Cat. No.	Joint size	Min. Length mm	Pack Size
AA13050113	S13	200	4
AA13050119	S19	200	4
AA13050129	S29	200	4
AA13050135	S35	200	4
AA13050141	S41	200	4



DIN

## AA13060 - Adapters, Reducing, With Interchangeable Joints

- In compliance with DIN 12257
- Smooth Grinding surface to avoid leakage

Cat. No.	Socket Size	Cone Size	Pack Size
AA13060112 <sup>#</sup>	12/21	14/23	4
AA13060114	14/23	19/26	4
AA13060214 <sup>#</sup>	14/23	24/29	4
AA13060314	14/23	29/32	4
AA13060119	19/26	24/29	4
AA13060219	19/26	29/32	4
AA13060319	19/26	34/35	4
AA13060124 <sup>#</sup>	24/29	29/32	4
AA13060224 <sup>#</sup>	24/29	34/35	4
AA13060324 <sup>#</sup>	24/29	45/40	4
AA13060129	29/32	34/35	4
AA13060229	29/32	45/40	4
AA13060134 <sup>#</sup>	34/35	45/40	4



**Note:-** <sup>#</sup>Not covered under standard

ASTM

## AA13060A - Adapters, Reducing, With Interchangeable Joints

- Smooth Grinding surface to avoid leakage

Cat. No.	Socket Size	Cone Size	Pack Size
AA13060114A	14/20	19/38	4
AA13060214A	14/20	24/40	4
AA13060314A	14/20	29/42	4
AA13060119A	19/38	24/40	4
AA13060219A	19/38	29/42	4
AA13060319A	19/38	34/45	4
AA13060124A	24/40	29/42	4
AA13060224A	24/40	34/45	4
AA13060129A	29/42	34/45	4
AA13060229A	29/42	40/50	4



DIN

## AA13070 - Adapters, Enlarging, With Interchangeable Joints

- In compliance with DIN 12257
- Smooth Grinding surface to avoid leakage

Cat. No.	Socket Size	Cone Size	Pack Size
AA13070119	19/26	14/23	4
AA13070124 <sup>#</sup>	24/29	14/23	4
AA13070224 <sup>#</sup>	24/29	19/26	4
AA13070129	29/32	14/23	4
AA13070229	29/32	19/26	4
AA13070329 <sup>#</sup>	29/32	24/29	4
AA13070134 <sup>#</sup>	34/35	19/26	4
AA13070234 <sup>#</sup>	34/35	24/29	4
AA13070334 <sup>#</sup>	34/35	29/32	4
AA13070140 <sup>#</sup>	40/38	24/29	4
AA13070145 <sup>#</sup>	45/40	29/32	4



**Note:** - <sup>#</sup>Not covered under standard

ASTM

## AA13070A - Adapters, Enlarging, With Interchangeable Joints

- Smooth Grinding surface to avoid leakage

Cat. No.	Socket Size	Cone Size	Pack Size
AA13070119A	19/38	14/20	4
AA13070124A	24/40	14/20	4
AA13070224A	24/40	19/38	4
AA13070129A	29/42	14/35	4
AA13070229A	29/42	19/38	4
AA13070329A	29/42	24/40	4
AA13070234A	34/45	24/40	4
AA13070334A	34/45	29/42	4



DIN

## AA13080 - Adapters, Claisen, Two Neck

- In compliance with DIN 12954
- Smooth Grinding surface to avoid leakage
- With Thermometer Joint of 14/23

Cat. No.	Socket Size	Cone Size	Pack Size
AA13080114	14/23	14/23	4
AA13080214 <sup>#</sup>	14/23	19/26	4
AA13080119	19/26	19/26	4
AA13080219 <sup>#</sup>	19/26	24/29	4
AA13080319 <sup>#</sup>	19/26	34/35	4
AA13080124 <sup>#</sup>	24/29	24/29	4
AA13080129	29/32	29/32	4

**Note:** - <sup>#</sup>Not covered under standard



ASTM

## AA13080A - Adapters, Claisen, Two Neck

- Smooth Grinding surface to avoid leakage
- With Thermometer Joint of 14/20

Cat. No.	Socket Size	Cone Size	Pack Size
AA13080114A	14/20	14/20	4
AA13080214A	14/20	19/38	4
AA13080119A	19/38	19/38	4
AA13080219A	19/38	24/40	4
AA13080319A	19/38	34/40	4
AA13080124A	24/40	24/40	4
AA13080129A	29/42	29/42	4



**DIN**

## AA13090 - Adapters, Angled, Claisen

- Smooth Grinding surface to avoid leakage
- Angle at 45°C

Cat. No.	Socket Size	Cone Size	Pack Size
AA13090114	14/23	14/23	4
AA13090214	14/23	19/26	4
AA13090314	14/23	24/29	4
AA13090414	14/23	29/32	4
AA13090119	19/26	19/26	4
AA13090219	19/26	24/29	4
AA13090129	29/32	29/32	4

**Note:-** Three neck available on request.



**ASTM**

## AA13090A - Adapters, Angled, Claisen

- Smooth Grinding surface to avoid leakage
- Angle at 45°C

Cat. No.	Socket Size	Cone Size	Pack Size
AA13090114A	14/20	14/20	4
AA13090119A	19/38	14/20	4
AA13090219A	19/38	19/38	4
AA13090124A	24/40	14/20	4
AA13090224A	24/40	19/38	4
AA13090324A	24/40	24/40	4
AA13090129A	29/42	14/20	4
AA13090229A	29/42	24/40	4
AA13090329A	29/42	29/42	4



**DIN**

## AA13100 - Adapters, Straight Tube End

Cat. No.	Socket Size	Pack Size
AA13100114	14/23	4
AA13100119	19/26	4
AA13100124	24/29	4
AA13100129	29/32	4



ASTM

## AA13100A - Adapters, Staright Tube End

Cat.No.	Socket Size	Pack Size
AA13100114A	14/20	4
AA13100119A	19/38	4
AA13100124A	24/40	4
AA13100129A	29/42	4



DIN

## AA13110 - Adapters, Bent with Vent Tube

Cat. No.	Socket Size	Cone Size	Pack Size
AA13110114	14/23	14/23	4
AA13110119	19/26	19/26	4
AA13110219	19/26	24/29	4
AA13110124	24/29	24/29	4
AA13110129	29/32	29/32	4



ASTM

## AA13110A - Adapters, Bent with Vent Tube

Cat. No.	Socket Size	Cone Size	Pack Size
AA13110114A	14/20	14/20	4
AA13110119A	19/38	19/38	4
AA13110219A	19/38	24/40	4
AA13110124A	24/40	24/40	4
AA13110129A	29/42	29/42	4



DIN

## AA13120 - Adapters, Receiver, Straight Vacuum

Cat. No.	Socket Size	Cone Size	Pack Size
AA13120114	14/23	14/23	4
AA13120214	14/23	19/26	4
AA13120119	19/26	19/26	4
AA13120219	19/26	24/29	4
AA13120124	24/29	24/29	4
AA13120224	24/29	29/32	4
AA13120129	29/32	29/32	4



ASTM

## AA13120A - Adapters, Receiver, Straight Vacuum

Cat. No.	Socket Size	Cone Size	Pack Size
AA13120114A	14/20	14/20	4
AA13120214A	14/20	19/38	4
AA13120119A	19/38	19/38	4
AA13120219A	19/38	24/40	4
AA13120124A	24/40	24/40	4
AA13120224A	24/40	29/42	4
AA13120129A	29/42	29/42	4



DIN

## AA13130 - Adapters, Receiver, Bend Vacuum

Cat. No.	Socket Size	Cone Size	Pack Size
AA13130114	14/23	14/23	4
AA13130214	14/23	19/26	4
AA13130119	19/26	19/26	4
AA13130219	19/26	24/29	4
AA13130124	24/29	24/29	4
AA13130224	24/29	29/32	4
AA13130129	29/32	29/32	4





ASTM

## AA13130A - Adapters, Receiver, Bend Vacuum

Cat. No.	Socket Size	Cone Size	Pack Size
AA13130114A	14/20	14/20	4
AA13130119A	19/38	19/38	4
AA13130219A	19/38	24/40	4
AA13130124A	24/40	24/40	4
AA13130224A	24/40	29/42	4
AA13130129A	29/42	29/42	4



DIN

## AA13140 - Adapters, Receiver, Angled Side Joints

Cat. No.	Socket Size	Cone Size	Pack Size
AA13140114	14/23	14/23	4
AA13140119	19/26	19/26	4
AA13140219	19/26	24/29	4
AA13140124	24/29	24/29	4
AA13140129	29/32	29/32	4



ASTM

## AA13140A - Adapters, Receiver, Angled Side Joints

Cat. No.	Socket Size	Cone Size	Pack Size
AA13140114A	14/20	14/20	4
AA13140119A	19/38	19/38	4
AA13140219A	19/38	24/40	4
AA13140124A	24/40	24/40	4
AA13140129A	29/42	29/42	4



DIN

## AA13150 - Adapters, Bent with Drip Trip Bottom

Cat. No.	Socket Size	Cone Size	Pack Size
AA13150114	14/23	14/23	4
AA13150214	14/23	19/26	4
AA13150119	19/26	19/26	4
AA13150219	19/26	24/29	4
AA13150124	24/29	24/29	4
AA13150129	29/32	29/32	4



ASTM

## AA13150A - Adapters, Bent with Drip Trip Bottom

Cat. No.	Socket Size	Cone Size	Pack Size
AA13150114A	14/20	14/20	4
AA13150214A	14/20	19/38	4
AA13150119A	19/38	19/38	4
AA13150219A	19/38	24/40	4
AA13150124A	24/40	24/40	4
AA13150129A	29/42	29/42	4



DIN

## AA13160 - Adapters, Recovery, Bent

Cat. No.	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13160114	14/23	14/23	4
AA13160119	19/26	19/26	4
AA13160124	24/29	14/23	4
AA13160224	24/29	19/26	4
AA13160324	24/29	24/29	4
AA13160129	29/32	19/26	4
AA13160229	29/32	24/29	4
AA13160329	29/32	29/32	4
AA13160134	34/35	24/29	4
AA13160234	34/35	34/35	4



ASTM

**AA13160A - Adapters, Recovery, Bent**

Cat. No.	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13160114A	14/20	14/20	4
AA13160119A	19/38	19/38	4
AA13160124A	24/40	24/40	4
AA13160129A	29/42	29/42	4
AA13160134A	34/40	34/40	4



DIN

**AA13170 - Adapters, Connecting, Parallel Joints**

- Length between joints 250 mm

Cat. No.	Cone Size	Cone Size	Pack Size
AA13170114	14/23	14/23	4
AA13170119	19/26	19/26	4
AA13170124	24/29	19/26	4
AA13170224	24/29	24/29	4
AA13170129	29/32	29/32	4



ASTM

**AA13170A - Adapters, Connecting, Parallel Joints**

- Length between joints 250 mm

Cat. No.	Cone Size	Cone Size	Pack Size
AA13170114A	14/20	14/20	4
AA13170119A	19/38	19/38	4
AA13170124A	24/40	24/40	4
AA13170129A	29/42	29/42	4



DIN

## AA13180 - Adapters, Still Head With Top Thermometer Joints

Cat. No.	Socket Size	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13180114	14/23	14/23	14/23	4
AA13180214	14/23	19/26	19/26	4
AA13180314	14/23	24/29	19/26	4
AA13180414	14/23	24/29	24/29	4
AA13180514	14/23	29/32	19/26	4
AA13180614	14/23	29/32	29/32	4
AA13180714	14/23	34/35	19/26	4
AA13180814	14/23	34/35	24/29	4
AA13180914	14/23	34/35	29/32	4



ASTM

## AA13180A - Adapters, Still Head With Top Thermometer Joints

Cat. No.	Socket Size	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13180114A	14/20	14/20	14/20	4
AA13180119A	14/20	19/38	19/38	4
AA13180124A	14/20	24/40	24/40	4
AA13180129A	14/20	29/42	29/42	4



DIN

## AA13190 - Adapters, Claisen, Multiple Joints

Cat. No.	Centre Socket Size	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13190114	14/23	14/23	14/23	4
AA13190214	14/23	19/26	19/26	4
AA13190314	14/23	24/29	19/26	4
AA13190414	14/23	24/29	24/29	4
AA13190514	14/23	29/32	29/32	4
AA13190614	14/23	34/35	24/29	4



ASTM

**AA13190A - Adapters, Claisen, Multiple Joints**

Cat. No.	Centre Socket Size	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13190114A	14/20	14/20	14/20	4
AA13190119A	19/38	19/38	19/38	4
AA13190124A	24/40	24/40	24/40	4
AA13190129A	29/42	29/42	29/42	4

**AA13200 - Splash Heads, Pear Shape, Vertical**

Cat. No.	Cone Size to Flask	Socket Size to Condenser	Pack Size
AA13200114	14/23	14/23	4
AA13200119	19/26	24/29	4
AA13200129	29/32	29/32	4

**AA13210 - Splash Heads, Pear Shape, Parallel**

Cat. No.	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13210114	14/23	14/23	4
AA13210119	19/26	19/26	4
AA13210124	24/29	19/26	4
AA13210224	24/29	24/29	4
AA13210129	29/32	29/32	4



## AA13220 - Splash Heads, Pear Shape, Sloping

Cat. No.	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13220114	14/23	14/23	4
AA13220119	19/26	19/26	4
AA13220124	24/29	19/26	4
AA13220224	24/29	24/29	4
AA13220129	29/32	29/32	4



## AA13230 - Steam Distillation Heads, Sloping

Cat. No.	Cone Size to Flask	Cone Size to Condenser	Pack Size
AA13230124	24/29	19/26	4
AA13230134	34/35	19/26	4
AA13230234	34/35	24/29	4



## AA13240 - Adaptors, Cone to Tubing, Straight, With PTFE Stopcock

Cat. No.	Cone Size	Pack Size
AA13240114	14/23	4
AA13240119	19/26	4
AA13240124	24/29	4
AA13240129	29/32	4

**Note:-** Available in Rota flow and Glass also.



ASTM

**AA13240A - Adaptors, Cone to Tubing, Straight, With PTFE Stopcock**

Cat. No.	Cone Size	Pack Size
AA13240114A	14/20	4
AA13240119A	19/38	4
AA13240124A	24/40	4
AA13240129A	29/42	4

**Note:** - Available in Rota flow and Glass also.

DIN

**AA13250 - Adaptors- Cone to Tubing, Bend, With PTFE Stopcock**

Cat. No.	Cone Size	Pack Size
AA13250114	14/23	4
AA13250119	19/26	4
AA13250124	24/29	4
AA13250129	29/32	4

**Note:** - Available in Rota flow and Glass also.

ASTM

**AA13250A - Adaptors, Cone to Tubing, Bend, With PTFE Stopcock**

Cat. No.	Cone Size	Pack Size
AA13250114A	14/20	4
AA13250119A	19/38	4
AA13250124A	24/40	4
AA13250129A	29/42	4

**Note:** - Available in Rota flow and Glass also.

**DIN**

## AA13260 - Adapters, Cone to Hose Barb, Straight End

Cat. No.	Cone Size	Hose Barb	Pack Size
AA13260114	14/23	1/4"	4
AA13260119	19/26	1/4"	4
AA13260124	24/29	1/2"	4
AA13260129	29/32	1/2"	4



**ASTM**

## AA13260A - Adapters, Cone to Hose Barb, Straight End

Cat. No.	Cone Size	Hose Barb	Pack Size
AA13260114A	14/20	1/4"	4
AA13260119A	19/38	1/4"	4
AA13260124A	24/40	1/2"	4
AA13260129A	29/42	1/2"	4



**DIN**

## AA13270 - Adapters, Cone to Hose Barb, Bent End

Cat. No.	Cone Size	Pack Size
AA13270114	14/23	4
AA13270119	19/26	4
AA13270124	24/29	4
AA13270129	29/32	4





ASTM

**AA13270A - Adapters, Cone to Hose Barb, Bent End**

Cat. No.	Cone Size	Pack Size
AA13270114A	14/20	4
AA13270119A	19/38	4
AA13270124A	24/40	4
AA13270129A	29/42	4



DIN

**AA13280 - Adapters, Cone Long Stem With Tubulation**

Cat. No.	Cone Size	Lower Stem Length	Pack Size
AA13280114	14/23	50	4
AA13280119	19/26	75	4
AA13280124	24/29	100	4
AA13280129	29/32	100	4



ASTM

**AA13280A - Adapters, Cone Long Stem with Tubulation**

Cat. No.	Cone Size	Lower Stem Length	Pack Size
AA13280114A	14/20	50	4
AA13280119A	19/38	75	4
AA13280124A	24/40	100	4
AA13280129A	29/42	100	4



DIN

## AA13290 - Adapters, Socket to Hose Barb, with PTFE Stopcock

Cat. No.	Socket Size	Hose Barb	Pack Size
Aa13290114	14/23	1/2"	4
AA13290119	19/26	1/2"	4
AA13290124	24/29	1/2"	4
AA13290129	29/32	1/2"	4



ASTM

## AA13290A - Adapters, Socket to Hose Barb

Cat. No.	Socket Size	Hose Barb	Pack Size
AA13290114A	14/20	1/4"	4
AA13290119A	19/38	1/2"	4
AA13290124A	24/40	1/4"	4
AA13290224A	24/40	1/2"	4
AA13290129A	29/42	1/2"	4



## AA13300 - Adapters, Socket to Cone with Tubulation

Cat. No.	Cone Size to Flask	Socket Size to Condenser	Pack Size
AA13300114	14/23	14/23	4
AA13300214	14/23	19/26	4
AA13300314	14/23	24/29	4
AA13300414	14/23	29/32	4
AA13300119	19/26	19/26	4
AA13300219	19/26	24/29	4
AA13300319	19/26	29/32	4
AA13300124	24/29	24/29	4
AA13300224	24/29	29/32	4
AA13300129	29/32	29/32	4



ASTM

**AA13300A - Adapters, Socket to Cone with Tubulation**

Cat. No.	Cone Size to Flask	Socket Size to Condenser	Pack Size
AA13300114A	14/20	14/20	4
AA13300214A	14/20	19/38	4
AA13300314A	14/20	24/40	4
AA13300119A	19/38	19/38	4
AA13300124A	24/40	24/40	4
AA13300129A	29/42	29/42	4



DIN

**AA13400 - Adapters, Receiver Delivery Short Stem**

Cat. No.	Socket Size	Approx. Length mm	Pack Size
AA13400114	14/23	65	4
AA13400119	19/26	65	4
AA13400124	24/29	65	4
AA13400129	29/32	65	4



ASTM

**AA13400A - Adapters, Receiver Delivery Short Stem**

Cat. No.	Socket Size	Approx. Length mm	Pack Size
AA13400114A	14/20	65	4
AA13400119A	19/38	65	4
AA13400124A	24/40	65	4
AA13400129A	29/42	65	4



DIN

## AA13410 - Adapters, Receiver Delivery Long Stem

Cat. No.	Socket Size	Approx. Length mm	Pack Size
AA13410114	14/23	200	4
AA13410119	19/26	200	4
AA13410124	24/29	200	4
AA13410129	29/32	200	4



ASTM

## AA13410A - Adapters, Receiver Delivery Long Stem

Cat. No.	Socket Size	Approx. Length mm	Pack Size
AA13410114A	14/20	200	4
AA13410119A	19/38	200	4
AA13410124A	24/40	200	4
AA13410129A	29/42	200	4



## AA13420 - Adapters, U Tube

Cat. No.	Socket Size	Pack Size
AA13420114	14/23	4
AA13420119	19/26	4



**AA13430 - Adapters, Drying Tube**

Cat. No.	Cone Size	Pack Size
AA13430114	14/20	4
AA13430119	19/26	4
AA13430124	24/29	4
AA13430129	29/32	4

**AA13440- Adapters, Thermometer Pocket, Long**

Cat. No.	Cone Size	Pack Size
AA13440114	14/23	4
AA13440119	19/26	4



**Note:-** \*Available in ASTM cone sizes

**AA13450- Adapters, Thermometer Pocket, Short**

Cat. No.	Cone Size	Pack Size
AA13450114	14/23	4
AA13450119	19/26	4



**Note:-** \*Available in ASTM cone sizes

## AA13460 - Adapters, Air Leak Tube (Gas Inlet Tube)

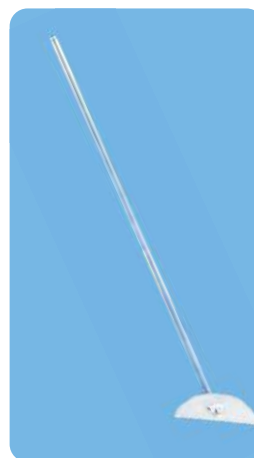
Cat. No.	Cone Size	Pack Size
AA13460114	14/23	4
AA13460119	19/26	4
AA13460124	24/29	4
AA13460129	29/32	4



## AA13470 - Teflon Bladed Stirrer, Removable from Stirrer Shaft

- Made from 3.3 borosilicate glass
- Used in synthetic Laboratory

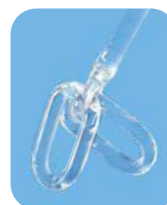
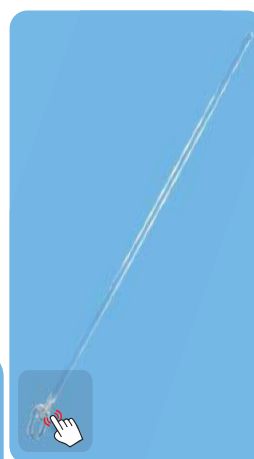
Cat. No.	Approx. Shaft Dia. mm	Total Length mm	Stirrer Pass Through	Blade Width mm	Pack Size
AA13470119	6	450	19/26	52	4
AA13470124	6	450	24/29	76	4
AA13470224	8	450	24/29	76	4
AA13470129	8	450	29/32	100	4
AA13470134	10	600	34/35	100	4
AA13470234	10	450	34/35	125	4
AA13470150	10	450	50/42	150	4



## AA13480 - Link Stirrers

- Made from 3.3 borosilicate glass

Cat. No.	Approx. Shaft Dia. mm	Total Length mm	Stirrer Pass Through	Blade Width mm	Pack Size
AA13480124	6	450	24/29	75	4
AA13480224	6	600	24/29	75	4



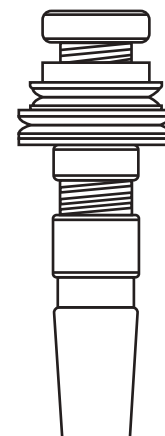
**AA13500 - Adapters, Mercury Seal Glands**

Cat. No.	To Fit Stirrer Shaft mm	Cone Size	Pack Size
AA13500119	6	19/26	4
AA13500124	6	24/29	4
AA13500134	6	34/35	4
AA13500224	8	24/29	4
AA13500234	8	34/35	4

**Note:-** \*Mercury Seal Glands are also available in Teflon (PTFE)

**AA13510 - Adapters, Stuffing Box Glands with Pulley, PTFE**

Cat. No.	To Fit Stirrer mm	Cone Size	Pack Size
AA13510119	6	19/26	4
AA13510124	6	24/29	4
AA13510134	8	34/35	4
AA13510224	10	40/38	4
AA13510234	10	50/42	4

**AA13520 - Adapters, Simple Glands with Cap, PTFE**

Cat. No.	To Fit Stirrer mm	Cone Size	Pack Size
AA13520014	6	14/23	4
AA13520019	6	19/26	4
AA13520024	6	24/29	4

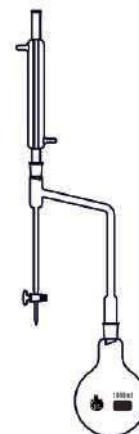


## DA14000 - Distilling Apparatus, Dean and Stark, Moisture Test

- It is used for determination of the moisture content
- Comes with borosilicate graduated receiver tube
- Receiver is fitted with Glass stopcock for easy drainage
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

Cat. No.	Receiver mL	RB Flask mL	Liebig Condenser mm	Pack Size
DA14000005	5	500	200	1
DA14000010	10	1000	200	1
DA14000013	25	2000	300	1

**Note:-** \*Available in PTFE/Boroflow stopcock



## DA14010 - Essential Oil Determination Apparatus (Clevenger Apparatus) for Oil Lighter than Water

- Used for determination of the water content in the petroleum products
- For use with solvent entrainers which are lighter than water
- Comes with borosilicate graduated receiver tube
- Receiver is fitted with Glass stopcock for easy drainage
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

Cat. No.	Receiver mL	RB Flask mL	Pack Size
DA14010005	5	1000	1

**Note:-** \*Available in PTFE/Boroflow stopcock



## DA14020 - Essential Oil Determination Apparatus (Clevenger Apparatus) for Oil Heavier than Water

- Used for determination of the water content in the petroleum products
- For use with solvent entrainers which are heavier than water
- Comes with borosilicate graduated receiver tube
- Receiver is fitted with Glass stopcock for easy drainage
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

Cat. No.	Receiver mL	RB Flask mL	Pack Size
DA14020005	5	1000	1

**Note:-** \*Available in PTFE/Boroflow stopcock

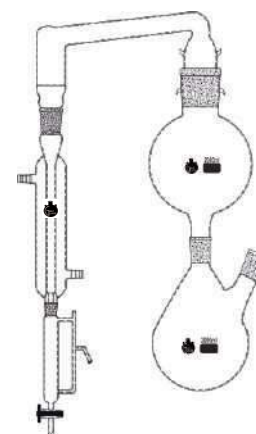




## DA14030 - Essential Oil Steam Distillation Apparatus Kit, Graham Condenser

- Designed for easy steam extraction of essential oils from plants material by chemists/non-chemists at home/laboratories
- Offers true "Dry Steam" distillation
- Consists of 2000 mL two neck boiling flask, 2000 mL filling flask, Still head, Liebig condenser, Separating funnel with PTFE valve
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

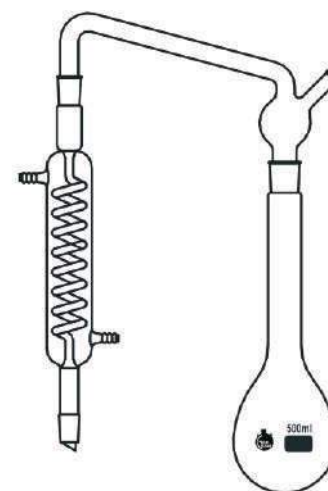
Cat. No.	Capacity mL	Pack Size
DA140300029	2000 mL Complete	1 Set



## DA14040 - Kjeldahl Distillation Unit

- Used for determination of Nitrogen by Kjeldahl method
- Flask can be used alone during digestion and later can be connected to the rest of the assembly for distillation procedure
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

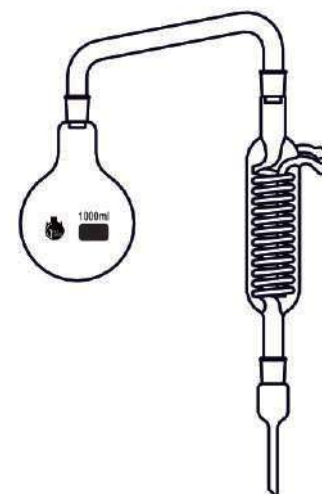
Cat. No.	Capacity mL	Pack Size
DA14040027	800 mL Complete Set	1



## DA14050 - Alcohol Distillation Apparatus

- Ideal for distilling alcohol to its purest grade
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

Cat. No.	Capacity mL	Pack Size
DA14050028	1000 mL Complete Set	1



## DA14060 - Cyanide Distillation Apparatus

- Ideal for testing soluble and insoluble cyanides in water
- Consists of Two neck RB Flask, Cold Finger condenser, Condenser jacket, Dispersion tube, distillation trap tube & inlet tube
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

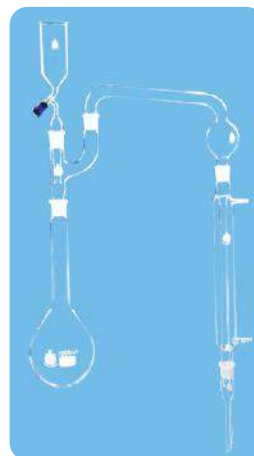
Cat. No.	Capacity mL	Pack Size
DA14060028	1000 mL Complete Set	1



## DA14070 - TKN Distillation Apparatus

- Total Kjeldahl nitrogen is used to determine organic nitrogen in drinking, ground and surface water.
- It is also used for determination of organic nitrogen in domestic and industrial slug and biosolids.
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

Cat. No.	Capacity mL	Pack Size
DA14070025	500 mL Complete Set	1



## EX15000 - Extraction Apparatus, Soxhlet, Complete with Allihn Condenser, Interchangeable Joints

- Complies with IS 10640
- This method enables effective separation of the extract with relatively small quantities of solvent
- Greater surface area owing to series of bulbs, resulting in higher cooling capacity
- Ideal for Laboratory scale refluxing
- Supplied with accessories such as Retort Stand, Keck Clips, Clamps & Bossheads

Cat. No.	Extractor Capacity mL	Flask Capacity mL	Socket Size	Cone Size	Pack Size
EX15000015	40	100	29/32	24/29	1
EX15000017	60	100	34/35	24/29	1
EX15000018	100	250	34/35	24/29	1
EX15000021	200	500	50/42	24/29	1
EX15000025	500	2000	50/42	24/29	1
EX15000028	1000	3000	55/44	34/35	1
EX15000029	2000	5000	55/44	34/35	1



**Note:-** \*Spares for the above assembly can be supplied upon request

## Schlenk Line Accessories

Schlenk lines or vacuum lines are used for manipulating air and water sensitive materials without the use of an inert atmosphere glove box.

Vacuum lines usually connect to the experimental apparatus with joints, which provide a better seal and vacuum than the simple rubber pressure tubing connections used on Schlenk lines.

Manipulations involving the measurement or condensation of gases are usually performed on a high vacuum line. Operations involving cannulas and counter flow techniques are usually performed on Schlenk lines.

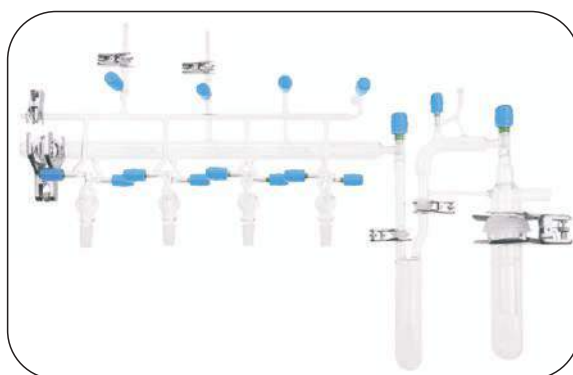
A Schlenk or high vacuum line consists of a glass manifold that has several stopcocks, valves or openings in addition to a connection to a vacuum source (typically a mechanical and /or diffusion pump). Having several ports on the line is convenient because several flasks or reaction vessels may be used simultaneously. These lines may be of a dual or single manifold design.

In a **Single manifold** design, the manifold's main purpose is for vacuum.

A **Dual Manifold** design provides one manifold for vacuum and another for nitrogen or a reactant gas. A connection between the two manifolds permits the nitrogen manifold to be easily evacuated.

A typical view of schlenk line

### A typical view of schlenk line



#### MF14500 - Gas Manifolds, 3/4 Position

- Manifold with a 2 mm bore Glass stopcock /4 mm bore PTFE stopcock
- Manufactured using capillary tube of O.D. 8 mm.

Cat. No.	Description	Stopcock	Pack Size
MF14500F01	Gas Manifold - 3 Position	Glass	1
MF14500F02	Gas Manifold - 3 Position	PTFE	1
MF14500F03	Gas Manifold - 4 Position	Glass	1
MF14500F04	Gas Manifold - 4 Position	PTFE	1

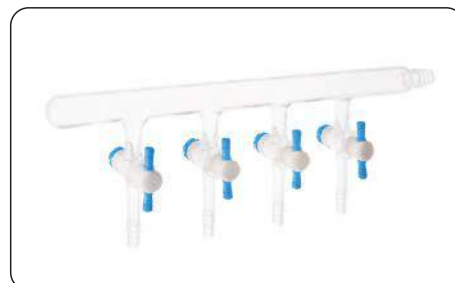




**MF14510 - Vacuum Manifold, 4 And 6 Position**

- General purpose single bank vacuum manifold with 4 or 6 Positions
- Manufactured using 1" O.D. tube.
- Serration for vacuum connection can be provided at either side of the manifold

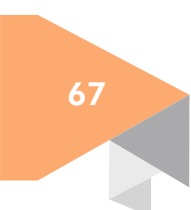
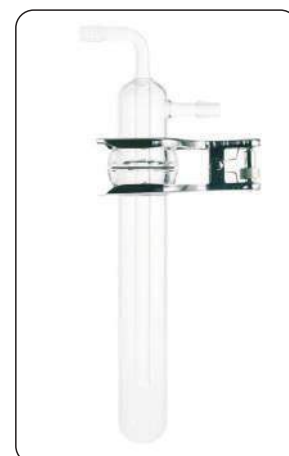
Cat. No.	Description	Pack Size
MF14510F01	Vacuum Manifold - 4 Position	1
MF14510F02	Vacuum Manifold - 6 Position	1



**MF14520 - Vacuum Traps O-Ring Schlenk**

- Two - Piece vacuum trap with O-ring joints on both the inlet and outlet ports
- Trap Body is 57 OD x 320 mm in length to be used with 300 ml Dewar flask

Cat. No.	Description	Pack Size
MF14520F01	Vacuum Trap, 57 mm O-Ring	1



**MF14530 - Vacuum Manifold, Inert Lines, 4 Ports Schlenk Line**

- Flexible and compact this 4-port line is constructed using 4 mm double oblique Bore stopcocks on all four ports
- Ports are fitted with two 14/20 inner joints and two 24/40 outer joints
- All 4 ends of the manifold have O-Ring joint permitting the trap assembly to be attached either to the right or left side of the vacuum bank
- Trap assembly is 2-piece design with High pressure stopcock

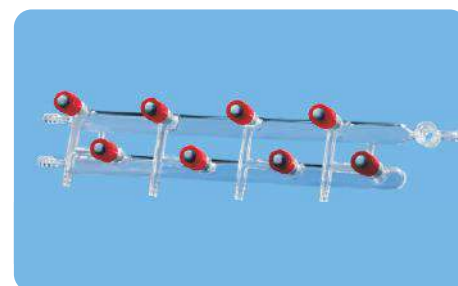


Cat. No.	Description	Pack Size
MF14530F01	Vacuum Manifold, Inert Line, Complete Set	1

**MF14540 - Vacuum Manifold, Double Bank**

- Manifold with open ends on both sides for inert gas permits connection to gas source and an oil bubbler
- Manufactured using 1/2' inch OD tubing at both sides

Cat. No.	Description	Stopcock Type	Pack Size
MF14540F01	Double Bank, 4 positions, Vacuum/Inert	Glass	1
MF14540F02	Double Bank, 4 positions, Vacuum/Inert	PTFE	1
MF14540F03	Double Bank, 4 positions, Vacuum/Inert	High pressure	1
MF14540F04	Double Bank, 4 positions <b>with both ends open for Inert Gas</b>	Glass	1
MF14540F05	Double Bank, 5 positions, Vacuum/Inert	Glass	1
MF14540F06	Double Bank, 5 positions, Vacuum/Inert	PTFE	1
MF14540F07	Double Bank, 5 positions, Vacuum/Inert	High pressure	1
MF14540F08	Double Bank, 5 positions <b>with both ends open for Inert Gas</b>	Glass	1



## MF14560 - Tubes Reaction Single Neck Schlenk

- Cylindrical shape tube with a standard taper inner joint useful for simple reaction
- Comes with 2 mm Glass Stopcock

Cat. No.	Capacity mL	Joint Size mm	Joint Type	Pack Size
MF14560F01	100	14/20	Inner	1
MF14560F02	100	24/40	Inner	1
MF14560F03	250	24/40	Inner	1
MF14560F04	100	14/20	Outer	1
MF14560F05	100	24/40	Outer	1
MF14560F06	250	24/40	Outer	1



## MF14570 - Flask Reaction, Schlenk

- Round Bottom Flask having standard taper outer joints.
- Comes with 2 mm high vacuum glass stopcock
- Double Neck Angular flask has both joint sizes same

Cat. No.	Capacity mL	Description	Joint Size mm	Pack Size
MF14570F01	100	Reaction Flask Single neck	14/20	1
MF14570F02	250	Reaction Flask Single neck	14/20	1
MF14570F03	250	Reaction Flask Single neck	24/40	1
MF14570F04	500	Reaction Flask Single neck	24/40	1
MF14570F05	1000	Reaction Flask Single neck	24/40	1
MF14570F06	100	Reaction Flask Two neck, Angular	14/20	1
MF14570F07	250	Reaction Flask Two neck, Angular	14/20	1
MF14570F08	250	Reaction Flask Two neck, Angular	24/40	1
MF14570F09	500	Reaction Flask Two neck, Angular	24/40	1
MF14570F10	1000	Reaction Flask Two neck, Angular	24/40	1



**MF14580 - Flask Reaction Single Neck, Schlenk**

- Kjeldahl shape makes heating and stirring while permitting easy transfer of liquids or solids

Product Code	Capacity mL	Joint Size mm	Pack Size
MF14580F01	25	14/20	1
MF14580F02	50	14/20	1
MF14580F03	100	14/20	1
MF14580F04	250	24/40	1
MF14580F05	500	24/40	1



## SL15100 - Bubblers, With Integral Valve, Schlenk

- It has integral valve to control the flow of inert gas into the system
- It requires a minimal amount of oil due to the inner tube being within 5 mm of the bottom.
- Comes with both side arm of O.D. 9 mm
- Total height 220 mm approx.

Cat. No.	Description	Pack Size
SL15100BB1	Bubbler, Schlenk	1



## SL15102 - Bubblers In-Line, Schlenk

- Used to monitor flow of gas to reactions and equipped with vent connection
- Has a "T" connection at the top to allow it to be mounted in-line while the reservoir head prevents oil from being sucked back into the system.
- Comes with both top and side Tubulation of O.D. 8 mm

Cat. No.	Description	Capacity mL	Pack Size
SL15102BL1	Bubbler Inline, Schlenk	50	1
SL15102BL2	Bubbler Inline, Schlenk	100	1





**SL15103 - Bubblers, Schlenk**

- Used to monitor gas flow to reactions while providing a vent to the atmosphere.
- Reservoir head prevents oil from being sucked back into the system.
- Comes with both top and side Tubulation of O.D. 8 mm

Cat. No.	Description	Capacity mL	Pack Size
SL15103BB1	Bubbler, Schlenk	50	1
SL15103BB2	Bubbler, Schlenk	100	1
SL15103BB3	Bubbler, Schlenk	250	1

**SL15104 - Bubblers, Adjustable, Schlenk**

- It comes with adjustable inner tube
- Taper at bottom of reservoir allows for the use of a minimal amount of oil

Cat. No.	Description	Pack Size
SL15104ABB1	Bubbler, Adjustable, Schlenk	1



## SL15105 - Bubblers, Double, Schlenk

- It comes with two oil reservoirs
- Comes with OD 9 mm Hose connection at the middle serration

Cat. No.	Description	Approx. O.D. x Height mm	Pack Size
SL15105BB1	Bubbler, Double, Schlenk	130 x 145	1



## SL15106 - Bubblers, Horizontal, Schlenk

- Horizontal design allows for inline connection and purging of gases
- Comes with OD 9 mm Hose connection at the middle serration

Product code	Description	Joint Size	Pack Size
SL15106BB1	Bubbler, Horizontal, Schlenk	14/20	1
SL15106BB2	Bubbler, Horizontal, Schlenk	24/40	1



## CD16000 - Condensers, Liebig, Drip Tip, Interchangeable Inner and Outer Joints

- Light wall of inner tube for better heat transfer
- Used for distillate separation

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD1600081	150	14/23	14/23	2
CD16000182	200	19/26	19/26	2
CD16000282	200	24/29	24/29	2
CD16000184	300	19/26	19/26	2
CD16000284	300	24/29	24/29	2
CD16000384	300	29/32	29/32	2
CD16000185	350	19/26	19/26	2
CD16000285	350	24/29	24/29	2
CD16000385	350	29/32	29/32	2
CD16000186	400	19/26	19/26	2
CD16000286	400	24/29	24/29	2
CD16000386	400	29/32	29/32	2
CD16000187	500	24/29	24/29	2
CD16000287	500	29/32	29/32	2
CD16000387	500	34/35	34/35	2
CD16000188	600	24/29	24/29	2
CD16000288	600	34/35	34/35	2
CD16000189	750	24/29	24/29	2
CD16000289	750	34/35	34/35	2
CD16000190	900	34/35	34/35	2

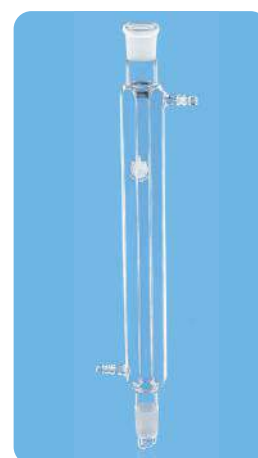
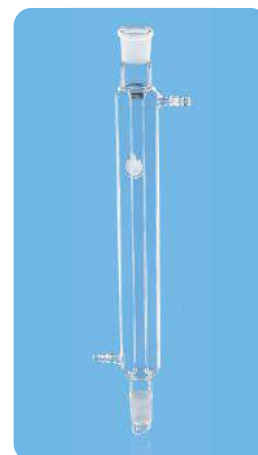
**Note:- \*Neck size can be customized for all our condenser categories as per customers request**

## CD16000A - Condensers, Liebig, Drip Tip, Interchangeable Inner and Outer Joints as per ASTM

- Light wall of inner tube for better heat transfer
- Low cooling Capacity
- Used for distillate separation

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16000181A	150	14/20	14/20	2
CD16000182A	200	19/38	19/38	2
CD16000282A	200	24/40	24/40	2
CD16000184A	300	24/40	24/40	2
CD16000185A	350	24/40	24/40	2
CD16000186A	400	24/40	24/40	2
CD16000187A	500	24/40	24/40	2
CD16000287A	500	34/40	34/40	2
CD16000188A	600	34/40	34/40	2
CD16000189A	750	24/40	24/40	2
CD16000190A	900	34/40	34/40	2
CD16000290A	900	45/50	45/50	2

**Note:- \*Neck size can be customized as per request**



# CONDENSERS

## CD16010 - Condensers, Reflux Coiled Distillate Type, Drip Tip, Interchangeable Inner and Outer Joints

- Coiled condensation gives large surface area for cooling
- Designed with Inner and Outer joint with drip tip

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16010181	150	14/23	14/23	2
CD16010182	200	19/26	19/26	2
CD16010183	250	19/26	19/26	2
CD16010283	250	24/29	24/29	2
CD16010184	300	19/26	19/26	2
CD16010284	300	24/29	24/29	2
CD16010186	400	24/29	24/29	2
CD16010187	500	24/29	24/29	2
CD16010287	500	34/35	34/35	2
CD16010188	600	34/35	34/35	2
CD16010189	750	24/29	24/29	2
CD16010190	900	29/32	29/32	2
CD16010191	1000	29/32	29/32	2



**Note:-** \*Neck size can be customized as per request

## CD16011 - Condensers, Graham, Coiled Type, Drip Tip, Interchangeable Inner and Outer Joints

- Coiled condensation gives large surface area for cooling
- Designed with Inner and Outer joint with drip tip

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16011181	150	14/23	14/23	2
CD16011182	200	19/26	19/26	2
CD16011183	250	19/26	19/26	2
CD16011283	250	24/29	24/29	2
CD16011184	300	19/26	19/26	2
CD16011284	300	24/29	24/29	2
CD16011186	400	24/29	24/29	2
CD16011187	500	24/29	24/29	2
CD16011287	500	34/35	34/35	2
CD16011188	600	34/35	34/35	2
CD16011189	750	24/29	24/29	2
CD16011190	900	29/32	29/32	2
CD16011191	1000	29/32	29/32	2



**Note:-** \*Jacket length upto 1000 mm can be supplied on request

## CD16020 - Condensers, Friedrich, Drip Tip, Interchangeable Inner and Outer Joints

- Specially designed inner tube to ensure long vapor path
- Long path gives better heat transfer

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16020181	150	19/26	19/26	2
CD16020182	200	24/29	24/29	2
CD16020183	250	24/29	24/29	2



## CD16020A - Condensers, Friedrich, Drip tip, Interchangeable Inner and Outer Joints as per ASTM

- Specially designed inner tube to ensure long vapor path
- Long path gives better heat transfer

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16020181A	150	19/38	19/38	2
CD16020182A	200	24/40	24/40	2
CD16020183A	250	24/40	24/40	2



## CD16030- Condensers, Graham Coil Jacket Distillate Type

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16030181	150	14/23	14/23	2
CD16030182	200	19/26	19/26	2
CD16030183	250	19/26	19/26	2
CD16030283	250	24/29	24/29	2
CD16030184	300	19/26	19/26	2
CD16030284	300	24/29	24/29	2
CD16030186	400	24/29	24/29	2
CD16030187	500	24/29	24/29	2
CD16030287	500	34/35	34/35	2
CD16030188	600	34/35	34/35	2



**Note:-** \*Available in ASTM neck sizes

## CD16040 - Condensers, Davies Condensers, (Double Surface)

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16040181	150	19/26	19/26	2
CD16040182	200	19/26	19/26	2
CD16040183	250	19/26	19/26	2
Cd16040283	250	24/29	24/29	2
CD16040184	300	19/26	19/26	2
CD16040284	300	24/29	24/29	2
CD16040186	400	24/29	24/29	2
CD16040187	500	24/29	24/29	2
CD16040287	500	34/35	34/35	2
CD16040188	600	34/35	34/35	2



**Note:-** \*Available in ASTM neck sizes

## CD16050 - Condensers, Jacketed Coil

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16050181	150	19/26	19/26	2
CD16050182	200	19/26	19/26	2
CD16050184	300	19/26	19/26	2
CD16050284	300	24/29	24/29	2
CD16050186	400	24/29	24/29	2
CD16050187	500	24/29	24/29	2
CD16050287	500	34/35	34/35	2



**Note:-** \*Available in ASTM neck sizes

**CD16060 - Condensers, Allihn (Bulb Condenser)**

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16060182	200	19/26	19/26	2
CD16060184	300	19/26	19/26	2
CD16060284	300	24/29	24/29	2
CD16060186	400	24/29	24/29	2
CD16060187	500	24/29	24/29	2
CD16060287	500	34/35	34/35	2
CD16060188	600	34/35	34/35	2
CD16060189	750	34/35	34/35	2

**Note:-** \*Available in ASTM neck sizes

**CD16070 - Condensers, Ether**

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CD16070181	150	19/26	24/29	2
CD16070182	200	19/26	24/29	2
CD16070183	250	19/26	24/29	2

**Note:-** \*Available in ASTM neck sizes



## CF17000 - Condenser, Fractionating, Vigreux with Drip Tip Interchangeable Joints

- Vigreux style column for vapor/liquid reduction applications.
- It has Drip tip joint at the bottom

Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CF17000185	350	24/29	24/29	1
CF17000188	600	24/29	24/29	1
CF17000285	350	29/32	29/32	1
CF17000189	750	34/35	34/35	1

**Note:-** \*Available in ASTM neck sizes

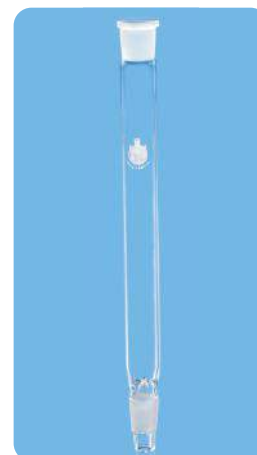


## CF17010 - Condenser, Fractionating, Plain Designed for use in Various Types of Columns

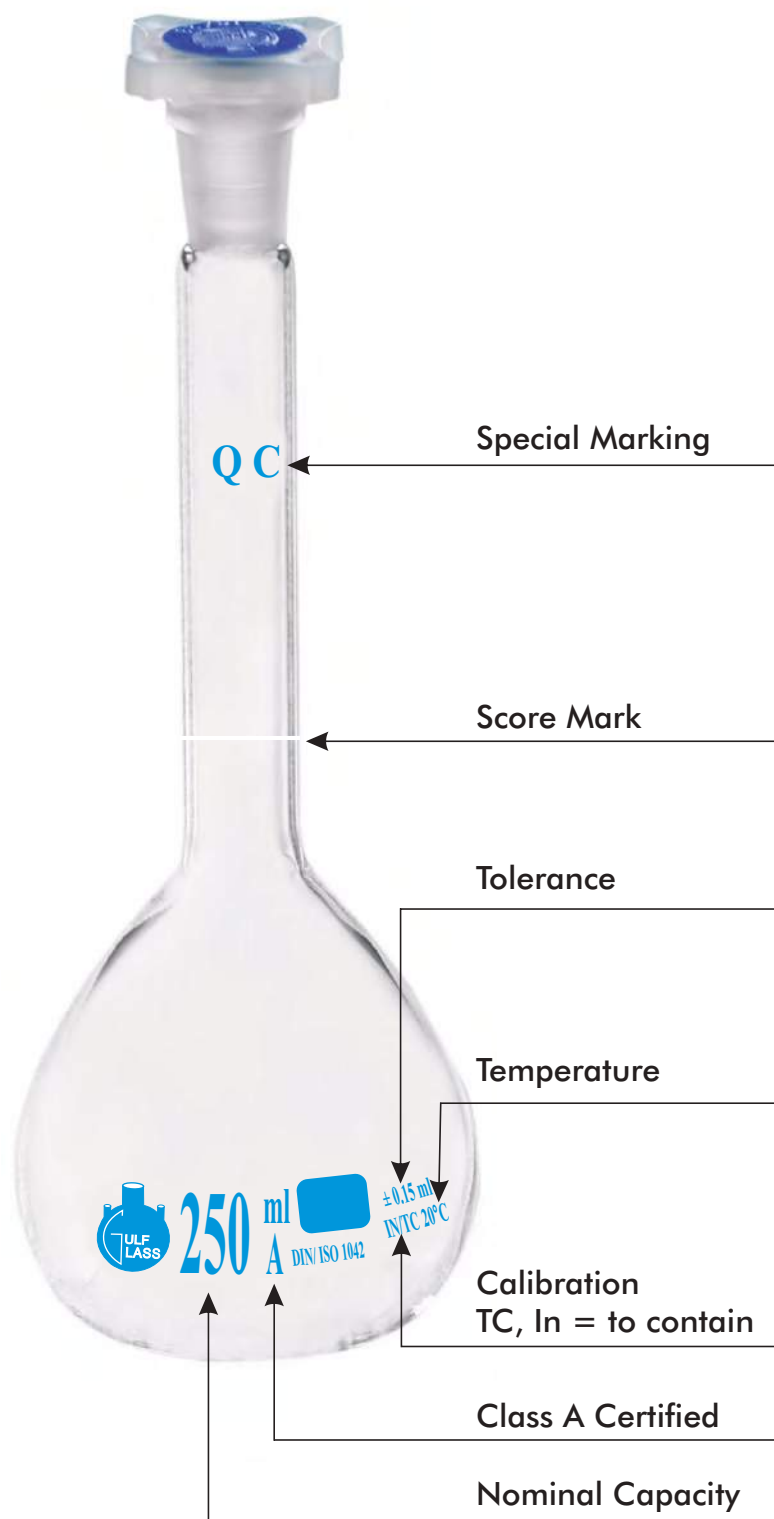
- It has Drip tip joint at the bottom

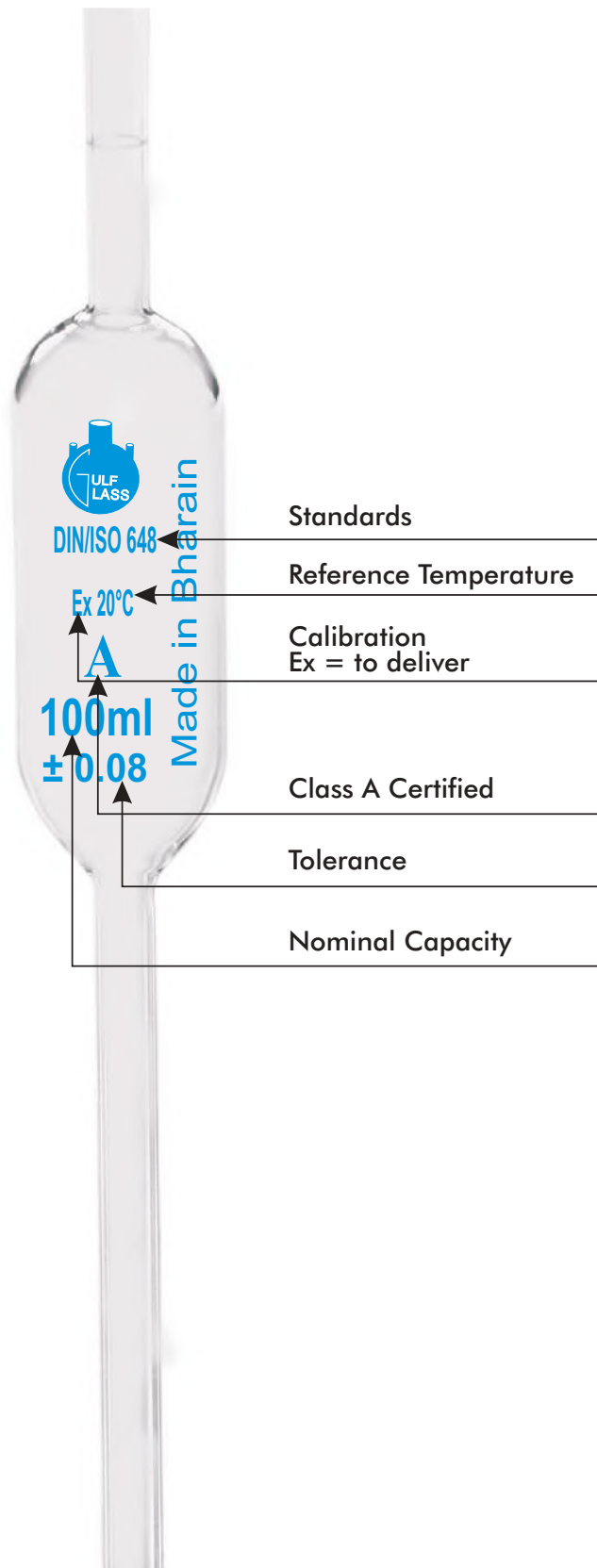
Cat. No.	Effective Length mm	Socket Size	Cone Size	Pack Size
CF17010183	250	24/29	24/29	1
CF17010283	250	34/35	24/29	1
CF17010187	500	24/29	24/29	1
CF17010287	500	34/35	34/35	1
CF17010188	600	34/35	34/35	1
CF17010189	700	24/29	24/29	1
CF17010190	1000	34/35	34/35	1

**Note:-** \*Available in ASTM neck sizes









**VF18000 - Flasks, Volumetric, Supplied With Interchangeable PP Stopper, Accuracy as Per Class A.**

- Complies with ISO/DIN 1042
- Calibrated at 20°C
- Engraved with individual serial number and supplied with certificate of calibration
- Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance

Cat. No.	Capacity mL	Tolerance ± mL	Stopper Size	Pack Size
VF18000001	1	0.025	7/16	6
VF18000002	2	0.025	7/16	6
VF18000005	5	0.025	7/16	6
VF18000010	10	0.025	7/16	6
VF18000012	20	0.04	10/19	6
VF18000013	25	0.04	10/19	6
VF18000016	50	0.06	12/21	6
VF18000018	100	0.10	14/23	6
VF18000021	200	0.15	14/23	6
VF18000022	250	0.15	14/23	6
VF18000025	500	0.25	19/26	6
VF18000028	1000	0.40	24/29	2
VF18000029	2000	0.60	29/32	1
VF18000031	5000	1.20	34/35	1



**Note:-** \* All our volumetric flasks can be provided with Glass stoppers. Please ask for prices separately

**VF18010 - Flasks, Volumetric, Supplied With Interchangeable PP Stopper, Accuracy As Per Class A, Amber.**

- Complies with ISO/DIN 1042
- Calibrated at 20°C
- Engraved with individual serial number and supplied with certificate of calibration
- Manufactured from borosilicate, USP Type I glass with an Amber coating on exterior surfaces to facilitate use with light sensitive material

Cat. No.	Capacity mL	Tolerance ± mL	Stopper Size	Pack Size
VF18010001	1	0.025	7/16	6
VF18010002	2	0.025	7/16	6
VF18010005	5	0.025	7/16	6
VF18010010	10	0.025	7/16	6
VF18010012	20	0.04	10/19	6
VF18010013	25	0.04	10/19	6
VF18010016	50	0.06	12/21	6
VF18010018	100	0.10	14/23	6
VF18010021	200	0.15	14/23	6
VF18010022	250	0.15	14/23	6
VF18010025	500	0.25	19/26	6
VF18010028	1000	0.40	24/29	2
VF18010029	2000	0.60	29/32	1
VF18010031	5000	1.20	34/35	1



**Note:-** \*All our volumetric flasks can be provided with Glass stoppers. Please ask for prices separately

### VF18020 - Flasks, Volumetric, Supplied With Interchangeable PP Stopper, Accuracy As Per Class B.

- Complies with ISO/DIN 1042
- Calibrated at 20°C
- Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
VF18020001	1	0.05	7/16	6
VF18020002	2	0.05	7/16	6
VF18020005	5	0.05	7/16	6
VF18020010	10	0.05	7/16	6
VF18020012	20	0.08	10/19	6
VF18020013	25	0.08	10/19	6
VF18020016	50	0.12	12/21	6
VF18020018	100	0.20	14/23	6
VF18020021	200	0.30	14/23	6
VF18020022	250	0.30	14/23	6
VF18020025	500	0.50	19/26	6
VF18020028	1000	0.80	24/29	2
VF18020029	2000	1.20	29/32	1
VF18020031	5000	2.40	34/35	1



**Note:-** \*All our volumetric flasks can be provided with Glass stoppers. Please ask for prices separately

### VF18030 - Flasks, Volumetric, Supplied With Interchangeable PP Stopper, Accuracy As Per Class B, Amber.

- Complies with ISO/DIN 1042
- Calibrated at 20°C
- Manufactured from borosilicate, USP Type I glass with an Amber coating on exterior surfaces to facilitate use with light sensitive material

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
VF18030001	1	0.05	7/16	6
VF18030002	2	0.05	7/16	6
VF18030005	5	0.05	7/16	6
VF18030010	10	0.05	7/16	6
VF18030012	20	0.08	10/19	6
VF18030013	25	0.08	10/19	6
VF18030016	50	0.12	12/21	6
VF18030018	100	0.20	14/23	6
VF18030021	200	0.30	14/23	6
VF18030022	250	0.30	14/23	6
VF18030025	500	0.50	19/26	6
VF18030028	1000	0.80	24/29	2
VF18030029	2000	1.20	29/32	1
VF18030031	5000	2.40	34/35	1

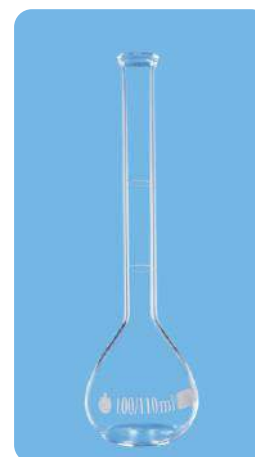


**Note:-** \*All our volumetric flasks can be provided with Glass stoppers. Please ask for prices separately

**VF18040 - Flasks, Volumetric, Sugar Estimation With Two Marks Without Stopper**

- Complies with BS 675
- Calibrated at 20°C
- A two-mark flask designed for the analysis of sugar solutions.  
The two graduation marks provide a dilution of 1 in 10

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Pack Size
VF18040018	100/110	0.15	2

**VF18050 - Flasks, Kohlrausch With Cup Shape At Top, Class A**

- Complies with BS 615
- Calibrated to class A tolerance at 20°C
- With expanded neck for easy introduction of viscous liquids or solid samples
- Available in two sizes – 100 ml for sugar analysis and 200 ml for determination of oil viscosity by Engler method

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Approx. Height mm	Pack Size
VF18050018	100	0.06	155	2
VF18050021	200	0.10	185	2



## VF18060A - Flasks, Volumetric, With Interchangeable Solid Glass Stopper, Accuracy As Per Class A

- Complies with ASTM E 288
- Calibrated at 20°C
- Engraved with individual serial number and supplied with certificate of calibration
- Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance
- Supplied with Penny Head Glass Stopper

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
VF18060013A	25	0.03	9	6
VF18060016A	50	0.05	9	6
VF18060018A	100	0.08	13	6
VF18060021A	200	0.10	16	6
VF18060022A	250	0.12	16	6
VF18060025A	500	0.20	19	6
VF18060028A	1000	0.30	22	2
VF18060029A	2000	0.50	27	1



## VF18070A - Flasks, Volumetric, With Interchangeable Solid Glass Stopper, Accuracy As Per Class A, Amber.

- Complies with ASTM E 288
- Calibrated at 20°C
- Engraved with individual serial number and supplied with certificate of calibration
- Manufactured from borosilicate, USP Type I glass with an Amber coating on exterior surfaces to facilitate use with light sensitive material
- Supplied with Penny Head Glass Stopper

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
VF18070013A	25	0.03	9	6
VF18070016A	50	0.05	9	6
VF18070018A	100	0.08	13	6
VF18070021A	200	0.10	16	6
VF18070022A	250	0.12	16	6
VF18070025A	500	0.20	19	6
VF18070028A	1000	0.30	22	2
VF18070029A	2000	0.50	27	1



**VF18080A - Flasks, Volumetric, With Interchangeable Solid Glass Stopper, Accuracy As Per Class B**

- Complies with ASTM E 288
- Calibrated at 20°C
- Manufactured from borosilicate, USP Type I glass corrosion-free performance
- Supplied with Penny Head Glass Stopper

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Stopper size	Pack Size
VF18080013A	25	0.06	9	6
VF18080016A	50	0.10	9	6
VF18080018A	100	0.16	13	6
VF18080021A	200	0.20	16	6
VF18080022A	250	0.24	16	6
VF18080025A	500	0.40	19	6
VF18080028A	1000	0.60	22	2
VF18080029A	2000	1.00	27	1

**VF18090A - Flasks, Volumetric, with Interchangeable Solid Glass Stopper, Accuracy As Per Class B, Amber.**

- Complies with ASTM E 288
- Calibrated at 20°C
- Manufactured from borosilicate, USP Type I glass with an Amber coating on exterior surfaces to facilitate use with light sensitive material
- Supplied with Penny Head Glass Stopper

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
VF18090013A	25	0.06	9	6
VF18090016A	50	0.10	9	6
VF18090018A	100	0.16	13	6
VF18090021A	200	0.20	16	6
VF18090022A	250	0.24	16	6
VF18090025A	500	0.40	19	6
VF18090028A	1000	0.60	22	2
VF18090029A	2000	1.00	27	1



### VF18100U - Flasks, Volumetric, With Interchangeable PP Stopper, Accuracy As Per Class A.

- Complies with USP (US Pharmacopeia)
- Calibrated at 20°C
- Engraved with individual serial number and supplied with certificate of calibration
- Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
VF18100013U	25	0.03	10/19	6
VF18100016U	50	0.05	12/21	6
VF18100018U	100	0.08	14/23	6
VF18100021U	200	0.10	14/23	6
VF18100022U	250	0.12	14/23	6
VF18100025U	500	0.20	19/26	6
VF18100028U	1000	0.30	24/29	2
VF18100029U	2000	0.50	29/32	1



### VF18101 - Flasks, Volumetric, Wide Mouth With Interchangeable Glass Stopper, Accuracy As Per Class A.

- Complies with ISO/DIN 1042
- Calibrated at 20°C
- Engraved with individual serial number and supplied with certificate of calibration
- Ideal for testing bigger diameter tablets without making it in powder form
- Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
VF18101013	25	0.06	12/21	6
VF18101016	50	0.10	14/23	6
VF18101018	100*	0.10	19/26	6
VF18101021	200*	0.15	19/26	6

**Note:-** \*Not covered in standards

\*Can be provided with PP stoppers.





## CY19000 - Cylinders, Graduated, Single Metric Scale, with Spout and Hexagonal Base, Class A

- Complies with IS 878, ISO/DIN 4788
- Calibrated to contain (Tc, In) at 20°C
- Each cylinder is engraved with a unique serial number and comes with a certificate of calibration
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Comes in Amber Graduations

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance ± mL	Pack Size
CY19000010	10	0.2	0.10	6
CY19000013	25	0.5	0.25	6
CY19000016	50	1	0.50	6
CY19000018	100	1	0.50	6
CY19000022	250	2	1.0	6
CY19000025	500	5	2.50	4
CY19000028	1000	10	5.0	2
CY19000029	2000	20	10.0	1



**Note:-** Available in Blue and White Graduations  
Please ask for prices Separately

## CY19000A - Cylinders, Graduated, Single Metric Scale, with Spout and Hexagonal Base, Class A

- Complies with ASTM E 1272
- Calibrated to contain (Tc, In) at 20°C
- Each cylinder is engraved with a unique serial number and comes with a certificate of calibration
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Comes in Amber Graduations

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance ± mL	Pack Size
CY19000010A	10	0.2	0.10	6
CY19000013A	25	0.5	0.17	6
CY19000016A	50	1	0.25	6
CY19000018A	100	1	0.50	6
CY19000022A	250	2	1.00	6
CY19000025A	500	5	2.00	4
CY19000028A	1000	10	3.00	2
CY19000029A	2000	20	6.00	1



**Note:-** Available in Blue and White Graduations  
Please ask for prices Separately

## CY19010 - Cylinders, Graduated, Single Metric Scale, with Spout and Hexagonal Base, Class B

- Complies with IS 878, ISO/DIN 4788
- Calibrated to contain (Tc, In) at 20°C
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Comes in Amber Graduations

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance ± mL	Pack Size
CY19010010	10	0.20	0.2	6
CY19010013	25	0.50	0.5	6
CY19010016	50	1.00	1	6
CY19010018	100	1.00	1	6
CY19010022	250	2.00	2	6
CY19010025	500	5.00	5	4
CY19010028	1000	10.00	10	2
CY19010029	2000	20.00	20	1

**Note:-** Available in Blue and White Graduations  
Please ask for prices Separately



## CY19010A - Cylinders, Graduated, Single Metric Scale, with Spout and Hexagonal Base, Class B

- Complies with ASTM 1272
- Calibrated to contain (Tc, In) at 20°C
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Comes in Amber Graduations

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance ± mL	Pack Size
CY19010010A	10	0.2	0.2	6
CY19010013A	25	0.5	0.34	6
CY19010016A	50	1.0	0.5	6
CY19010018A	100	1.0	1.0	6
CY19010022A	250	2.0	2.0	6
CY19010025A	500	5.0	4.0	4
CY19010028A	1000	10.0	6.0	2
CY19010029A	2000	20.0	12.0	1

**Note:-** Available in Blue and White Graduations  
Please ask for prices Separately



## CY19020 - Cylinders, Graduated, Single Metric Scale, with Spout and Hexagonal Base, Class A, with Interchangeable Penny Head/PP Stopper

- Complies with IS 878, ISO/DIN 4788
- Calibrated to contain (Tc, In) at 20°C
- Each cylinder is engraved with a unique serial number and comes with a certificate of calibration
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Comes in Amber Graduations

Cat. No	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
CY19020010	10	0.2	0.1	10/19	6
CY19020013	25	0.5	0.25	14/23	6
CY19020016	50	1.0	0.5	14/23	6
CY19020018	100	1.0	0.5	19/26	6
CY19020022	250	2.0	1.0	24/29	6
CY19020025	500	5.0	2.5	24/29	4
CY19020028	1000	10.0	5.0	34/35	2
CY19020029	2000	20.0	10.0	34/35	1



**Note:-** Available in Blue and White Graduations  
Please ask for prices Separately

## CY19020A - Cylinders, Graduated, Single Metric Scale, with Spout and Hexagonal Base, Class A, with Interchangeable Penny Head/PP Stopper

- Complies with ASTM E 1272
- Calibrated to contain (Tc, In) at 20°C
- Each cylinder is engraved with a unique serial number and comes with a certificate of calibration
- Sturdy hexagonal base prevents roll-over and ensures greater stability

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Stopper Size	Pack Size
CY19020010A	10	0.2	0.1	13	6
CY19020013A	25	0.5	0.17	13	6
CY19020016A	50	1.0	0.25	13	6
CY19020018A	100	1.0	0.5	16	6
CY19020022A	250	2.0	1.0	22	6
CY19020025A	500	5.0	2.0	27	4
CY19020028A	1000	10.0	3.0	32	2
CY19020029A	2000	20.0	6.0	38	1



**Note:-** Available in Blue and White Graduations  
Please ask for prices Separately

## CY19030- Cylinders, Graduated, Single Metric Scale, with Spout and Hexagonal Base, Class B, with Interchangeable Penny Head/PP Stopper

- Complies with IS 878, ISO/DIN 4788
- Calibrated to contain (Tc, In) at 20°C
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Comes in Amber Graduations

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Graduation Interval mL	Stopper Size	Pack Size
CY19030010	10	0.2	0.20	10/19	6
CY19030013	25	0.5	0.50	14/23	6
CY19030016	50	1	1.00	14/23	6
CY19030018	100	1	1.00	19/26	6
CY19030022	250	2	2.00	24/29	6
CY19030025	500	5	5.00	24/29	4
CY19030028	1000	10	10.00	34/35	2
CY19030029	2000	20	20.00	34/35	1

**Note:-** Available in Blue and White Graduations

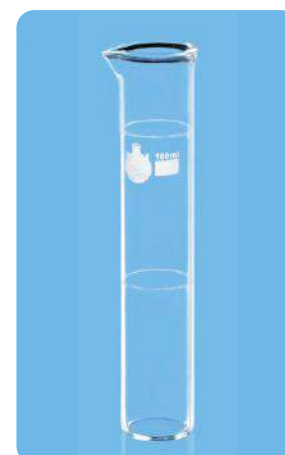
Please ask for prices Separately



## CY19050 - Cylinders, Color Comparison, Nessler, Flat Bottom, Graduated

- Helps in color comparison of water samples
- Calibrated to contain (Tc, In) at 20°C
- White enamel inscriptions

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Approx. O.D. x Height mm	Pack Size
CY19050016	50	50	0.4	26 x 150	2
CY19050018	100	50 & 100	0.8	34 x 180	2



**CY19060 - Tapped Density Cylinder, As per USP 616**

- Used in Tapped density apparatus to measure bulk density of powders.
- Calibrated to contain (Tc, In) at 20°C

Cat. No.	Capacity mL	Pack Size
CY19060018	100	2
CY19060022	250	2

**CY19070 - Crow Receiver, Class B**

- Complies with BS 658 for collection of distillate in Oil and Tar test
- Graduation with white enamel

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Pack Size
CY19070018	100	1.0	2

\*Smaller capacities for Crow receiver cylinders can be supplied on request.



# PIPETTES

## PT20000 - Pipettes, Transfer, Volumetric, Class A with Certificate.

- Complies with ISO/DIN 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.
- Color coding as per ISO 1769

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Pack Size
PT20000001	1	0.008	6
PT20000002	2	0.01	6
PT20000005	5	0.015	6
PT20000010	10	0.02	6
PT20000012	20	0.03	6
PT20000013	25	0.03	6
PT20000016	50	0.05	6
PT20000018	100	0.08	6



## PT20000A- Pipettes, Transfer, Volumetric, Class A with Certificate.

- Complies with ASTM E 969
- 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
- Color coding as per ASTM E 969

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Pack Size
PT20000001A	1	0.006	6
PT20000002A	2	0.006	6
PT20000003A	3	0.01	6
PT20000004A	4	0.01	6
PT20000005A	5	0.01	6
PT20000006A	6	0.01	6
PT20000007A	7	0.01	6
PT20000008A	8	0.02	6
PT20000009A	9	0.02	6
PT20000010A	10	0.02	6
PT20000011A	15	0.03	6
PT20000012A	20	0.03	6
PT20000013A	25	0.03	6
PT200000M1A	30	0.03	6
PT20000015A	40	0.05	6
PT20000016A	50	0.05	6
PT20000018A	100	0.08	6



## PT20010- Pipettes, Transfer, Volumetric, Class B

- Complies with ISO/DIN 648
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and Decanting of liquid
- Color coding as per ISO 1769

Cat. No.	Capacity mL	Tolerance $\pm$ mL	Pack Size
PT20010001	1	0.015	6
PT20010002	2	0.02	6
PT20010005	5	0.03	6
PT20010010	10	0.04	6
PT20010012	20	0.06	6
PT20010013	25	0.06	6
PT20010016	50	0.10	6
PT20010018	100	0.15	6



## PT20010A- Pipettes, Transfer, Volumetric, Class B

- Complies with ASTM E 969
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and Decanting of liquid
- Color coding as per ASTM E 969

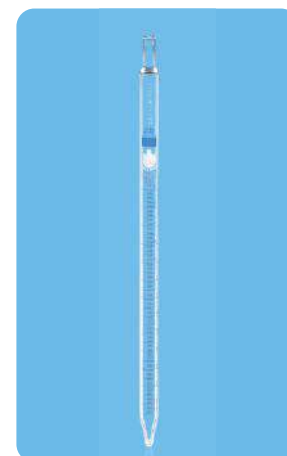
Cat. No.	Capacity mL	Tolerance $\pm$ mL	Pack Size
PT20010001A	1	0.012	6
PT20010002A	2	0.012	6
PT20010003A	3	0.02	6
PT20010004A	4	0.02	6
PT20010005A	5	0.02	6
PT20010006A	6	0.03	6
PT20010007A	7	0.03	6
PT20010008A	8	0.04	6
PT20010009A	9	0.04	6
PT20010010A	10	0.04	6
PT20010011A	15	0.06	6
PT20010012A	20	0.06	6
PT20010013A	25	0.06	6
PT20010016A	50	0.10	6
PT20010018A	100	0.16	6



## PT20020- Pipettes, Measuring (Mohr Type), Class A, with Certificate

- Complies with ISO/DIN 835
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- Each Pipette coded with Unique No supplied with calibration certificate giving exact volume.
- Graduations are made with permanent amber color diffused into the surface of the glass for better visibility and durability

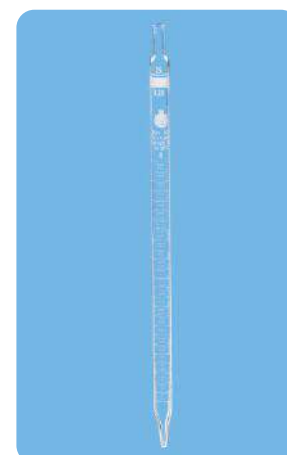
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
PT20020033	0.1	0.01	0.006	6
PT20020044	0.2	0.01	0.006	6
PT20020055	0.5	0.01	0.006	6
PT20020101	1	0.01	0.007	6
PT20020201	1	0.1	0.007	6
PT20020102	2	0.02	0.01	6
PT20020202	2	0.1	0.01	6
PT20020105	5	0.05	0.03	6
PT20020205	5	0.1	0.03	6
PT20020010	10	0.1	0.05	6
PT20020013	25	0.2	0.1	6



## PT20030- Pipettes, Measuring (Mohr Type), Class B

- Complies with ISO/DIN 835
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- Graduations are made with permanent amber color diffused into the surface of the glass for better visibility and durability

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
PT20030033	0.1	0.01	0.01	6
PT20030044	0.2	0.01	0.01	6
PT20030055	0.5	0.01	0.01	6
PT20030101	1	0.01	0.01	6
PT20030201	1	0.1	0.01	6
PT20030102	2	0.02	0.02	6
PT20030202	2	0.1	0.02	6
PT20030105	5	0.05	0.05	6
PT20030205	5	0.1	0.05	6
PT20030010	10	0.1	0.1	6
PT20030013	25	0.2	0.2	6

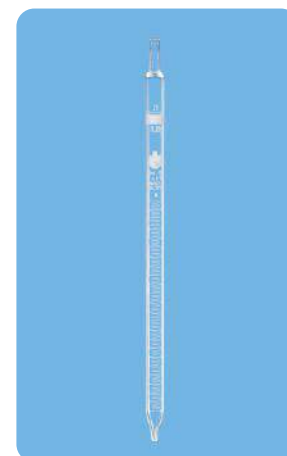




## PT20040 - Pipettes, Measuring (Serological Type), Class A

- Complies with ISO/DIN 835
- These Pipettes are graduated from any graduation line down to zero at the jet
- Each Pipette is coded with unique no supplied with calibration certificate giving exact volume
- Graduation are made with permanent amber color diffused into the surface of the glass for better visibility and durability

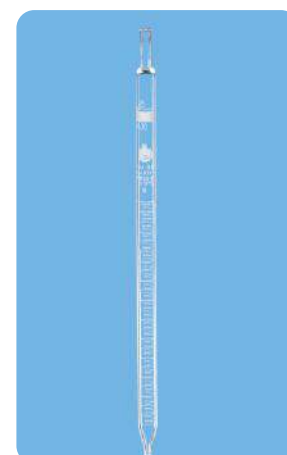
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
PT20040033	0.1	0.01	0.006	6
PT20040044	0.2	0.01	0.006	6
PT20040055	0.5	0.01	0.006	6
PT20040101	1	0.01	0.007	6
PT20040201	1	0.1	0.007	6
PT20040102	2	0.02	0.010	6
PT20040202	2	0.1	0.010	6
PT20040105	5	0.05	0.030	6
PT20040205	5	0.1	0.030	6
PT20040010	10	0.1	0.05	6
PT20040013	25	0.2	0.1	6



## PT20050 - Pipettes, Measuring (Serological Type), Class B

- Complies with ISO/DIN 835
- These Pipettes are graduated from any graduation line down to zero at the jet
- Graduations are made with permanent amber color diffused into the surface of the glass for better visibility and durability

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
PT20050033	0.1	0.01	0.01	6
PT20050044	0.2	0.01	0.01	6
PT20050055	0.5	0.01	0.01	6
PT20050101	1	0.01	0.01	6
PT20050201	1	0.10	0.01	6
PT20050102	2	0.02	0.02	6
PT20050202	2	0.10	0.02	6
PT20050105	5	0.05	0.05	6
PT20050205	5	0.10	0.05	6
PT20050010	10	0.10	0.10	6
PT20050013	25	0.20	0.20	6



# PIPETTES

## PT20060 - Pipettes, Measuring (Serological Type), Class A

- Complies with ASTM E-1293
- Generally used for accurate measurement and Decanting of liquid
- Each Pipette is coded with unique no supplied with calibration certificate giving exact volume

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
PT20060101	1	0.01	0.01	6
PT20060201	1	0.10	0.01	6
PT20060102	2	0.10	0.01	6
PT20060105	5	0.10	0.02	6
PT20060010	10	0.10	0.03	6
PT20060013	25	0.10	0.05	6



## PT20070 - Pipettes, Pasteur

- Use for the transfer of small volume of liquid
- Pipettes and teats should be ordered separately

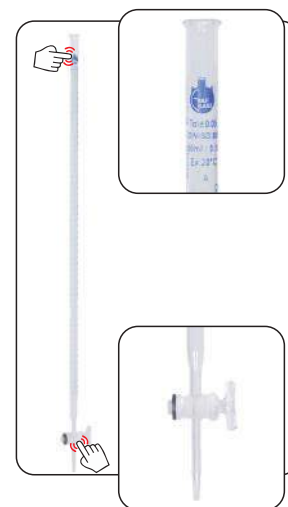
Cat. No.	Length mm	Pack Size
PT20070P01	145	100
PT20070P02	230	100



## BU21000 - Burettes, Straight Bore Glass Key Stopcock, Class A, With Calibration Certificate

- Complies with IS 1997, ISO/DIN 385
- Individually tested and supplied with calibration certificate
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

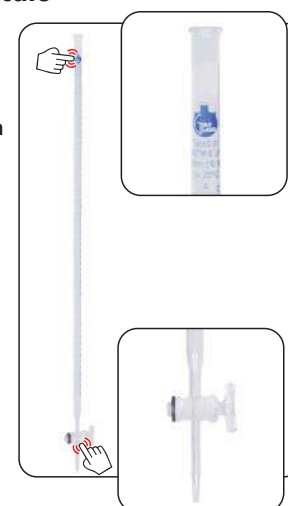
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21000005	5	0.02	0.01	4
BU21000010	10	0.05	0.03	4
BU21000013	25	0.10	0.05	4
BU21000016	50	0.10	0.05	4
BU21000018	100	0.20	0.10	4



## BU21000A - Burettes, Straight Bore Glass Key Stopcock, Class A, With Calibration Certificate

- Complies with ASTM E287
- Individually tested and supplied with calibration certificate
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

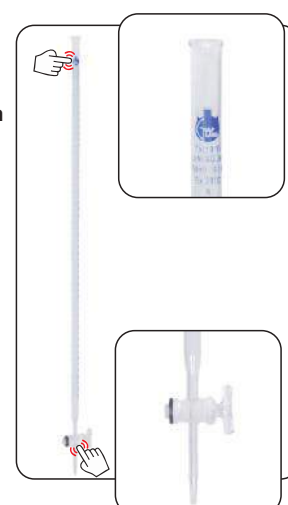
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21000010A	10	0.05	0.02	4
BU21000013A	25	0.10	0.03	4
BU21000016A	50	0.10	0.05	4
BU21000018A	100	0.20	0.10	4



## BU21010 - Burettes, Straight Bore Glass Key Stopcock, Class B,

- Complies with IS 1997, ISO/DIN 385
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

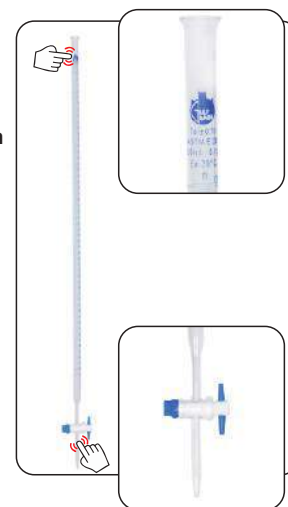
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21010005	5	0.02	0.02	4
BU21010010	10	0.05	0.05	4
BU21010013	25	0.10	0.10	4
BU21010016	50	0.10	0.10	4
BU21010018	100	0.20	0.20	4



## BU21010A - Burettes, Straight Bore PTFE Key Stopcock, Class B,

- Complies with ASTM E287
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

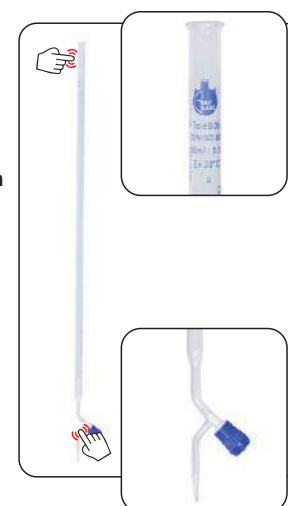
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21010010A	10	0.05	0.04	4
BU21010013A	25	0.10	0.06	4
BU21010016A	50	0.10	0.10	4
BU21010018A	100	0.20	0.20	4



## BU21020 - Burettes, Fitted with Boroflo Screw Thread Stopcock, Class A, With Calibration Certificate

- Complies with IS 1997, ISO/DIN 385
- Individually tested and supplied with calibration certificate
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

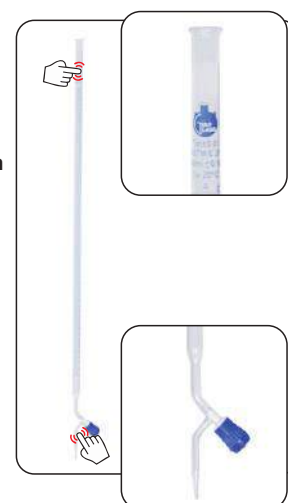
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21020010	10	0.05	0.03	4
BU21020013	25	0.10	0.05	4
BU21020016	50	0.10	0.05	4
BU21020018	100	0.20	0.10	4



## BU21020A - Burettes, Boroflo Stopcock, Class A, With Calibration Certificate

- Complies with ASTM E287
- Individually tested and supplied with calibration certificate
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

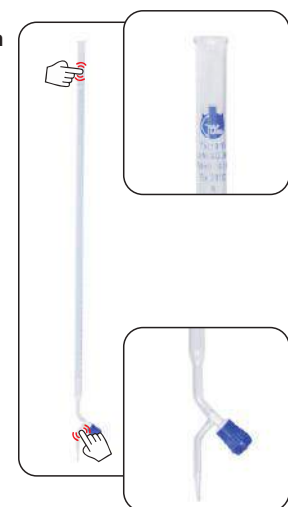
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21020010A	10	0.05	0.02	4
BU21020013A	25	0.10	0.03	4
BU21020016A	50	0.10	0.05	4
BU21020018A	100	0.20	0.10	4



## BU21030 - Burettes, Fitted with Boroflo Screw Thread Stopcock, Class B

- Complies with IS 1997, ISO/DIN 385
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21030005	5	0.02	0.02	4
BU21030010	10	0.05	0.05	4
BU21030013	25	0.10	0.10	4
BU21030016	50	0.10	0.10	4
BU21030018	100	0.20	0.20	4



## BU21030A - Burettes, Boroflo Stopcock, Class B

- Complies with ASTM E287
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

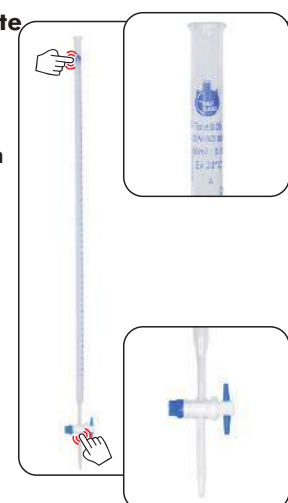
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21030010A	10	0.05	0.04	4
BU21030013A	25	0.10	0.06	4
BU21030016A	50	0.10	0.10	4
BU21030018A	100	0.20	0.20	4



## BU21040 - Burettes, Straight Bore PTFE Key Stopcock, Class A, With Calibration Certificate

- Complies with IS 1997, ISO/DIN 385
- Individually tested and supplied with calibration certificate
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

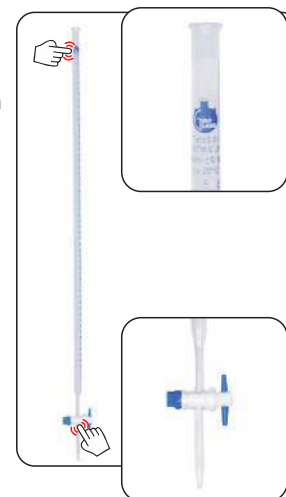
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21040010	5	0.02	0.01	4
BU21040010	10	0.05	0.03	4
BU21040013	25	0.10	0.05	4
BU21040016	50	0.10	0.05	4
BU21040018	100	0.20	0.10	4



## BU21040A - Burettes, Straight Bore PTFE Key Stopcock, Class A, With Calibration Certificate

- Complies with ASTM E287
- Individually tested and supplied with calibration certificate
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

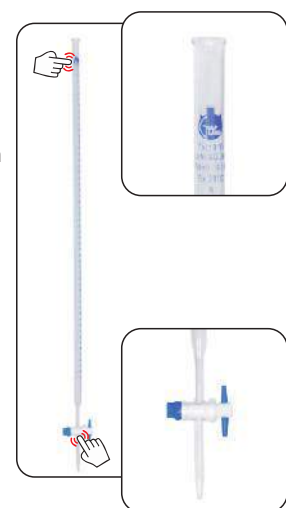
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21040010A	10	0.05	0.02	4
BU21040013A	25	0.10	0.03	4
BU21040016A	50	0.10	0.05	4
BU21040018A	100	0.20	0.10	4



## BU21050 - Burettes, Straight Bore PTFE Key Stopcock, Class B

- Complies with IS 1997, ISO/DIN 385
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

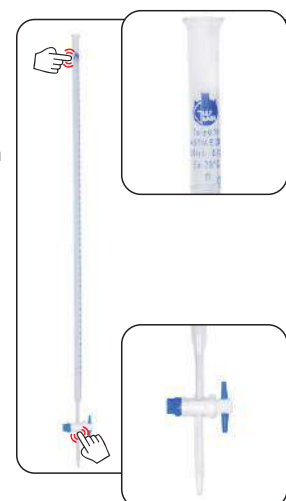
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21050010	10	0.05	0.05	4
BU21050013	25	0.10	0.10	4
BU21050016	50	0.10	0.10	4
BU21050018	100	0.20	0.20	4



## BU21050A - Burettes, Straight Bore PTFE Key Stopcock, Class B,

- Complies with ASTM E 287
- Manufactured from precision bore borosilicate tubing for high accuracy
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21050005A	5	0.02	0.02	4
BU21050010A	10	0.05	0.04	4
BU21050013A	25	0.10	0.06	4
BU21050016A	50	0.10	0.10	4
BU21050018A	100	0.20	0.20	4

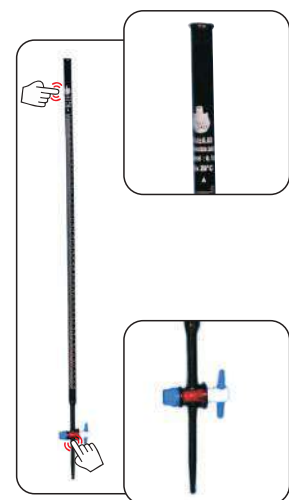


## BU21060 - Burettes, Straight Bore PTFE Key Stopcock, Class A, With Calibration Certificate, Amber

- Complies with IS 1997, ISO/DIN 385
- Individually tested and supplied with calibration certificate
- Manufactured from precision bore borosilicate tubing for high accuracy
- Amber color applied on external surface to prevent contamination with the testing material
- Graduation are made with White enamel which increases the visibility with dark solution

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
BU21060005	5	0.02	0.01	4
BU21060010A	10	0.05	0.03	4
BU21060013A	25	0.10	0.05	4
BU21060016A	50	0.10	0.05	4
BU21060018A	100	0.20	0.10	4

**Note:-** Can be supplied in Glass and Boroflo Stopcock upon request



## AB21070 - Burettes, Automatic Zero, with Reservoir, Rubber Bellow, PTFE Stopcock with Certificate as per Class A

- Complies with IS 1997, ISO/DIN 385
- With Auto Zero facility
- Manufactured from precision bore borosilicate tubing for high accuracy
- Easy operation
  - To fill burette, apply slight positive pressure using rubber bellow to the side arm
  - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
AB21070010	10	0.05	0.03	1
AB21070013	25	0.10	0.05	1
AB21070016	50	0.10	0.05	1
AB21070018	100	0.20	0.10	1



## AB21080 - Burettes, Automatic Zero, with Reservoir, Rubber Bellow, PTFE Stopcock Class B

- Complies with IS 1997, ISO/DIN 385
- With Auto Zero facility
- Manufactured from precision bore borosilicate tubing for high accuracy
- Easy operation
  - To fill burette, apply slight positive pressure using rubber bellow to the side arm
  - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Graduations are made with Blue/White enamel which increases the visibility with dark solution

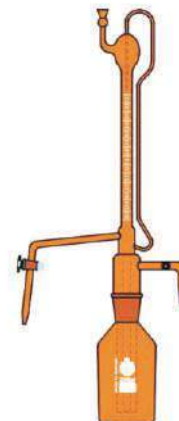
Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
AB21080010	10	0.05	0.05	1
AB21080013	25	0.10	0.10	1
AB21080016	50	0.10	0.10	1
AB21080018	100	0.20	0.20	1



## AB21090 - Burettes, Automatic Zero, with Reservoir, Rubber Bellow, PTFE Stopcock with Certificate as per Class A, Amber

- Complies with IS 1997, ISO/DIN 385
- With Auto Zero facility
- Manufactured from precision bore borosilicate tubing for high accuracy
- Easy operation
  - To fill burette, apply slight positive pressure using rubber bellow to the side arm
  - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Graduations are made with white enamel which increases the visibility with dark solution

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
AB21090010	10	0.05	0.03	1
AB21090013	25	0.10	0.05	1
AB21090016	50	0.10	0.05	1
AB21090018	100	0.20	0.10	1

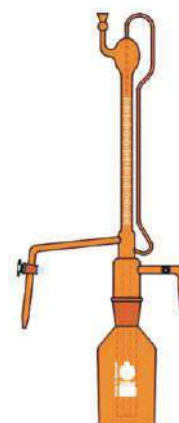


**Note:-** Can be supplied in glass and boroflo stopcock upon request

## AB21100 - Burettes, Automatic Zero, with Reservoir, Rubber Bellow, PTFE Stopcock, Class B, Amber

- Complies with IS 1997, ISO/DIN 385
- With Auto Zero facility
- Manufactured from precision bore borosilicate tubing for high accuracy
- Easy operation
  - To fill burette, apply slight positive pressure using rubber bellow to the side arm
  - To set zero, release pressure to allow excess liquid to siphon back into the bottle
- Graduations are made with white enamel which increases the visibility with dark solution

Cat. No.	Capacity mL	Graduation Interval mL	Tolerance $\pm$ mL	Pack Size
AB21100010	10	0.05	0.05	1
AB21100013	25	0.10	0.10	1
AB21100016	50	0.10	0.10	1
AB21100018	100	0.20	0.20	1



**Note:-** Can be supplied in Glass and Boroflo Stopcock upon request



## DI22000 - Dishes, Crystallizing

- Reinforced and fire polished rims reduce chipping
- Large labeling field for easy marking
- High resistance to thermal shocks
- High Chemical resistance

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
DI22000061	40 x 25	45	6
DI22000062	50 x 25	50	6
DI22000063	60 x 35	80	6
DI22000064	70 x 40	150	6
DI22000065	80 x 45	175	6
DI22000066	95 x 55	270	6
DI22000068	140 x 75	1200	6



## DI22010 - Dishes, Evaporating, Flat Bottom, With Pour Out

- Designed with a spout to facilitate clean pouring
- Beaded edge provides better mechanical strength
- Withstands to repeated sterilization (wet & dry)

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
DI22010065	80 x 45	140	6
DI22010066	90 x 50	170	6
DI22010067	95 x 55	270	6
DI22010068	105 x 55	290	6
DI22010069	140 x 80	1200	6



## DI22020 - Dishes, Culture, Petri, Borosilicate

- Beaded edge provides better mechanical strength
- Withstands to repeated sterilization (wet & dry)

Cat. No.	Approx. O.D. x Height mm	Pack Size
DI22020062	50 x 17	10
DI22020065	80 x 17	10
DI22020067	100 x 17	10
DI22020069	150 x 20	10



## DI22030 - Dishes, Culture, Petri, Sodalime

- Beaded edge provides better mechanical strength
- Withstands to repeated sterilization (wet & dry)

Cat. No.	Approx. O.D. x Height mm	Pack Size
DI22030062	50 x 17	10
DI22030065	80 x 17	10
DI22030067	100 x 17	10
DI22030069	150 x 20	10



## DE23000 - Desiccators, With Cover and Porcelain Plate, Borosilicate

- Complies with IS 6128
- Simple design for drying under atmospheric pressure
- Plates are placed on an internal ledge

Cat. No.	Approx. Flange ID mm	Pack Size
De23000081	150	1
DE23000082	210	1
DE23000083	250	1
DE23000084	300	1



## DE23010 - Desiccators, Vacuum with Cover and Porcelain Plate, Borosilicate

- Complies with IS 6128
- Simple design for drying under atmospheric pressure
- Plates are placed on an internal ledge

Cat. No.	Approx. Flange ID mm	Pack Size
DE23010081	150	1
DE23010082	210	1
DE23010083	250	1
DE23010084	300	1



## DE23020 - Desiccators, With Cover and Porcelain Plate, Neutral Glass

- Complies with IS 6128
- Simple design for drying under atmospheric pressure
- Plates are placed on an internal ledge

Cat. No.	Approx. Flange ID mm	Pack Size
DE23020081	150	1
DE23020082	210	1
DE23020083	250	1
DE23020084	300	1



## DE23030 - Desiccators, Vacuum with Cover and Porcelain Plate, Neutral Glass

- Complies with IS 6128
- Simple design for drying under atmospheric pressure
- Plates are placed on an internal ledge

Cat. No.	Approx. Flange ID mm	Pack Size
DE23030081	150	1
DE23030082	210	1
DE23030083	250	1
DE23030084	300	1



## FU24000 - Funnels, Separating, Pear Shape, With Stopcock And Interchangeable Stopper

- Complies with DIN 4800
- Generally used in separation phase
- Comes with Straight Bore Glass Stopcock

Cat. No.	Capacity mL	Stopper Size	Pack Size
FU24000017	60	14/23	4
FU24000019	125	19/26	4
FU24000022	250	24/29	4
FU24000025	500	24/29	4
FU24000028	1000	29/32	4
FU24000029	2000	29/32	4



## FU24010 - Funnels, Separating, Pear Shape, With Stopcock and Interchangeable Stopper

- Complies with DIN 4800
- Generally used in separation phase
- Comes with Boroflo Stopcock

Cat. No.	Capacity mL	Stopper Size	Pack Size
FU24010017	60	14/23	4
FU24010019	125	19/26	4
FU24010022	250	24/29	4
FU24010025	500	24/29	4
FU24010028	1000	29/32	4
FU24010029	2000	29/32	4



## FU24020 - Funnels, Separating, Pear Shape, With Stopcock And Interchangeable Stopper

- Complies with DIN 4800
- Generally used in separation phase
- Comes with PTFE stopcock

Cat. No.	Capacity mL	Stopper Size	Pack Size
FU24020017	60	14/23	4
FU24020019	125	19/26	4
FU24020022	250	24/29	4
FU24020025	500	24/29	4
FU24020028	1000	29/32	4
FU24020029	2000	29/32	4



**Note:-** All above funnel categories can be provided with graduations

# FUNNELS

## FU24030 - Funnels, Separating, Globe Shape with Stopcock and Interchangeable Stopper

- Generally used in separation phase
- Comes with PTFE stopcock
- Manufactured from heat and chemical resistance borosilicate glass

Cat. No.	Capacity mL	Stopper Size	Pack Size
FU24030019	125	19/26	4
FU24030022	250	24/29	4
FU24030025	500	24/29	4
FU24030028	1000	29/32	4
FU24030029	2000	29/32	4



## FU24040 - Funnels, Pressure Equalising Cylindrical, With Stopcock

Cat. No.	Capacity mL	Pack Size
FU24040016	50	2
FU24040018	100	2
FU24040020	150	2
FU24040022	250	2
FU24040025	500	2
FU24040028	1000	2



## FU24041 - Funnels, Dropping Cylindrical, With Stopcock

Cat. No.	Capacity mL	Pack Size
FU24041016	50	2
FU24041018	100	2
FU24041020	150	2
FU24041022	250	2
FU24041025	500	2
FU24041028	1000	2



**Note:-** All above funnel categories can be provided with graduations

## FU24050- Funnels, Plain, 60° Angle, Short Stem

- Complies with DIN 4798
- Designed with a 60° bowl angle to ensure precise fitting of Filter paper

Cat. No.	External Top Dia. mm	Stem Length mm	Stem O.D. mm	Total Height mm	Filter Paper Dia. mm	Pack Size
FU24050013	25	25	8	52	45-55	10
FU24050014	35	35	8	60	45-55	10
FU24050016	50	45	8	78	55-70	10
FU24050017	65	75	8	125	70-90	10
FU24050117	75	82	8	144	90-105	10
FU24050018	100	106	10	186	150-185	10
FU24050019	125	122	12	220	185-240	10
FU24050020	150	154	16	270	240-270	10



## FU24060 - Funnels, Plain, 60° Angle, Long Stem

- Designed with a 60° bowl angle to ensure precise fitting of Filter paper
- Stem length of 150 mm

Cat. No.	External Top Dia. mm	Stem O.D. mm	Total Height mm	Filter Paper Dia. mm	Pack Size
FU24060017	70	8	205	70-90	10
FU24060117	80	8	215	90-150	10
FU24060018	105	8	237	150-185	10



## FU24070 - Funnels, Thistle

- Manufactured from chemical and heat resistance borosilicate glass

Cat. No.	Approx. O.D. mm	Total Length mm	Pack Size
FU24070023	34	300	6



## FU24080 - Funnels Powder, Plain Stem

- Ideal for transferring powders
- With short wide stem for easy flow

Cat. No.	External Top Dia. mm	Pack Size
FU24080019	125	10
FU24080020	150	10
FU24080022	200	10



## FU24090 - Funnels Powder, Stem With Cone

- Ideal for transferring powders
- With short wide stem for easy flow

Cat. No.	External Top Dia. mm	Cone Size mm	Pack Size
FU24080019	125	24/29	10
FU24080020	150	24/29	10
FU24080022	200	24/29	10





## TU25000 - Culture Tubes, Round Bottom, with PP Screw Cap And PTFE Liner

- Made from Borosilicate glass

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25000T01	16 x 75	5	100
TU25000T02	16 x 125	10	100
TU25000T03	16 x 150	15	100
TU25000T04	18 x 150	25	100
TU25000T05	25 x 100	30	100
TU25000T06	25 x 150	45	50
TU25000T07	25 x 200	60	50
TU25000T08	32 x 200	100	50
TU25000T09	38 x 200	150	50



## TU25010 - Culture Tubes, Round Bottom, with PP Screw Cap And PTFE Liner, Amber

- Made from Borosilicate glass

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25010T01	16 x 75	5	100
TU25010T02	16 x 125	10	100
TU25010T03	16 x 150	15	100
TU25010T04	18 x 150	25	100
TU25010T05	25 x 100	30	100
TU25010T06	25 x 150	45	50
TU25010T07	25 x 200	60	50
TU25010T08	32 x 200	100	50
TU25010T09	38 x 200	150	50



## TU25020 - Culture Tubes, Flat Bottom, with PP Screw Cap And PTFE Liner

- Made from Borosilicate glass

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25020T01	16 x 50	5	100
TU25020T02	25 x 50	10	100
TU25020T03	25 x 57	15	100
TU25020T04	24 x 72	20	100
TU25020T05	25 x 95	30	100
<b>TU25020T55</b>	<b>28 x 95</b>	<b>40</b>	<b>100</b>
TU25020T06	25 x 150	50	100
TU25020T07	28 x 140	60	100



**Note:-** Culture tubes available with Polycone lined PP/Phenolic screw caps. Please ask for prices separately.

## TU25030 - Culture Tubes, Flat Bottom with PP Screw Cap and PTFE Liner, Amber

- Made from Borosilicate glass
- Comes with PTFE liner

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25030T01	16 x 75	5	100
TU25030T02	16 x 125	10	100
TU25030T03	16 x 150	15	100
TU25030T04	18 x 150	25	100
TU25030T05	25 x 100	30	100
TU25030T55	28 x 95	40	100
TU25030T06	25 x 150	50	100
TU25030T07	25 x 200	70	100
TU25030T08	32 x 200	100	100

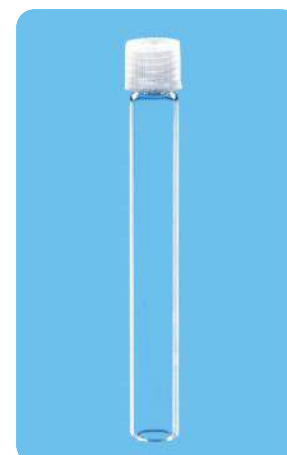


**Note:-** Culture tubes available with Polycone lined PP/Phenolic screw caps. Please ask for prices separately.

## TU25040 - Culture Tubes, Flat Bottom With Colorless PP Screw Cap

- Extensively used in Media Preparation Industries

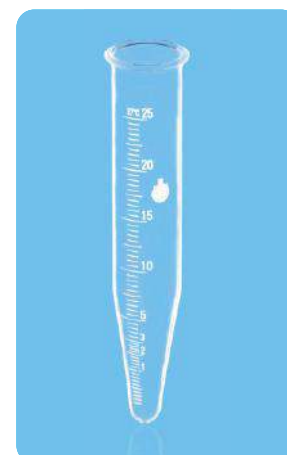
Cat. No.	Approx. O.D. x Height mm	Pack Size
TU25040T01	13 x 100	100
TU25040T02	16 x 125	100
TU25040T03	20 x 125	100



**TU25050 - Tubes, Centrifuge, Graduated**

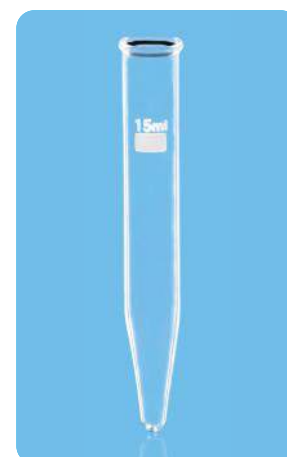
- Centrifuge tube with white enamel graduation
- Manufactured from Borosilicate glass
- Conical shape with rim

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25050T10	15 x 110	10	50
TU25050T11	17 x 120	15	50
TU25050T13	22 x 125	25	50
TU25050T16	29 x 140	50	50

**TU25060- Tubes, Centrifuge, Plain**

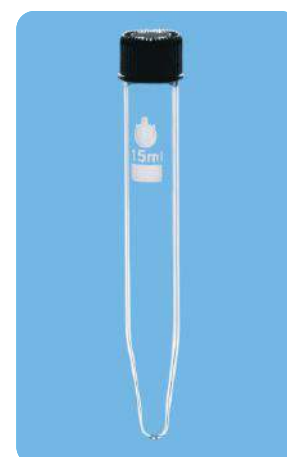
- Manufactured from Borosilicate glass
- Conical shape with rim

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25060T10	15 x 110	10	50
TU25060T11	17 x 120	15	50
TU25060T13	22 x 125	25	50
TU25060T16	29 x 140	50	50

**TU25070- Tubes, Centrifuge, Plain, Screw Cap**

- Manufactured from Borosilicate glass
- Conical shape with rim
- Comes with PTFE cap

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25070T10	15 x 125	10	50
TU25070T11	17 x 135	15	50
TU25070T16	28 x 145	50	50



## TU25080 - Tubes, Centrifuge, Graduated, Screw Cap

- Centrifuge tube with white enamel graduation
- Manufactured from Borosilicate glass
- Conical shape with rim
- Comes with PTFE cap

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25080T10	15 x 125	10	50
TU25080T11	17 x 135	15	50
TU25080T16	28 x 145	50	50



## TU25090 - Tubes, Centrifuge, Graduated, interchangeable stopper

- Centrifuge tube with white enamel graduation
- Manufactured from Borosilicate glass
- Conical shape with rim
- Comes with interchangeable joint

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25090T10	15 x 125	10	50
TU25090T11	17 x 135	15	50
TU25090T16	28 x 145	50	50



**TU25100- Tubes, Centrifuge, Plain, Interchangeable Stopper**

- Manufactured from Borosilicate glass
- Conical shape with rim
- Comes with interchangeable joint

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25100T10	15 x 125	10	50
TU25100T11	17 x 135	15	50
TU25100T16	28 x 145	50	50

**TU25110- Tubes, Oil Centrifuge, 8 ", Graduated**

- Manufactured from 3 3 Low Expansion USP Type 1 Borosilicate glass
- Calibrated to contain
- Graduated are printed In White enamel
- Top is tooled to accept snap cap

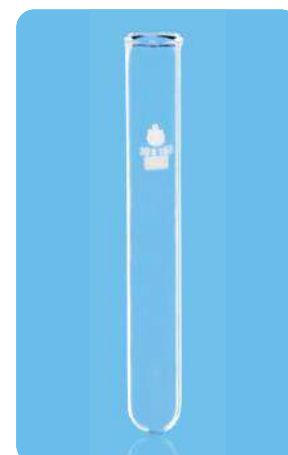
Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TU25110018	37 x 203	100	50



## TT26000 - Test Tube, Round Bottom, With Rim

- Complies to DIN 4142
- Manufacture from Borosilicate glass

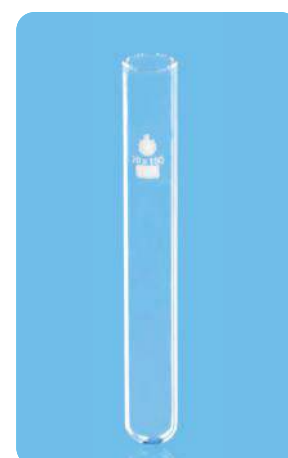
Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TT26000T03	10 x 75	3	100
TT26000T05	12 x 75	5	100
TT26000T07	12 x 100	7	100
TT26000T13	15 x 125	13	100
TT26000T15	15 x 150	15	100
TT26000T25	18 x 150	25	100
TT2600034	20 x 150	34	100
TT26000T38	25 x 150	38	100
TT26000T55	25 x 200	55	100
TT26000TA1	32 x 200	100	50
TT26000TA2	38 x 200	170	50



## TT26010 - Test Tube, Round Bottom, Without Rim

- Complies to DIN 4142
- Manufactured from Borosilicate glass

Cat. No.	Approx. O.D. x Height mm	Capacity mL	Pack Size
TT26010T01	7 x 60	1	100
TT26010T03	10 x 75	3	100
TT26010T05	12 x 75	5	100
TT26010T08	12 x 100	8	100
TT26010T10	15 x 125	10	100
TT26010T15	15 x 150	15	100
TT26010T16	16 x 100	12	100
TT26010T17	16 x 150	20	100
TT26010T25	18 x 150	25	100
TT26010T50	25 x 150	50	100
TT26010T75	25 x 200	75	100
TT26010TA1	32 x 200	100	50
TT26010TA2	38 x 200	170	50



**WS27000 - Weighing Scoop**

- Ideal for weighing Small quantities of powders and dyes
- Has open tubular arm

Cat. No.	Capacity mL	Pack Size
WS27000003	3	6
WS27000006	6	6
WS27000010	10	6
WS27000012	20	6
WS27000015	40	6

**WD27010 - Weighing Dishes Polystyrene**

- Ideal for weighing Small quantities of powders and dyes

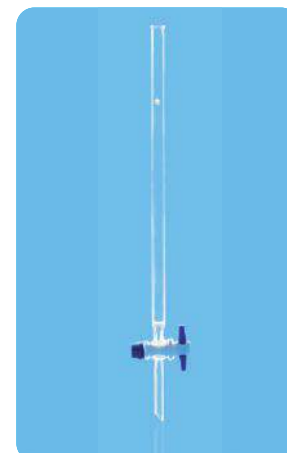
Cat. No.	Dimensions mm	Capacity mL	Pack Size
WD27010003	44 x 44	7	125
WD27010006	80 x 80	100	125
WD27010010	140 x 140	250	125



## CC28000 - Columns, Chromatography, Plain with Sintered Disc and PTFE Stopcock

- Comes with PTFE stopcock
- Used for purification of individual compound from mixtures of compounds
- Comes with sintered disc of Porosity 160-250  $\mu\text{m}$

Cat. No.	Length mm	Disc Dia. mm	Pack Size
CC28000081	150	10	4
CC28000082	200	15	4
CC28000084	300	15	4
CC28000086	400	20	4
CC28000186	400	30	4
CC28000087	500	30	4
CC28000187	500	40	4
CC28000088	600	40	4
CC28000091	1000	40	4

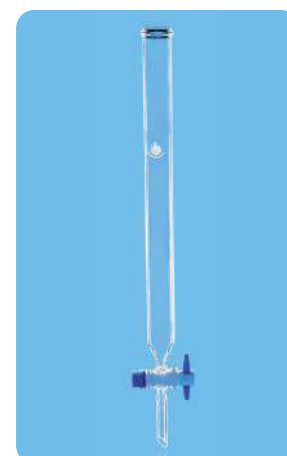


**Note:-** The columns with Glass and Boroflo Stopcocks are available on request.

## CC28010 - Columns, Chromatography, Plain with PTFE Stopcock

- Comes with PTFE stopcock
- Used for purification of individual compound from mixtures of compounds

Cat. No.	Length mm	Disc Dia. mm	Pack Size
CC28010082	200	10	4
CC28010084	300	15	4
CC28010087	500	20	4
CC28010088	600	25	4
CC28010188	600	40	4
CC28010091	1000	50	4



**Note:-** The columns with Glass and Boroflo Stopcocks are available on request.



## SW29000 - 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
- In order to avoid strain, they should not be removed from the furnace until the temperature has dropped to 250°C
- Crucibles should not be subjected to sudden temperature change



Cat. No.	Capacity mL	Porosity Grade mm	Dia. of Disc mm	Approx. Height mm	Pore Size in $\mu\text{m}$	Pack Size
SW29000111	15	1	20	50	160-250	4
SW29000211	15	2	20	50	100-160	4
SW29000311	15	3	20	50	40-100	4
SW29000411	15	4	20	50	16-40	4
SW29000511	15	5	20	50	10-16	4
SW290001M1	30	1	30	60	160-250	4
SW290002M1	30	2	30	60	100-160	4
SW290003M1	30	3	30	60	40-100	4
SW290004M1	30	4	30	60	16-40	4
SW290005M1	30	5	30	60	10-16	4
SW29000125	50	1	40	65	160-250	4
SW29000225	50	2	40	65	100-160	4
SW29000325	50	3	40	65	40-100	4
SW29000425	50	4	40	65	16-40	4
SW29000525	50	5	40	65	10-16	4

## SW29010 - Funnels, Buchner Type, with Sintered Disc

- Made of 3.3 borosilicate glass
- Generally used in qualitative inorganic analysis and preparative chemistry



Cat. No.	Capacity mL	Porosity Grade mm	Dia. of Disc mm	Approx. Height mm	Pore Size in $\mu\text{m}$	Pack Size
SW29010114	35	1	30	130	160-250	4
SW29010214	35	2	30	130	100-160	4
SW29010314	35	3	30	130	40-100	4
SW29010414	35	4	30	130	16-40	4
SW29010514	35	5	30	130	10-16	4
SW290101M3	80	1	35	142	160-250	4
SW290102M3	80	2	35	142	100-160	4
SW290103M3	80	3	35	142	40-100	4
SW290104M3	80	4	35	142	16-40	4
SW290105M3	80	5	35	142	10-16	4
SW29010121	200	1	68	215	160-250	4
SW29010221	200	2	68	215	100-160	4
SW29010321	200	3	68	215	40-100	4
SW29010421	200	4	68	215	16-40	4
SW29010521	200	5	68	215	10-16	4
SW29010125	500	1	92	258	160-250	4
SW29010225	500	2	92	258	100-160	4
SW29010325	500	3	92	258	40-100	4
SW29010425	500	4	92	258	16-40	4
SW29010525	500	5	92	258	10-16	4
SW29010128	1000	1	124	276	160-250	4
SW29010228	1000	2	124	276	100-160	4
SW29010328	1000	3	124	276	40-100	4
SW29010428	1000	4	124	276	16-40	4
SW29010528	1000	5	124	276	10-16	4

## SW29020 - Crucible for Dietary Fibre Extraction

Cat. No.	Capacity mL	Porosity Grade mm	Dia. of Disc mm	Approx. Height mm	Pore Size in $\mu\text{m}$	Pack Size
SW290201M1	30	1	30	60	160-250	4
SW290202M1	30	2	30	60	100-160	4
SW290203M1	30	3	30	60	40-100	4
SW290204M1	30	4	30	60	16-40	4



## SW29030 - Funnel with Filter Disc

Cat. No.	Capacity mL	Porosity Grade mm	Approx. Height mm	Pore Size in $\mu\text{m}$	Pack Size
SW29030113	25	1	55	160-250	4
SW29030213	25	2	55	100-160	4
SW29030313	25	3	55	40-100	4
SW29030413	25	4	55	16-40	4
SW290301M4	170	1	100	160-250	4
SW290302M4	170	2	100	100-160	4
SW290303M4	170	3	100	40-100	4
SW290304M4	170	4	100	16-40	4



## KA30000 - Gas Generator, Kipps

- Used in producing CO<sub>2</sub>, Hydrogen Sulphide and other common gases
- Comes with quality interchangeable joint for leakage free operation
- Manufactured from Borosilicate Glass

Cat. No.	Extractor Capacity mL	Pack Size
KA30000025	500	1
KA30000028	1000	1



## SPECIAL ATTRACTION

### COOKING BULB

- For Determination of Carbon Residue in Petroleum products
- As per ASTM D524
- Available in size 25 x 57 ( Height x Diameter)



## CN40000 - Cones, Imhoff, Sediment, Sharp Tip

- Complies to IS 7232
- Graduated from 0 to 1mL 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

Cat. No.	Approx. Total Height mm	Approx. Top Diameter mm	Pack Size
CN40000094	454	110	1



## CN40010 - Cones, Imhoff, Sediment, Blunt Tip

- 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
- The blunt tip increases its ruggedness and cleaning ease

Cat. No.	Approx. Total Height mm	Approx. Top Diameter mm	Pack Size
CN40001094	439	110	1



**Note:-** Both the above cones can be provided with a PTFE stopcock



## WG50000 - Watch Glasses, GSGI S-Line

- Made of Soda glass

Cat. No.	Approx. Diameter mm	Pack Size
WG50000080	80	1
WG50000100	100	1
WG50000120	120	1
WG50000150	150	1



## RR50010 - Raschig Rings

Cat. No.	Approx. Diameter mm	Wall Thickness mm	Pack Size (Kg)
RR50010R05	5 x 5	1.5	1
RR50010R06	6 x 6	1.2	1
RR50010R07	7 x 7	1.2	1



## FA60000 - All Glass Filter Holder - 47mm, Filtration Assembly

- Comes with joint size 40/35 (Male on flask and female on funnel support)
- Ideal for HPLC solvents purification, particulate analysis, bacteriological studies, radiochemical determinations, quantitative gravimetric analysis and similar applications
- The anodized aluminium clamp secures the filter support base and graduated funnel in place
- Complete assembly includes Flask, Graduated Funnel, Filter support base, anodized aluminium clamp

Cat. No.	Capacity mL	Filtration Base Size mm	Pack Size
FA60000025	500	47	1
FA60000028	1000	47	1
FA60000029	2000	47	1
FA60000031	5000	90	1



## FA60010 - All Glass Filter Holder - 47mm, Filtration Assembly

- Ideal for HPLC solvents purification, particulate analysis, bacteriological studies, radiochemical determinations, quantitative gravimetric analysis and similar applications
- Filter base comes with silicon stopper
- The anodized aluminium clamp secures the filter support base and graduated funnel in place
- Complete assembly includes Flask, Graduated Funnel, Filter support base, anodized Aluminium Clamp, Silicon stopper

Cat. No.	Capacity mL	Filtration Base Size mm	Pack Size
FA60010028	1000	47	1
FA60010029	2000	47	1



### FA60020 - Glass Filter Holder with Silicon Stopper - 25 mm

- Ideal for HPLC solvents purification, particulate analysis, Bacteriological studies, Radiochemical determinations, quantitative gravimetric analysis and similar applications
- Filter base comes with silicon stopper
- The anodized Aluminium clamp secures the filter support base and graduated funnel in place
- Complete assembly includes Flask, Graduated Funnel, Filter support base, anodized Aluminium Clamp, Silicon stopper

Cat. No.	Capacity mL	Filtration Base Size mm	Pack Size
FA60020019	250	25	1



### FA60030 - All Glass Filter Holder 47 mm, Filtration Assembly With Screw Cap Bottle Reservoir

- Designed to collect the filtrate directly into a standard laboratory GL-45 screw cap bottle
- Glass components are manufactured for 3.3 low expansion borosilicate USP type 1 glass
- Ideal for HPLC solvents purification, particulate analysis, bacteriological studies, radiochemical determinations, quantitative gravimetric analysis and similar applications
- Complete assembly includes GL-45 Screw cap Bottle, Graduated Funnel, Filter support base, anodized Aluminium Clamp

Cat. No.	Capacity mL	Filtration Base Size mm	Pack Size
FA60030025	500	47	1
FA60030028	1000	47	1
FA60030029	2000	47	1



**Note:-** GL-45 Screw cap bottles can be supplied in other capacities as well based on request



**FA60040 - Filtering Funnel with Silicon Stopper and anodized Aluminium Clamp**

- Filter base comes with silicon stopper
- The anodized Aluminium clamp secures the filter support base and graduated funnel in place
- Complete assembly Graduated Funnel, Filter support base, anodized Aluminium Clamp, Silicon Stopper

Cat. No.	Cup Capacity mL	Filtration Base Size mm	Pack Size
FA60040001	300	47	1



**Coming Soon...  
Vacuum Filtration Assembly**



## Vials: 2 mL, ND 8 mm, 12 x 32 mm Screw Neck Vial

- Compatible with Vials Inerts
- Comes with Bonded Plain and Pre-Slit Bonded Septa

Cat. No.	Description	Pack Size
V00802CPS00	2 mL, 8 mm Screw Neck Vial, 12 x 32 mm (Dia. x Height), Clear Glass with White Patch	100
V00802APS00	2 mL, 8 mm Screw Neck Vial, 12 x 32 mm (Dia. x Height), Amber Glass with White Patch	100
SC0802BB000	8 mm, Black PP Screw Cap, PTFE/Silicone Septum Bonded	100
SC0802BPS00	8 mm, Black PP Screw Cap, PTFE/Silicone Septum Bonded Preslit	100



## Vials: 2 mL, ND 9mm, 12 x 32 mm Screw Neck Vial (Universal Compatible Vials)

- Compatible with Vials Inerts
- Comes with Bonded Plain and Pre-Slit Bonded Septa

Cat. No.	Description	Pack Size
V00902CPS00	2 mL, 9 mm Screw Neck Vial, 12 x 32 mm (Dia. x Height), Clear Glass with White Patch	100
V00902APS00	2 mL, 9 mm Screw Neck Vial, 12 x 32 mm x Height), Amber Glass with White Patch	100
SC0902BB000	9 mm Blue PP Screw Cap, PTFE/Silicone Septum Bonded	100
SC0902BPS00	9 mm Blue PP Screw Cap, PTFE/Silicone Septum Bonded Preslit	100



## Vials: 2 mL, ND 11 mm, 12 x 32 mm Crimp Neck Vial

- Compatible with ND 11 mm PTFE Silicone Septa Aluminium Crimp Cap
- Comes with Bonded Plain and Pre-Slit Bonded Septa

Cat. No.	Description	Pack Size
V01102CPC00	2 mL, 11 mm Crimp Neck Vial, 12 x 32 mm (Dia. x Height), Clear Glass with White Patch	100
V01102APC00	2 mL, 11 mm Crimp Neck Vial, 12 x 32 mm (Dia. x Height), Amber Glass with White Patch	100
CC1102A0000	2mL, 11 mm, Crimp Cap Aluminium, PTFE/Silicone Septum Bonded	100
CC1102APS00	2mL, 11 mm, Crimp Cap Aluminium, PTFE/Silicone Septum Bonded Preslit	100



## Vials: 2 mL, ND 11 mm, 12 x 32 mm Snap Neck Vial

- Compatible with ND 11 mm PTFE Silicone Septa Snap Cap
- Comes with PTFE/Silicon and Pre-Slit PTFE/Silicon Septa

Cat. No.	Description	Pack Size
V01102CPN00	2 mL, 11 mm Snap Neck Vial, 12 x 32 mm (Dia. x Height), Clear Glass with White Patch	100
V01102APN00	2 mL, 11 mm Snap Neck Vial, 12 x 32 mm (Dia. x Height), Amber Glass with White Patch	100
NC1102A0000	2 mL, 11 mm, Snap Clear Cap, PTFE/Silicone Septum Bonded	100
NC1102APS00	2 mL, 11 mm, Snap Clear Cap, PTFE/Silicone Septum Bonded Preslit	100



## Vials: 4 mL, ND 13 mm, 15 x 45 mm Screw Neck Vial

- Compatible with ND 13 mm PTFE Silicone Septa Cap
- Comes with Bonded Septa

Cat. No.	Description	Pack Size
V01304CPS00	4 mL, 13 mm Screw Neck Vial, 14.75 x 45 mm (Dia. x Height), Clear Glass with White Patch	100
V01304APS00	4 mL, 13 mm Screw Neck Vial, 14.75 x 45 mm (Dia. x Height), Amber Glass with White Patch	100
SC1304BB000	13 mm, Black PP Screw Cap, PTFE/Silicone Septum Bonded	100



## Vials: GC/Headspace Vial , 20 mm ND

- Compatible with ND 20 mm PTFE Silicone Septa Aluminium Crimp Cap

Cat. No.	Description	Pack Size
V02005CUCF0	5 mL, GC/Headspace 20 mm, Crimp Neck, Flat Bottom, Clear Glass Vials	100
V02010CUCF0	10 mL, GC/Headspace 20 mm, Crimp Neck, Flat Bottom, Clear Glass Vials	100
V02020CUCF0	20 mL, GC/Headspace 20 mm, Crimp Neck, Flat Bottom, Clear Glass Vials	100
V02020CUCR0	20 mL, GC/Headspace 20 mm, Crimp Neck, Round Bottom, Clear Glass Vials	100
CC2020A0000	20 mL, GC/Headspace Aluminium Crimp Caps, Ultra Low Bleed PTFE/Silicone Septum	100
VO2020CPS00	20 mL, GC/Headspace Screw Vials, 20 ml, 22.50 x 75 mm (Dia. x Height), Flat Bottom	100
SC2020M0000	20 mL, GC/Headspace Screw Cap Magnetic Closure, Ultra Low Bleed PTFE/Silicone Septum	100
CT2000AV000	Rubber Stopper Central Tear off	100



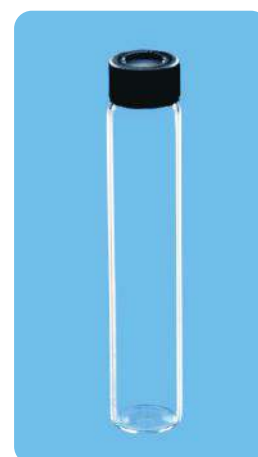
## TOC Vials: 40 ml, ND 24 mm, Screw Cap

Cat. No.	Description	Pack Size
VC2440CUSFT	TOC/EPA Clear Vials 40 mL Screw Cap With PTFE/Silicon Septa	100
VC2440AUSFT	TOC/EPA Amber Vials 40 mL Screw Cap With PTFE/Silicon Septa	100



## VOA Vials: 40 ml, ND 24 mm, Screw Cap

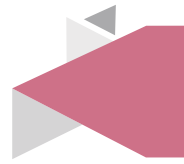
Cat. No.	Description	Pack Size
VC2440CUVOA	VOA/EPA Clear Vials 40 mL Screw Cap With PTFE/Silicon Septa	100
VC2440AUVOA	VOA/EPA Amber Vials 40 mL Screw Cap With PTFE/Silicon Septa	100
VC2460CUVOA	VOA/EPA Clear Vials 60 mL Screw Cap With PTFE/Silicon Septa	100
VC2460AUVOA	VOA/EPA Amber Vials 60 mL Screw Cap With PTFE/Silicon Septa	100



## Injection Vials For Antibiotics

Cat. No.	Description	Capacity mL	Pack Size
VC2050CUIVO	Injection Vials	50	36
VC20100CUIV	Injection Vials	100	36
RS2000GU000	Rubber Stopper Grey	—	36





## PS70000 - Narrow Mouth Bottle, PP

Cat. No.	Capacity mL	Pack Size
PS70000017	60	12
PS70000019	125	12
PS70000022	250	12
PS70000025	500	12
PS70000028	1000	6

**Note:-** Smaller Capacities can be provided on request



## PS70010 - Narrow Mouth Bottle, HDPE

Cat. No.	Capacity mL	Pack Size
PS70010017	60	12
PS70010019	125	12
PS70010022	250	12
PS70010025	500	12
PS70010028	1000	6

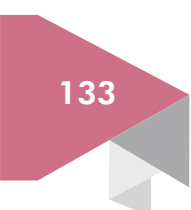
**Note:-** Smaller Capacities can be provided on request



## PS70020 - Narrow Mouth Bottle, HDPE, Amber

Cat. No.	Capacity mL	Pack Size
PS70020017	60	12
PS70020019	125	12
PS70020022	250	12
PS70020025	500	12
PS70020028	1000	6

**Note:-** Smaller Capacities can be provided on request



**PS70030 - Wide Mouth Bottle, PP**

Cat. No.	Capacity mL	Pack Size
PS70030017	60	12
PS70030019	125	12
PS70030022	250	12
PS70030025	500	12
PS70030028	1000	6

**Note:-** Smaller Capacities can be provided on request



**PS70040 - Wide Mouth Bottle, HDPE**

Cat. No.	Capacity mL	Pack Size
PS70040017	60	12
PS70040019	125	12
PS70040022	250	12
PS70040025	500	12
PS70040028	1000	6

**Note:-** Smaller Capacities can be provided on request

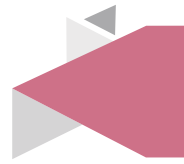


**PS70050 - Wide Mouth Bottle, HDPE, Amber**

Cat. No.	Capacity mL	Pack Size
PS70050017	60	12
PS70050019	125	12
PS70050022	250	12
PS70050025	500	12
PS70050028	1000	6

**Note:-** Smaller Capacities can be provided on request





## PS70060 - Wide Mouth Bottle with Handle, PP

Cat. No.	Capacity mL	Type	Pack Size
PS70060RP1	4000	Round PP	1
PS70060SP1	4000	Square PP	1
PS70060RH1	4000	Round HDPE	1
PS70060SH1	4000	Square HDPE	1



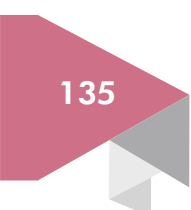
## PS70090 - Carboy, PP

Cat. No.	Capacity Ltr.	Pack Size
PS70090032	10	1
PS70090033	20	1
PS70090034	50	1



## PS70100 - Carboy With Spigot, PP

Cat. No.	Capacity Ltr.	Pack Size
PS70100032	10	1
PS70100033	20	1
PS70100034	50	1





**PS70110 - Carboy, Rectangular With Spigot, PP**

Cat. No.	Capacity Ltr.	Pack Size
PS70110031	5	1
PS70110032	10	1
PS70110033	20	1
PS70110034	50	1



**PS70120 - Wash Bottle**

Cat. No.	Capacity mL	Type	Pack Size
PS70120N19	125	Narrow Mouth LDPE	12
PS70120N22	250	Narrow Mouth LDPE	12
PS70120N25	500	Narrow Mouth LDPE	6
PS70120W22	250	Wide Mouth LDPE	6
PS70120W25	500	Wide Mouth LDPE	6



**PS70130 - Wash Bottle With Integral Spout LDPE**

Cat. No.	Capacity mL	Pack Size
PS70130019	125	12
PS70130022	250	12
PS70130025	500	6
PS70130035	750	6



## PS70140 - Wash Bottle Labelled

Cat. No.	Capacity mL	Chemical	Pack Size
PS70140A25	500	Acetone	6
PS70140D25	500	Distilled Water	6
PS70140I25	500	Isopropanol	6
PS70140E25	500	Ethanol	6
PS70140M25	500	Methanol	6
PS70140S25	500	Sodium Hypochlorite	6
Ps70140I25	500	Assorted	6



## PS70150 - Volumetric Flask Class B, PP

Cat. No.	Capacity mL	Pack Size
PS70150016	50	6
PS70150018	100	6
PS70150022	250	5



## PS70160 - Measuring Cylinder Class B, PP

Cat. No.	Capacity mL	Pack Size
PS70160010	10	12
PS70160013	25	12
PS70160016	50	12
PS70160018	100	6
PS70160022	250	6
PS70160025	500	6
PS70160028	1000	4
PS70160029	2000	4



**PS70170 - Beaker, PP**

Cat. No.	Capacity mL	Type	Pack Size
PS70170016	50	Without Handle	12
PS70170018	100	Without Handle	12
PS70170022	250	Without Handle	6
PS70170026	600	Without Handle	4
PS70170028	1000	Without Handle	3
PS70170029	2000	Without Handle	1
PS70170031	5000	Without Handle	1
PS70170H26	600	With Handle	6
PS70170H28	1000	With Handle	3
PS70170H29	2000	With Handle	1
PS70170H31	5000	With Handle	1


**PS70210 - Analytical Funnel, PP**

Cat. No.	Diameter mm	Filter Paper Dia. mm	Pack Size
PS70210M35	35	55	12
PS70210M45	45	70	12
PS70210M55	55	90	12
PS70210M65	65	110	12
PS70210M75	75	125	6
PS70210M90	90	150	6
PS70210M100	100	185	4
PS70210M160	160	240	2


**PS70220 - Powder Funnel, PP**

Cat. No.	Diameter mm	Filter Paper Dia. mm	Pack Size
PS70220M65	65	110	12
PS70220M80	80	125	12
PS70220M100	100	185	6
PS70220M150	150	240	4



**PS70240 - Membrane Filter Holder - 47 mm, PSF**

Cat. No.	Cap. Upper Cup mL	Cap. Lower Cup mL	Pack Size
PS70240022	250	250	1
PS70240025	500	500	1
PS70240028	1000	1000	1



**PS70250 - Reusable Bottle Top Filter, PSF**

Cat. No.	Capacity mL	Pack Size
PS70250022	250	1
PS70250025	500	1



**PS70260 - Handy Pipette, PP**

Cat. No.	Capacity mL	Pack Size
PS70260010	10	4
PS70260013	25	4



**PS70270 - Safety Bulb 3 Way, Natural Rubber**

Cat. No.	Capacity mL	Pack Size
PS70270018	100	4



**PS70280 - Pipette Rack Horizontal, PP**

Cat. No.	Places	Pack Size
PS70280M65	12	6



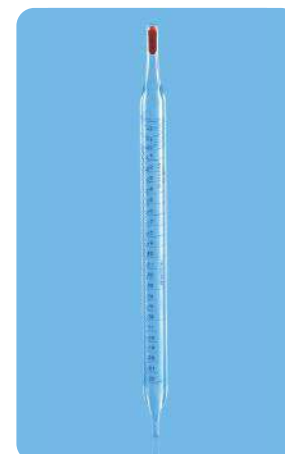
**PS70290 - Rotary Pipette Stand Vertical**

Cat. No.	Places	Pack Size
PS70290005	94	1



## PS70300 - Pipette, Serological Sterile, PS

Cat. No.	Capacity mL	Pack Size
PS70300001	1	500
PS70300001	2	500
PS70300005	5	250
PS70300010	10	200
PS70300013	25	100
PS70300016	50	100



## PS70320 - Pasteur Pipette, Sterile

Cat. No.	Capacity mL	Type	Pack Size
PS70320B01	1	Bulk Non-Sterile	500
PS70320S01	1	Individually Wrap Sterile	500
PS70320BS1	1	20 pcs per Bag Sterile	25
PS70320B03	3	Bulk Non-Sterile	500
PS70320S03	3	Individually Wrap Sterile	500
PS70320BS3	3	20 pcs per Bag Sterile	25



## PS70330 - Micro Centrifuge Tube, PP

- Complies to US FDA 21 CFR
- Autoclavable
- Withstand Centrifugation up to 20000 x G
- Certified RNase, DNase and Pyrogen free
- Smooth polished Inner surface that will never retain even a single droplet

Cat. No.	Capacity mL	Pack Size
PS703300A1	0.5	1000
PS703300B2	1.5	500
PS703300C3	2.0	500
PS703300D4	5.0	100



**Note:-** Amber Centrifuge tube can be provided on request

## PS70360 - Centrifuge Tube Conical Bottom, PP Tube/HDPE Closure

- Complies to USP Class VI
- Autoclavable
- Leak proof tubes
- Withstand Centrifugation up to 15000 x G
- Comes with printed volume graduation and writing area

Cat. No.	Capacity mL	Type	Pack Size
PS70360N11	15	Non-sterile	500
PS70360S11	15	Sterile	500
PS70360R11	15	Racked Sterile	500
PS70360N14	50	Non-sterile	500
PS70360S14	50	Sterile	500
PS70360R14	50	Racked Sterile	300



## PS70380 - Centrifuge Tube Self Standing

Cat. No.	Capacity mL	Type	Pack Size
PS70380S14	50	Sterile Bulk Pack	500



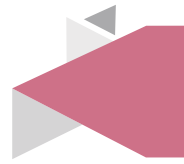
## PS70390 - Poly Wire Rack, Test Tube Re-Enforced Nylon, Blue Color

- Good chemical and thermal resistance
- Do not corrode or float in water bath

Cat. No.	Diameter mm	Place	Pack Size
PS70390P13	13	72	1
PS70390P16	16	72	1
PS70390P20	20	40	1
PS70390P25	25	40	1
PS70390P30	30	24	1



**Note:-** Available in Other Color options



### PS70400 - Poly Wire Rack, Half Test Tube Re-Enforced Nylon, Blue Color

Cat. No.	Diameter mm	Place	Pack Size
PS70400P13	13	36	1
PS70400P16	16	36	1
PS70400P20	20	20	1
PS70400P25	25	16	1
PS70400P30	30	9	1

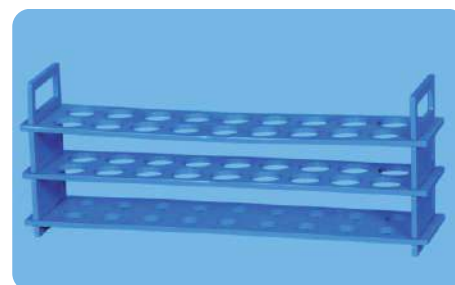
**Note:-** Available in Other Color options



### PS70410 - Test Tube Stand, RPP, Blue

Cat. No.	Diameter mm	Place	Pack Size
PS70410001	13	31	1
PS70410002	16	31	1
PS70410003	20	20	1
PS70410004	25	18	1
PS70410005	32	12	1

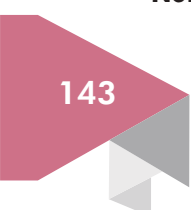
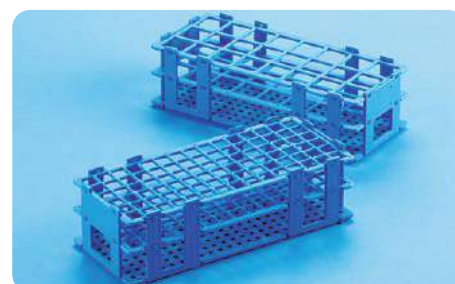
**Note:-** Available in Other Color options



### PS70420 - Polygrid Test Tube Stand, Re-Enforced PP, Autoclavable

Cat. No.	Size mm	Wells/Array	Approx. L x W x H mm	Pack Size
PS70420001	13	90/6 x 15	246 x 104 x 64	1
PS70420002	16	60/5 x 12	246 x 104 x 64	1
PS70420003	20	40/4 x 10	246 x 104 x 64	1
PS70420004	25	24/3 x 8	246 x 104 x 64	1

**Note:-** Available in Other Color options

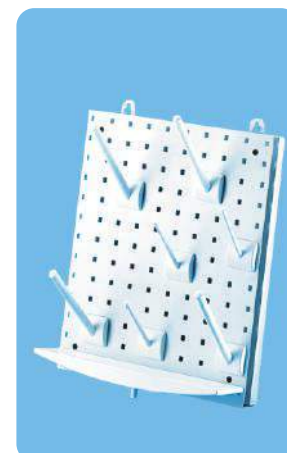




**PS70430- Drying Rack ABS/PC**

- Comes with detachable trough and has a drain hole for drainage of water.

Cat. No.	No. of Pegs	Pack Size
PS70430001	30	1



**PS70440 - Desiccator Plain, PP/PC**

Cat. No.	Diameter mm	Pack Size
PS70440083	250	1
PS70440084	300	1



**PS70460 - Desiccator Vacuum, PP/PC**

Cat. No.	Diameter mm	Pack Size
PS70460083	250	1
PS70460084	300	1



## PS70470 - Specimen Container, PC/PP

Cat. No.	Capacity mL	Pack Size
PS70470022	250	12
PS70470025	500	6



## PS70500 - Parafilm

Cat. No.	Size (W x L)	Pack Size
PS70500P01	2" x 250"	1
PS70500P02	4" x 125"	1



## PS70520 - Soft Loop Sterile, PS

Cat. No.	Description	Pack Size
PS70520P01	1 $\mu$ L Soft Loop	100
PS70520P02	10 $\mu$ L Soft Loop	100
PS70520P03	1 $\mu$ L Inoculation needle	100



**PS70540 - Sample Container, PP/HDPE**

Cat. No.	Capacity mL	Pack Size
PS70540014	50	384
PS70540S14	50 Sterile	384
PS70540016	100	280
PS70540S16	100 Sterile	280



**PS70560 - Petri Dish Aseptic, PS**

- Complies to US FDA 21 CFR

Cat. No.	Capacity mL	Pack Size
PS70560P01	90 x 14	500



**PS70570 - Slide Storage Rack,**

Cat. No.	Places	Pack Size
PS70570S01	100	6



**PS70580 - Octagon Magnetic Stirrer Barlike Draining Rack, PP**

Cat. No.	Size mm	Pack Size
PS70580M06	6 x 10	10
PS70580M08	8 x 14	10
PS70580M18	8 x 22	10
PS70580M28	8 x 30	10
PS70580M38	8 x 40	10
PS70580M48	8 x 50	10
PS70580M58	8 x 60	10
PS70580M12	12 x 76	10
PS70580M13	Assorted	10



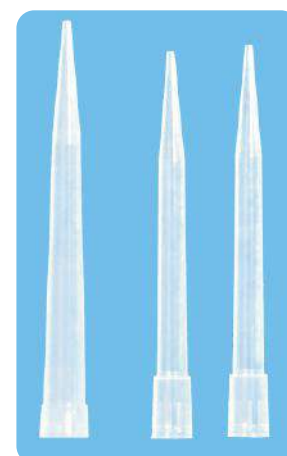
**PS70590 - Slide Dispenser, ABS/PC**

Cat. No.	Places	Pack Size
PS70590D11	50	2



**PS70600 - Pipette, Tips Bulk Pack, PP, Autoclavable, Universal**

Cat. No.	Capacity $\mu$ L	Type	Pack Size
PS70600B01	10 $\mu$ L (White)	Graduated	1000
PS70600B03	200 $\mu$ L (Yellow)	Graduated	1000
PS70600B04	1000 $\mu$ L (Blue)	Graduated	500
PS70600B05	5 mL (White)	Graduated	250
PS70600B06	10 mL (White)	Graduated	100



**PS70610 - Pipette, Tips Racked, PP, Autoclavable, Universal,**

Cat. No	Capacity $\mu\text{L}$	Type	Pack Size
PS70610R01	10 $\mu\text{L}$ (White)	Graduated	960
PS70610R02	200 $\mu\text{L}$ (Yellow)	Graduated	960
PS70610R03	1000 $\mu\text{L}$ (Blue)	Graduated	960



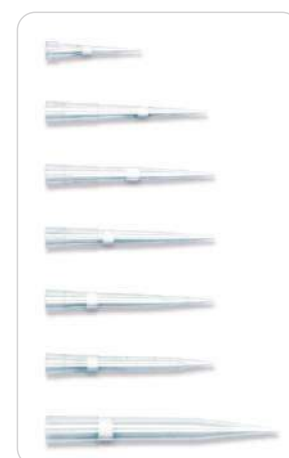
**PS70620 - Pipette Tips, Racked, PP, Autoclavable, Sterile, Universal**

Cat. No.	Capacity $\mu\text{L}$	Type	Pack Size
PS70620S01	10 $\mu\text{L}$ (White)	Graduated	960
PS70620S02	200 $\mu\text{L}$ (Yellow)	Graduated	960
PS70620S03	1000 $\mu\text{L}$ (Blue)	Graduated	960



**PS70630 - Pipette Tips, Filter, Bulk Bag, PP, Autoclavable, Universal**

Cat. No	Capacity $\mu\text{L}$	Type	Pack Size
PS70630B01	10 $\mu\text{L}$ (White)	Graduated	1000
PS70630B02	20 $\mu\text{L}$ (White)	Graduated	1000
PS70630B03	50 $\mu\text{L}$ (White)	Graduated	1000
PS70630B04	100 $\mu\text{L}$ (White)	Graduated	1000
PS70630B05	200 $\mu\text{L}$ (Yellow)	Graduated	1000
PS70630B06	1000 $\mu\text{L}$ (Blue)	Graduated	500



## PS70640 - Pipette Tips, Filter, Racked, PP, Autoclavable, Sterile, Universal

Cat. No.	Capacity $\mu\text{L}$	Type	Pack Size
PS70640R01	10 $\mu\text{L}$ (White)	Graduated	1000
PS70640R02	20 $\mu\text{L}$ (White)	Graduated	1000
PS70640R03	50 $\mu\text{L}$ (White)	Graduated	1000
PS70640R04	100 $\mu\text{L}$ (White)	Graduated	1000
PS70640R05	200 $\mu\text{L}$ (Yellow)	Graduated	1000
PS70640R06	1000 $\mu\text{L}$ (Blue)	Graduated	500



## PS70650 - Pipette Tips, Filter, Racked, Low Retention PP, Autoclavable, Sterile, Universal

Cat. No.	Capacity $\mu\text{L}$	Type	Pack Size
PS70650S01	10 $\mu\text{L}$ (White)	Graduated	1000
PS70650S02	20 $\mu\text{L}$ (White)	Graduated	1000
PS70650S03	50 $\mu\text{L}$ (White)	Graduated	1000
PS70650S04	100 $\mu\text{L}$ (White)	Graduated	1000
PS70650S05	200 $\mu\text{L}$ (Yellow)	Graduated	1000
PS70650S06	1000 $\mu\text{L}$ (Blue)	Graduated	500



## PS70660 - Pipette Tips, Box Empty, PP, Autoclavable

Cat. No.	Capacity $\mu\text{L}$	No. of Places	Pack Size
PS70660EB1	10 $\mu\text{L}$	96	10
PS70660EB2	200 $\mu\text{L}$	96	10
PS70660EB3	1000 $\mu\text{L}$	96	10



**Bottle Top Dispenser****LH80000 - Bottle Top Dispensers with Re-circulation Valve, Calibration and Accuracy as Per ISO 8655**

Cat. No.	Vol. Range mL	Increment mL	Accuracy $\pm$ mL	CV $\pm$ mL	Pack Size
LH80000S002	0.25 - 2.5	0.05	0.015	0.005	1
LH80000S005	0.5 - 5.0	0.10	0.025	0.005	1
LH80000S010	1.0 - 10.0	0.20	0.050	0.010	1
LH80000S030	2.5 - 30.0	0.50	0.150	0.030	1
LH80000S060	5.0 - 60.0	1.00	0.300	0.060	1
LH80000S100	10.0 - 100.0	2.00	0.500	0.100	1

**Note:-** Dispensers come with 28mm, 30mm, 32mm, 40mm & 45mm bottle neck adapters

**LH80010 - Dispensers Bottle Top Research Model - Fully Autoclavable, Calibration and Accuracy as Per ISO 8655**

Cat. No.	Vol. Range mL	Increment mL	Accuracy $\pm$ mL	CV $\pm$ mL	Pack Size
LH80010S002	0.25 - 2.5	0.05	0.012	0.004	1
LH80010S005	0.5 - 5.0	0.10	0.030	0.010	1
LH80010S010	1.0 - 10.0	0.20	0.060	0.020	1
LH80010S030	2.5 - 30.0	0.50	0.180	0.060	1
LH80010S060	5.0 - 60.0	1.00	0.360	0.120	1
LH80010S100	10.0 - 100.0	2.00	0.500	0.100	1

**Note:-** Dispensers come with 20mm, 32mm, 36mm, 40mm & 45mm bottle neck adapters

**LH80020 - Dispensers Bottle Top - With Dual Valve Technology Accuracy as Per ISO 8655**

Cat. No.	Capacity mL	Pack Size
LH80020S002	0.25 - 2.5	1
LH80020S005	0.5 - 5.0	1
LH80020S010	1.0 - 10.0	1
LH80020S030	2.5 - 30.0	1
LH80020S060	5.0 - 60.0	1
LH80020S100	10.0 - 100.0	1

**Note:-** Dispensers come with 28mm, 30mm, 32mm, 40mm & 45mm bottle neck adapters





## LH80070 - Fixed Volume Single Channel - Fully Autoclavable Micropipette, Calibration and Accuracy As Per ISO 8655

Cat. No.	Volume $\mu\text{L}$	Accuracy ( $\pm$ %)	CV ( %)	Pack Size
LH800700P01	1.0	2.5	1.8	1
LH800700P02	2.0	2.5	1.2	1
LH800700P05	5.0	1.5	0.8	1
LH800700P10	10.0	1.0	0.5	1
LH800700P12	20.0	0.5	0.3	1
LH800700P13	25.0	0.5	0.3	1
LH800700P14	50.0	0.3	0.3	1
LH800700P16	100.0	0.3	0.2	1
LH800700P19	200.0	0.3	0.2	1
LH800700P20	250.0	0.3	0.2	1
LH800700P22	500.0	0.3	0.2	1
LH800700P25	1000.0	0.3	0.2	1
LH800700P26	2000.0	0.3	0.2	1
LH800700P28	5000.0	0.3	0.2	1
LH800700P29	10000.0	0.3	0.2	1



## LH80080 - Variable Volume Single Channel - Fully Autoclavable - Micropipette, Calibration and Accuracy as Per ISO 8655

Cat. No.	Volume $\mu\text{L}$	Increment $\mu\text{L}$	CV ( %)	Pack Size
LH800800P02	0.2 - 2.0	0.002	6.0	1
LH800800P10	0.5 - 10.0	0.02	2.8	1
LH800800P12	2.0 - 20.0	0.02	1.5	1
LH800800P14	5.0 - 50.0	0.1	1.5	1
LH800800P16	10.0 - 100.0	0.2	0.7	1
LH800800P19	20.0 - 200.0	0.2	0.7	1
LH800800P25	100.0 - 1000.0	1.0	0.3	1
LH800800P28	500.0 - 5000.0	10.0	0.3	1
LH800800P29	1000.0 - 10000.0	20.0	0.3	1





**LH80090 - Variable Volume Multi Channel (8 Channel) Fully Autoclavable - Micropipette, Calibration and Accuracy as Per ISO 8655**

Cat. No.	Volume $\mu\text{L}$	Increment $\mu\text{L}$	CV ( %)	Pack Size
LH80090P10	0.5 - 10.0	0.10	4.0	1
LH80090P12	2 - 20	0.10	4.0	1
LH80090P14	5-50	1.0	2.0	1
LH80090P16	10-100	1.0	1.5	1
LH80090P19	20-200	1.0	0.8	1
LH80090P84	40-300	1.0	0.8	1



**LH80100 - Variable Volume Multi Channel (12 Channel) Fully Autoclavable Micropipette, Calibration and Accuracy as Per ISO 8655**

Cat. No.	Volume $\mu\text{L}$	Increment $\mu\text{L}$	CV ( %)	Pack Size
LH80100P10	0.5 - 10	0.10	4.0	1
LH80100P12	2 - 20	0.10	4.0	1
LH80100P14	5-50	1.0	2.0	1
LH80100P16	10-100	1.0	1.5	1
LH80100P19	20-200	1.0	0.8	1
LH80100P84	40-300	1.0	0.8	1



**LH80110 - Fixed Volume Miniature Micropipette Single Channel - Economy Fully Autoclavable, Calibration and Accuracy as Per ISO 8655**

Cat. No.	Volume $\mu\text{L}$	Accuracy ( $\pm$ %)	CV ( %)	Pack Size
LH80110P05	5	1.5	1.0	1
LH80110P10	10	1.0	1.0	1
LH80110P12	20	0.5	0.5	1
LH80110P13	25	0.5	0.5	1
LH80110P14	50	0.4	0.3	1
LH80110P16	100	0.3	0.3	1
LH80110P19	200	0.5	0.5	1
LH80110P20	250	0.5	0.5	1
LH80110P22	500	0.5	0.5	1
LH80110P25	1000	0.5	0.5	1



## LH80120 - Stands for Micro Pipette

Cat. No.	Description	Pack Size
LH80120003	Stand for 3 single channel pipettes	1
LH80120006	Stand for 6 single channel pipettes	1
LH80120008	Stand for 8 channel pipettes	1
LH80120012	Stand for 12 channel pipettes	1



## LH80130 - Electronic Pipette Filling Device

Cat. No.	Description	Pack Size
LH80130001	Blue Body/Blue Collet and Plunger 220 v	1



## LH80140 - Variable Volume Electronic Micropipettes Single Channel, Calibration and Accuracy as Per ISO 8655

Cat. No.	Volume $\mu\text{L}$	Increment $\mu\text{L}$	CV ( % )	Pack Size
LH80140002	0.2 - 10	0.05	10	1
LH80140005	5 - 120	0.5	1.5	1
LH80140020	20 - 300	1	0.7	1
LH80140050	50 - 1000	5	1.0	1
LH80140100	100 - 5000	10	0.4	1





GSGI takes immense pleasure in introducing our new range of Bench Top Lab Instruments under our Brand name G-Next. All instruments in this range are innovated in a manner that can incorporate all routine and advanced functions as required by chemists and are also compact and sleek so as to take lesser bench space as compared to other traditional instruments in this category.

**G-next Advantage:**

All our bench top instruments are designed with a user friendly interface. The Centrifuges have option of Data storage and allow USB interface for remote operations. All our slim magnetic stirrers are motorless and silent with best-in-class in technology. All our shakers, Vortex Mixtures & Centrifuges come with wide variety of adapters to choose for their specific needs.

For more information on our products, please see overleaf.



## MICRO CENTRIFUGES

- Unique closed rotor design for reduced friction
- Smart Robust Design for long life with digital display
- Electronic Safety Brake (on lid opening)- suitable for quick spins



**Micro Centrifuge**

- # Brushless DC motor for efficiency performance
- # Sensor based Imbalance detection
- # High efficiency  $\pm 25$  RPM (self-correcting at changing loads)



**High Speed Micro Centrifuge**

- # Maximum speed upto 15000 RPM (g force upto 15596 x g)
- # Compact unit with 12 Microtube capacity
- # Provision For USB

## Technical Information

Model	BL08MCV	M12HSMC12
Cat. No.	IM81010BL08MCV	IM81020HSMC12
Maximum RPM/RCF(g)	500-6000/2000 (g)	6000/2000 (g)
Display	Digital	Digital
Rotor Capacity	8 Slot closed rotor for 1.5 / 2.0 mL microtubes	12 Slot closed rotor for 1.5/2.0 mL
Noise level	<55db	<55db
Variable Speed	Yes	No
Rotor and Adapters	# 8 slot x 1.5/2.0 ml closed Rotor Interchangeable PCR strip rotor (2 x 8 x 0.2 mL) #Reduction Adapters for 0.2/0.4 mL Microtubes	Reduction adapters for 0.2/0.4 mL microtubes

## CENTRIFUGES

- Long Life Brushless DC motor for efficient performance
- Imbalance Detection With Auto Cutoff safety
- Digital display



**Clinical Centrifuge**

- \* Speed setting from 500 to 6500 RPM
- \* Time setting from 30 sec to 30 mins
- \* Single rotor can accept different size of tubes (with adapters)
- \* Lid Lock safety with auto lid popup on run completion
- \* Optional Rotors Available for 8 x 15 mL & 6 x 15 mL



**Multi Purpose Lab Centrifuge**

- \* Speed setting from 500 to 4500 RPM
- \* Stainless steel rotor chamber & lid lock safety feature
- \* User programmable feature- user can save up to 99
- \* Swing Out Rotors- 16 x 15 ml, 12 x 15 ml, 8 x 15 ml, 6 x 50, 4 x 50 ml, 4 x 100 ml
- \* Fix Rotors- 16 x 15 ml, 12 x 15 ml, 8 x 15 ml, 6 x 50 ml, 4 x 50 ml, 4 x 100 ml, 24 x 15 ml, 30 x 15 ml,
- \* Rotor to be ordered separately

## Technical Information

Model	M06HSDC06	MLC30
Cat. No.	IM81030HSDC06	IM81040MLC30
Rotor Capacity	6 Slot closed rotor for 10/15 mL	18 Rotor Option
Adapters	All blood collection tubes (2,5,7,9 mL tubes)	

## VORTEX MIXTURES

- MVFS & MVVS comes with Small footprint- tiny yet powerful
- Smart Suspension design for longer switch life in MVFS & MVVS models
- MVDVS comes with ON/OFF touch operation modes
- MVDVS has unique programmable Pulse feature and also inbuilt counter balance design to ensure NO walking issue



*Mini Vortex Fixed Speed*



*Mini Vortex Variable Speed*



*Digital Vortex Mixture*

## Technical Information

Model	MVFS	MVVS	MVDVS
Cat. No.	IM81050MVFS	IM81060MVVS	IM81070VDVS
RPM	4500	Up to 4500	Up to 4200
Display	--	--	Digital
Motor	BLDC	BLDC	BLDC
Variable Speed	No	Yes	Yes
Orbital Diameter	4.5 mm	4.5 mm	4 mm

**MAGNETIC STIRRER** *ULTRASLIM*

- Motorless- truly maintenance free with no moving parts
- Compact design with low aspect ratio just 13.4 mm thick
- Microprocessor controlled gradual speed acceleration
- Pulse mode feature-changes direction for proper mixing result.
- Stainless steel top surface for corrosion resistance

**Technical Information**

<b>Model</b>	ULTRASLIM-MSS	ULTRASLIM-MSQ
<b>Cat. No.</b>	IM81080MSS	IM81090MSQ
<b>Max RPM</b>	15-1500	15-1200
<b>Max Load (ml)</b>	800	400 x 4
<b>Display</b>	Digital	Digital
<b>Magnetic Bar Length (mm)</b>	25	25

## PLATFORM SHAKERS

- Available in linear and orbital motion models with 10 mm / 20 mm movement
- Unique user defined programming feature
- Low height spill safe design
- Capacity of Max 7.5 kg with 330 x 330 mm platform size
- Pulse mode feature-changes direction for proper mixing result

### Technical information

<b>Model</b>	PSOL 10/20
<b>Cat. No.</b>	IM81100PSL
<b>Type of Movement</b>	Orbital or Linear
<b>Motor Type</b>	BLDC
<b>Display</b>	Digital
<b>Speed Range (RPM)</b>	50 to 500
<b>Pulse Mode</b>	Yes
<b>Run Time</b>	1min to 99 hours & 59 mins



### Attachments

Cat. No.	Description	Qty
IM81100PSLPPC	Base plate for Plastic Clamps (Capacity 9 clamps x 250 ml/9 clamps x 500 ml)	1
IM81100PSLSSP	Base plate for SS Clamps (Capacity 9 clamps x 100 ml/9 clamps x 250 ml)	1
IM81100PSLSSP5	Base plate for SS Clamps (Capacity 9 clamps x 500 ml/5 clamps x 1000 ml)	1



**HOT PLATE STIRRER**

- Powerful BLDC motor for maintenance free long life
- Easy to operate interface with independent control
- Chemical resistant Nano crystal glass ceramic top plate
- User Programmable feature allows setting up to 99 user defined programs
- Hot surface warning & Error indication features
- Pulse mode Clockwise-counter Clockwise interchanges

**Technical information**

Model	HPS320	HPS350	HPS550
Cat. No.	IM81110HPS320	IM81110HPS350	IM81120HPS550
Max Cap in Litres	4	20	20
Max Speed	200-2200	200-2200	200-2200
Temp range from Ambient	Up to 320°C	Up to 350°C	Up to 550°C
Stirring Position	Single	Single	Single



## MW90000 - Clamps,

- Cork lined jaws enable it to hold upto 90 mm article
- SS (201) Rod comes in 6" long and in 8 mm diameter
- Coated with Lead-free powder and fitted with Brass screw which makes it RUST-FREE CLAMP.



**Two Prong Clamp**

# Manufactured from Zinc alloy Die casting  
# **Cat. No.:-** MW90000001



**Three Prong Clamp**

# Manufactured from Zinc Aluminium alloy die casting  
# Jaws are coated with PVC sleeves  
# **Cat. No.:-** MW90000002



**Four Prong Clamp**

# Manufactured from Alloy Die casting  
# **Cat. No.:-** MW90000003



**Universal Three Prong Clamp**

# Manufactured from Aluminium alloy die casting  
# **Cat. No.:-** MW90000004



## MW90010 - Clamps with Adjustable Bossheads

- Comes with Adjustable Bosshead Attached clamp length can vary and can be rotated 360° and locked at any angle
- Coated with Lead-free powder and fitted with Brass screw which makes it RUST-FREE CLAMP.



**Two Prong Clamp**

# Manufactured from Zinc alloy Die casting  
# **Cat. No.:-** MW90010001



**Three Prong Clamp**

# Manufactured from Zinc Aluminium alloy die casting  
# Jaws are coated with PVC sleeves  
# **Cat. No.:-** MW90010002



**Four Prong Clamp**

# Manufactured from Alloy Die casting  
# **Cat. No.:-** MW90010003



**Universal Three Prong Clamp**

# Manufactured from Aluminium alloy die casting  
# **Cat. No.:-** MW90010004



## MW90020 - Bossheads

- Coated with Lead-free powder and fitted with Brass screw which makes it RUST-FREE CLAMP.



**Regular Bosshead**

- # Manufactured from Zinc alloy Die casting
- # Hold rod upto 16 mm Dia at 90°angle
- # **Cat. No.:-** MW90020001



**Swivel Bosshead**

- # Manufactured from Zinc alloy Die casting
- # Hold rod upto 16 mm Dia at 360° angle
- # **Cat. No.:-** MW90020002



**Jumbo Bosshead**

- # Manufactured from Zinc Aluminium alloy die casting
- # Hold rod upto 16 mm Dia at 90° angle
- # **Cat. No.:-** MW90020003



**MW90030 - Burette Clamps**

- Suitable for all burettes up to 100mL
- Held in place by the pressure created by the springs yet allows **easy operation** without damaging glassware.
- Feature black **PVC sleeves for firm gripping** of burettes
- Made of Aluminium die casting



**Double Burette Clamp Heavy Duty**

# Double burette Clamp Heavy Duty  
# **Cat. No.:-** MW90030001



**Double Burette Clamp Economy**

# Double Burette Clamp Economy  
# **Cat. No.:-** MW90030002



**Single Burette Clamp Heavy Duty**

# Single burette clamp Heavy Duty  
# **Cat. No.:-** MW90030003



**Single Burette Clamp Economy**

# Single burette clamp economy  
# **Cat. No.:-** MW90030004



## MW90040 - Retort Base

Coated with **lead-free** powder coated.



**Retort Base**

# Retort base Heavy Duty comes in three sizes as below

<b>Cat. No.</b>	<b>Sizes</b>
MW90040001	6" x 4"
MW90040002	8" x 5"
MW90040003	10" x 6"

## MW90050 - Retort Base Economy

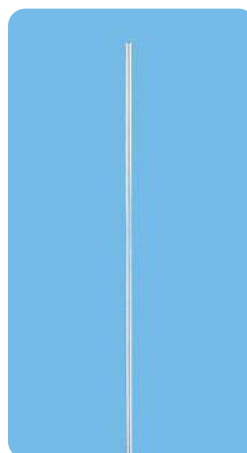
# Retort base Economy comes in three sizes as below

<b>Cat. No.</b>	<b>Sizes</b>
MW90050001	6" x 4"
MW90050002	8" x 5"
MW90050003	10" x 6"



**MW90060 - Retort Rods Stainless Steel**

Cat. No.	Size(mm)
MW90060001	12 x 500
MW90060002	12 x 600
MW90060003	12 x 750



**MW90070 - Test Tube Stand**

- It is made of **Aluminum** sheet, Z type, new design, single piece fabrication
- This aluminium Z shape design is Coated with lead free powder coating make it **corrosion resistant**



**Test Tube stand**

- #1<sup>st</sup> Row for 30 mm diameter
- #2<sup>nd</sup> Row for 25 mm diameter
- #3<sup>rd</sup> Row for 16 mm diameter
- # **Cat. No.:-** MW90070001



**Test Tube stand**

- # All five row for 15 mm diameter Test Tube
- # **Cat. No.:-** MW90070002



### **MW90080 - Test Tube Holder**

- Comes in cross pattern for tight grip
- A pair of spring strip of hard rolled stainless steel, mounted in wooden handle in cross-scissor shape, and accepts tubes of diameter 12-43mm.
- Overall length about 225mm.



***Test Tube Holder***

**Cat. No.:-** MW90080001

### **MW90090 - Retort Ring**

- Strong circular mild steel ring with 6mm diameter stem.
- Open bosshead fitted with thumb screw to accept rods from 8mm to 15mm diameter.



***Retort Ring***

<b>Cat. No.</b>	<b>Size</b>
#MW90090001	13"
#MW90090002	24"





**MW90100 - Bunsen Burner**

- Bunsen Burner **13 mm/11 mm** ideal for use with **natural gas and LPG**, and is suitable for the laboratory and school.
- Nickel-plated **brass burner tube** with **Rotatable air regulator**
- Enamelled **Zinc pressure die casted base**(**Zamak 3** is used to cast this burner)
- Height 145 mm, Base Diameter 80 mm and 8 mm inlet

**Bunsen Burner**



**Cat. No.:-** MW90100001

## MW90110 - Tongs

Cat. No.	Description	Size
MW90110001	Crucible Tong	6"
MW90110002	Crucible Tong	8"
MW90110003	Crucible Tong	10"
MW90110004	Crucible Tong	12"
MW90110005	Beaker Tong	10"
MW90110006	Beaker Tong	12"
MW90110007	Flask Tong	10"
MW90110008	Flask Tong	12"



**MW90120 - Spatulas**

Cat. No.	Description	Size
MW90120001	Chattaway Spatula	6"
MW90120002	Chattaway Spatula	8"
MW90120003	Micro Spatula	6"
MW90120004	Micro Spatula	8"
MW90120005	Big Spoon Spatula	7.5"
MW90120006	Big Spoon Spatula	9"
MW90120007	Both Side Flat	6"
MW90120008	Both Side Flat	8"
MW90120009	Scoop	165 mm
MW90120010	Ointment Spatula with Wooden Handle	4"
MW90120011	Ointment Spatula with Wooden Handle	6"
MW90120012	One Side Spoon one side Flat Spatula	4"
MW90120013	One Side Spoon one side Flat Spatula	6"
MW90120014	One Side Spoon one side Flat Spatula	8"
MW90120015	One Side Spoon one side Flat Spatula	10"
MW90120016	One Side Spoon one side Flat Spatula	12"
MW90120017	Pointer Spatula	6"



## MW90130 - Heating Mantles

Cat. No.	Capacity mL	Watts W	Type	Pack Size
MW90130A18	100	60	Analog	1
MW90130D18	100	60	Digital	1
MW90130A22	250	150	Analog	1
MW90130D22	250	150	Digital	1
MW90130A25	500	200	Analog	1
MW90130D25	500	200	Digital	1
MW90130A28	1000	300	Analog	1
MW90130D28	1000	300	Digital	1
MW90130A29	2000	450	Analog	1
MW90130D29	2000	450	Digital	1
MW90130A31	5000	630	Analog	1
MW90130D31	5000	630	Digital	1

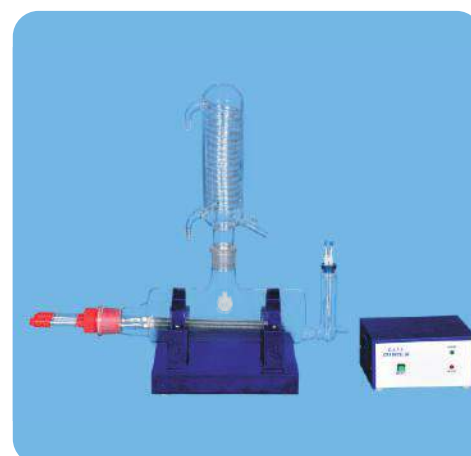


## Water Distillation Purification Systems

### DU91000 - All Glass Single Distillation Unit, With Borosilicate Boiler, Borosilicate Condenser & Quartz Heater, Horizontal Type

<b>Cat. No.</b>	<b>DU91000 - 4.0 L</b>
Dist. Water Output	4 Ltr./Hr
Cap. (Approx.)	230-250 volt
Electrical requirements	Single phase 3.5kw

Minimum Cooling Water requirement	2 Ltr./Min
Biological Activity	Pyrogen Free
Conductivity S/cm	$<3 \times 10^{-6}$
Distillate Temp.	65 - 75°C

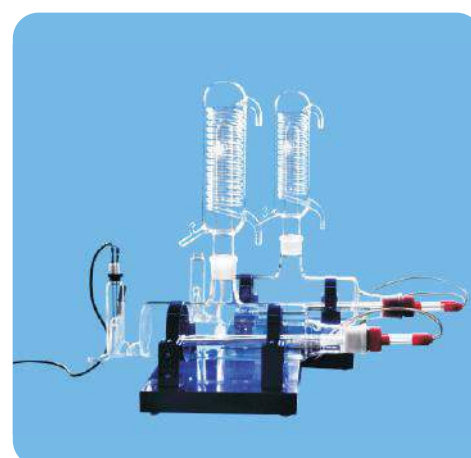


Cat. No.	Output Capacity (Lit./Hr)	Total Power Consumed (kw)	Pack Size
DU91000053	4.0	3.5	1

### DU91010 - All Glass Double Distillation Unit, With Borosilicate Boiler, Borosilicate Condenser & Quartz Heater, Horizontal Type

<b>Cat. No.</b>	<b>DU91010- 4.0 L</b>
Dist. Water Output	4 Ltr./Hr
Cap. (Approx)	230-250 volt
Electrical requirements	Single phase 3.5 x 2kw

Water requirement	2.5 Ltr./Min (EA)
Biological Activity	Pyrogen Free
Conductivity S/cm	$<1 \times 10^{-6}$
Distillate Temp.	65 - 75°C



Cat. No.	Output Capacity (Lit./Hr)	Total Power Consumed (kw)	Pack Size
DU91010053	4.0	3.5 x 2 = 7	1

**PW95000 - Mortar and Pestle**

Cat. No.	Capacity mL	Approx. O.D. mm	Approx. Pestle Length mm	Pack Size
PW95000M01	100	90	93	1
PW95000M02	275	125	130	1
PW95000M03	550	155	157	1



**PW95010 - Crucible With Lid**

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
PW950100M1	30	50 x 32	5
PW95010016	50	60 x 38	5
PW95010018	100	76 x 46	5



**PW95020 - Buchner Funnel**

Cat. No.	Capacity mL	Filter Paper Usable Size mm	Cup ID mm	Pack Size
PW95020B01	30	35	41	2
PW95020B02	80	50	56	2
PW95020B03	186	70	77	2
PW95020B04	320	90	97	2
PW95020B05	550	110	112	2
PW95020B06	700	125	130	2



**PW95030 - Evaporating Dish**

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
PW95030D01	22	50 x 22	2
PW95030D02	75	80 x 32	2
PW95030D03	190	105 x 44	2
PW95030D04	500	140 x 61	2



**PW95040 - Silica Crucible with Lid**

Cat. No.	Capacity mL	Pack Size
PW95040S01	15	5
PW95040S02	25	5
PW95040S03	50	5
PW95040S04	80	5
PW95040S05	100	5





**PW95050 - Rubber Cork.**

Cat. No.	Top Dia. mm	Bottom Dia. mm	Height mm	Pack Size
PW95050C01	13	9	15.5	10
PW95050C02	14	11	18.5	10
PW95050C03	17	13	20	10
PW95050C04	19	14	21	10
PW95050C05	21	15	22	10
PW95050C06	23	17	23	10
PW95050C07	24	18	24	10
PW95050C08	26	20	27.5	10
PW95050C09	27	21	27.5	10
PW95050C10	28	21	31	10
PW95050C11	30	26	33	5
PW95050C12	32.5	28.5	33.5	5
PW95050C13	34.5	30	34.5	5
PW95050C14	38.5	31	37	5
PW95050C15	41.5	32	42.5	5
PW95050C16	42	38	40.5	5
PW95050C17	44	32	36.5	5
PW95050C18	49.5	40	40	5
PW95050C19	53.5	48	33.5	5
PW95050C20	58	45	45	5
PW95050C21	60	51	56.5	5



**Note:-** Assorted Size can be provided on request

**PW95060 - Pipette Bulb**

Cat. No.	Size	Pack Size
PW95060B01	Small	10
PW95060B02	Medium	10
PW95060B03	Large	10
PW95060B04	Extra Large	10





**PW95070 - Rubber Base for Round Bottom Flask**

Cat. No.	Compatible Flask Capacity mL	Pack Size
PW95070S01	25, 50,100	5
PW95070S02	250	5
PW95070S03	500	5
PW95070S04	1000	2
PW95070S05	2000	2
PW95070S06	5000	2

**Note:-** Cork rings are also available. Please ask for prices separately



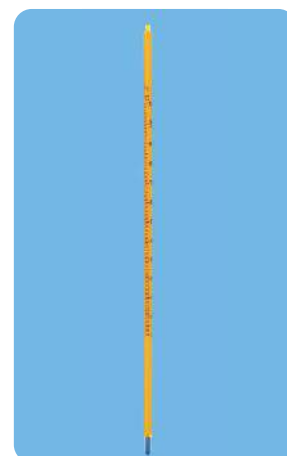
**PW95080 - Tubing Silicon**

Cat. No.	Inner Dia. mm	Outer Dia. mm	Pack Size (mtrs)
PW95080T01	5	8	5
PW95080T02	6	9	5
PW95080T03	7	14	5
PW95080T04	8	11	5
PW95080T05	9	18	5
PW95080T06	10	14	5



**PW95090 - Thermometer**

Cat. No.	Range (C)	Type	Pack Size
PW95090TH1	-10 to 50 x 0.5	Alcohol/Mercury	4
PW95060TH2	-10 to 110 x 1	Alcohol/Mercury	4
PW95060TH3	0 to 250 x 1	Alcohol/Mercury	4
PW95060TH4	0 to 360 x 2	Alcohol/Mercury	4



**Note:-** Please add "A" at the end of the code for Alcohol and "M" for mercury while placing the order

## QW97000 - Dishes Quartz Round With Spout

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
QW97000D01	20	55 x 23	4
QW97000D02	45	75 x 27	4
QW97000D03	70	85 x 35	4
QW97000D04	85	95 x 36	4
QW97000D05	100	100 x 38	4
QW97000D06	200	115 x 47	4



## QW97010 - Crucibles, Quartz With Lid

Cat. No.	Capacity mL	Approx. O.D. x Height mm	Pack Size
QW97010C01	15	40 x 26	4
QW97010C02	25	47 x 30	4
QW97010C03	50	57 x 35	4
QW97010C04	80	69 x 45	2
QW97010C05	150	80 x 54	2

**Note:-** 150ml comes without Lid



## QW97020 - Combustion Boat Quartz with Handle

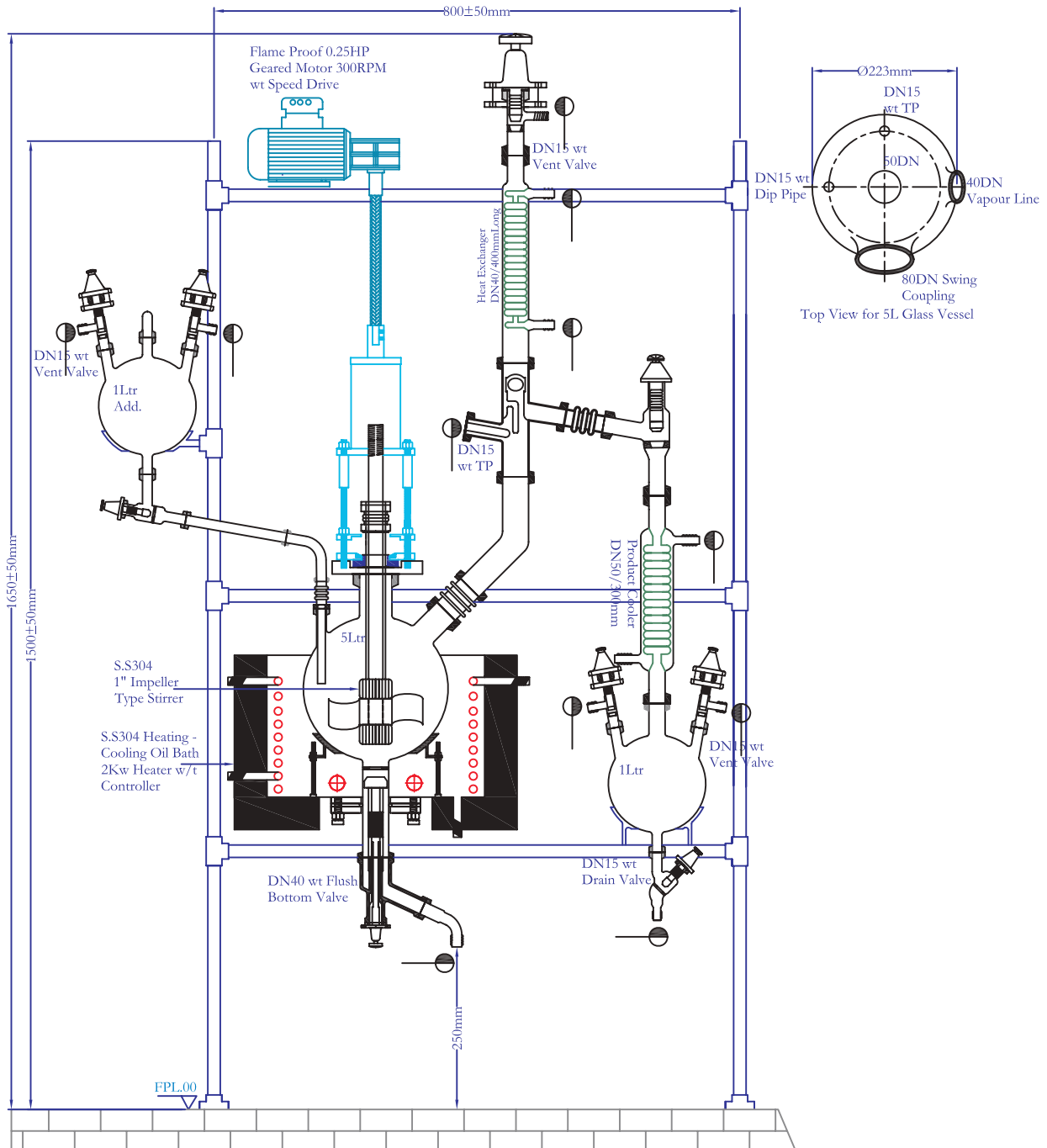
Cat. No.	Approx. O.D. x Height mm	Pack Size
QW970020B01	12 x 77	10
QW970020B02	20 x 60	10



**GLASS ASSEMBLIES & CUSTOMISED GLASSWARE**

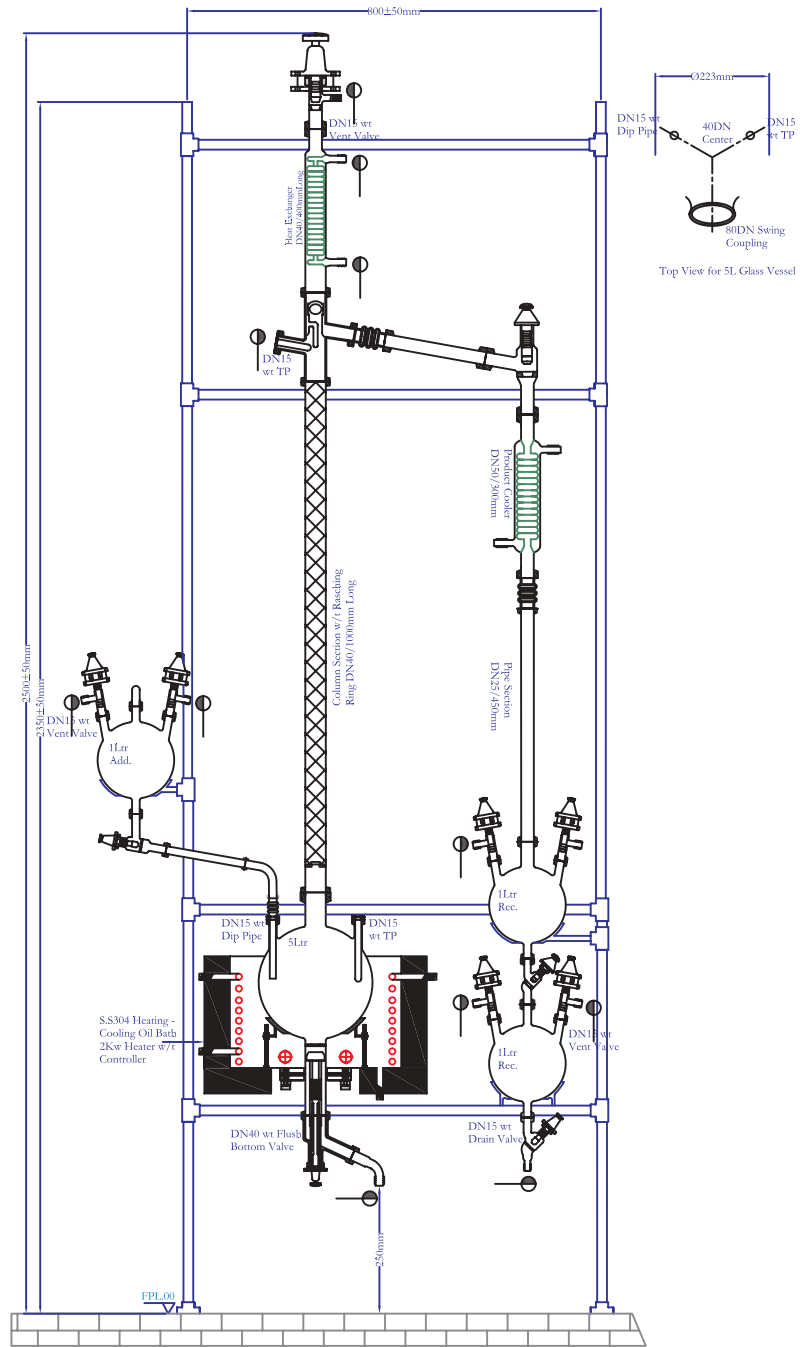
We Manufacture Industrial Scale Glass reactors in our state of the art facility in Bahrain. Entire project can be designed and executed by our highly skilled experts. In addition we can also manufacture Large scale Distillation Units.

## Large Scale Distillation Units

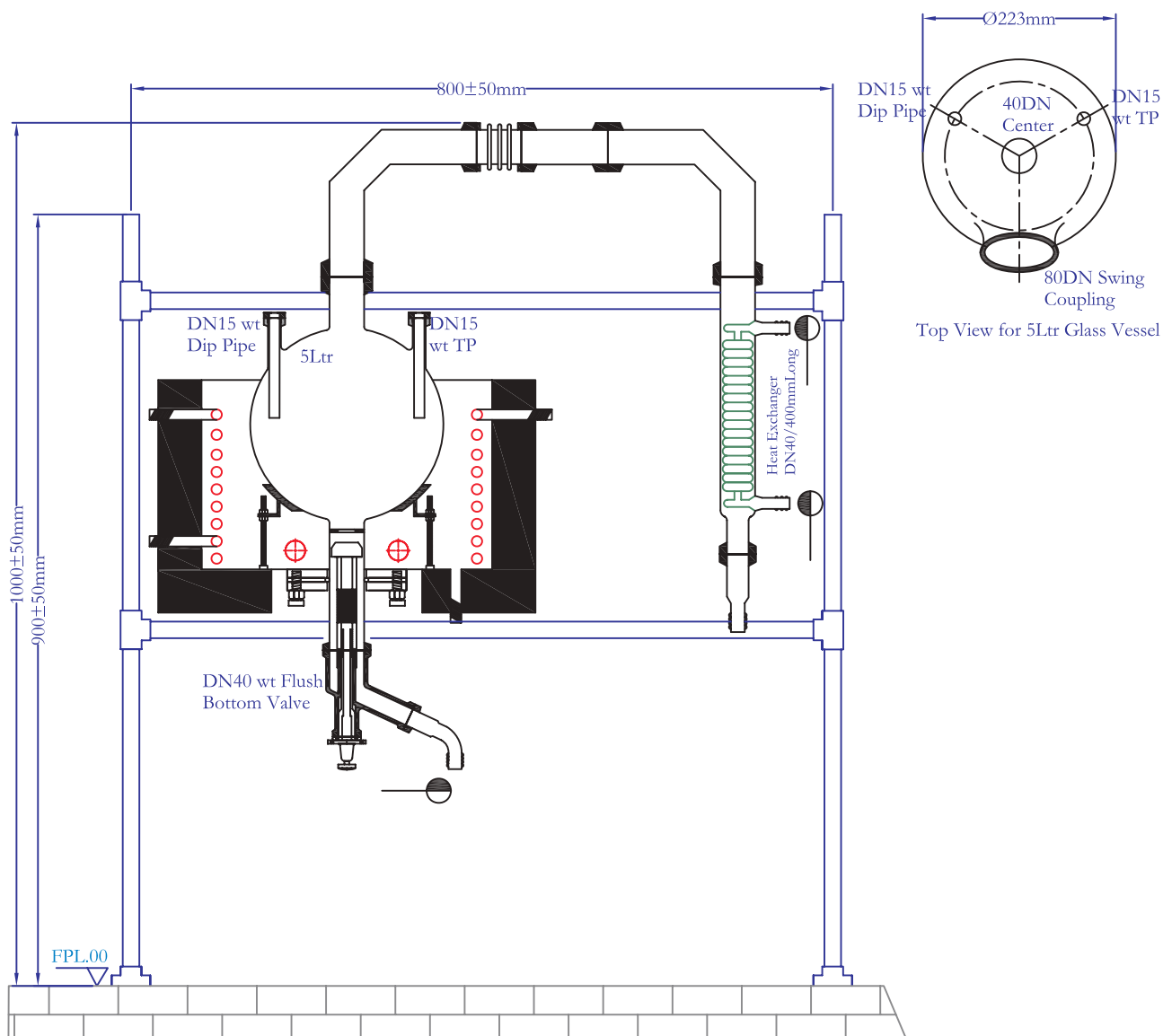


### 5 Litre Reaction Unit

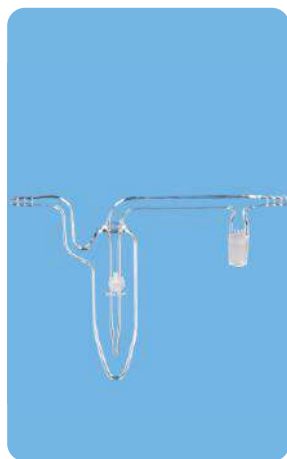
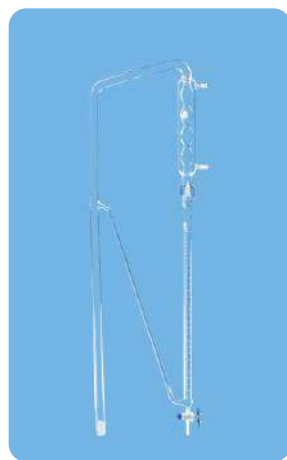
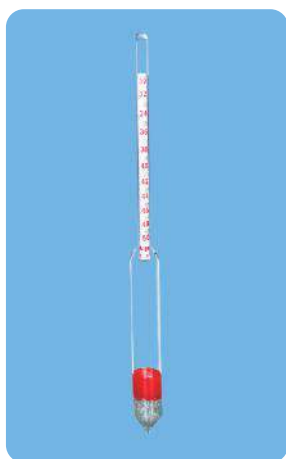




**5 Litre Fractional Distillation Unit**



## 5 Litre Simple Reaction Unit





**Adapter**

Socket Single Neck.....	39
Cones Single Neck.....	40
Cones Single with Drip Tip.....	40
Socket at Both Ends.....	41
Cones at Both Ends.....	41
Spherical Joint Ball and Cup.....	42
Reducing.....	42
Enlarging.....	43
Claisen Two Neck.....	44
Claisen Angled.....	45
Straight Tube End.....	45
Bent with Vent Tube.....	46
Receiver Straight Vacuum.....	47
Receiver Bend Vacuum.....	47
Receiver angled side joint.....	48
Bent with Drip tip Bottom.....	49
Recovery Bent.....	49
Connecting Parallel Joint.....	50
Still Head with top thermometer joint.....	51
Claisen multiple joints.....	51
Splash Heads Pear Shape vertical.....	52
Splash Heads Pear Shape Parallel.....	52
Splash Heads Pear Shape Sloping.....	53
Steam Distillation Heads, Sloping.....	53
Cone to tubing Straight.....	53
Cone to Tubing Bend.....	54
Cone to hose Barb, Straight end.....	55
Cone to hose Barb, Bend end.....	55
Cone Long Stem with Tubulation.....	56
Socket to Hose Barb.....	57
Socket to Cone with Tubulation.....	58
Receiver Delivery Short Stem.....	59
Receiver Delivery Long Stem.....	59
U tube.....	59
Drying Tube.....	60
Thermometer Pocket Long.....	60
Thermometer Pocket Short.....	60
Air leak Tube (Gas Inlet Tube).....	61
Stirrers Removable Teflon Bladed.....	61
Stirrers Link.....	61
Mercury Seal Glands.....	62
Stuffing Box Glands with Pulley.....	62
Simple Glands with Cap.....	62

**Arsenic Determination**

Apparatus as Per BP.....	37
Apparatus as Per USP.....	37
Apparatus as Per IS.....	38
Apparatus as Per IP.....	38

**Bottles Glass**

Reagent Screw Cap, Clear.....	11
Reagent Screw Cap, Amber.....	11
Aspirator Screw Cap.....	12
Reagent with Interchangeable Glass Stopper, Clear.....	12
Reagent with Interchangeable Glass Stopper, Amber.....	13
Relative Density with Interchangeable stopper.....	13
Specific Gravity with thermometer (Pyknometer).....	14

Weighing.....	14
BOD.....	15
Dropping with Glass Dropper, Clear.....	16
Dropping with Rubber Teat, Clear.....	16
Dropping with Rubber Teat, Amber.....	16
Woulf.....	17
McCartney.....	17
Screw Caps and Pouring Ring.....	17
Reagent Square Clear.....	18

**Bottles Soda Glass**

Winchester.....	18
Boston.....	18

**Bottles Plastic**

Narrow mouth PP.....	133
Narrow mouth HDPE.....	133
Narrow mouth HDPE Amber.....	133
Wide Mouth PP.....	134
Wide Mouth HDPE.....	134
Wide Mouth HDPE Amber.....	134
Wide Mouth with Handle PP.....	135
Carboy PP.....	135
Carboy with Spigot PP.....	135
Carboy Rectangular with Spigot PP.....	136
Wash Bottle LDPE.....	136
Wash Bottle with Integral spout LDPE.....	136
Wash Bottle Labelled.....	137

**Beaker Glass**

Griffin Low form.....	19
Tall form.....	19
Philips.....	20

**Beaker Plastic**

Beaker PP.....	138
Beaker Tong.....	169

**Bubblers**

Bubblers with Integral Valve.....	71
Bubblers In Line.....	71
Bubblers Schlenk.....	72
Bubblers Adjustable Schlenk.....	72
Bubblers Double Schlenk.....	73
Bubblers Horizontal Schlenk.....	73

**Burette**

Class A DIN Glass Stopcock.....	98
Class A ASTM Glass Stopcock.....	98
Class B DIN Glass Stopcock.....	98
Class B ASTM Glass Stopcock.....	99
Class A DIN Boroflo Stopcock.....	99
Class A ASTM Boroflo Stopcock.....	99
Class B DIN Boroflo Stopcock.....	100
Class B ASTM Boroflo Stopcock.....	100
Class A DIN PTFE Stopcock.....	100
Class A ASTM PTFE Stopcock.....	101
Class B DIN PTFE Stopcock.....	101
Class B ASTM PTFE Stopcock.....	101

Class A DIN PTFE Stopcock, Amber.....	102
Automatic Burette Class A DIN.....	102
Automatic Burette Class B DIN.....	102
Automatic Burette Class A DIN, Amber.....	103
Automatic Burette Class B DIN, Amber.....	103
<b>Burette Metal Accessories</b>	
Burette Clamp Double Heavy.....	164
Burette Clamp Double Economy.....	164
Burette Clamp Single Heavy.....	164
Burette Clamp Single Economy.....	164
<b>Condensers</b>	
Liebig.....	74
Graham Coiled.....	75
Friedrich.....	76
Graham Coil Jacket Distillate Type.....	76
Davies (Double Surface).....	77
Jacketed Coil.....	77
Allihn (Bulb).....	78
Ether.....	78
<b>Column</b>	
Fractioning Vigrex as Per DIN Joint Size.....	79
Fractioning Plain.....	79
<b>Cylinders Glass</b>	
Class A Din.....	88
Class A ASTM.....	88
Class B Din.....	89
Class B ASTM.....	89
Interchangeable Penny Head as Per DIN Class A.....	90
Interchangeable Penny Head as Per ASTM Class A.....	90
Interchangeable Penny Head as Per DIN Class B.....	91
Nessler.....	91
Tapped Density.....	92
Crow Receiver.....	92
<b>Cylinders Plastic</b>	
Cylinder Class B PP.....	137
<b>Columns</b>	
Chromatography Plain sintered Disc.....	119
Chromatography Plain.....	119
<b>Centrifuge Tube</b>	
Graduated.....	114
Plain.....	114
Plain Screw Cap.....	114
Graduated Screw Cap.....	115
Graduated Interchangeable Stopper.....	115
Plain Interchangeable Stopper.....	116
Oil Graduated 8".....	116
<b>Culture Tubes</b>	
Round Bottom, Clear.....	112
Round Bottom, Amber.....	112
Flat Bottom, Clear.....	113
Flat Bottom, Amber.....	113
Flat Bottom with Colorless Cap.....	113
<b>Cones</b>	
Imhoff Sharp Tip.....	124
Imhoff Blunt Tip.....	124
<b>Distilling Assembly</b>	
Distilling Apparatus Dean and Stark, Moisture Test.....	63
Essential Oil Determination Apparatus	
Oil Lighter Than Water.....	63
Essential Oil Determination Apparatus	
Oil Heavier Than Water.....	63
Essential Oil Steam Distillation Apparatus Kit,	
Graham Condenser.....	64
Kjeldahl Distillation Unit.....	64
Alcohol Distillation Apparatus.....	64
Cyanide Distillation Apparatus.....	65
TKN Distillation Apparatus.....	65
Extractor Apparatus Soxhlet.....	65
<b>Dishes</b>	
Crystallizing.....	104
Evaporating.....	104
Petri.....	105
<b>Desiccators Glass</b>	
Plain.....	106
Vacuum.....	106
<b>Desiccators Plastic</b>	
Desiccator Plain PP/PC.....	144
Desiccator Vacuum PP/PC.....	144
<b>Flask</b>	
Erlenmeyer Conical Narrow Mouth.....	21
Erlenmeyer Conical Wide Mouth.....	21
Erlenmeyer with Interchangeable Joint.....	22
Iodine.....	22
Boiling Flat Bottom Narrow Neck.....	22
Boiling Round Bottom Narrow Neck.....	24
Boiling Flat Bottom Single Neck	
with Interchangeable Joint.....	24
Boiling Round bottom Single Neck	
with Interchangeable Joint.....	25
Boiling Round Bottom Two Necks, Center Neck	
And One Angled Side Neck.....	27
Boiling Round Bottom Three Neck, Center Neck	
And Two Angled Side Neck.....	28
Boiling Round Bottom Three Neck, Center Neck	
And Two Parallel Side Neck.....	31
Pear Shape with Interchangeable Joint.....	33
Evaporation with Interchangeable Joint.....	34
Kjeldahl Ground Joint Long Neck.....	35
Distillation with Side Tube.....	35
Distillation with Side Tube as Per D-86.....	36
Filter with Tubulation, Conical Shape.....	36
Filter with Tubulation, Bottle Shape.....	36

## Flask Metal Accessories

Flask Tongs..... 169

## Funnels

Separating Pear Shape..... 108  
 Separating Globe Shape..... 109  
 Pressure Equilising Cylindrical..... 109  
 Dropping Cylindrical..... 109  
 Plain Short Stem..... 110  
 Plain Long Stem..... 110  
 Thistle..... 111  
 Powder..... 111  
 Powder, Stem with Cone..... 111

## Funnels Plastic

Analytical PP..... 138  
 Powder PP..... 138

## Funnels Metal Accessories

Retort Ring..... 167

## Filtration Assembly

All Glass Filter Holder 47 mm,  
 Interchangeable Flask..... 126  
 All Glass Filter Holder 47 mm,  
 Silicon Stopper Flask..... 126  
 All Glass Filter Holder 25 mm,  
 Silicon Stopper Flask..... 127  
 All Glass filter Holder 47 mm,  
 With Screw Cap Bottle..... 127  
 Filtering Funnel with Silicon Stopper..... 128

## Instruments

Micro Centrifuge..... 155  
 Centrifuge..... 156  
 Multipurpose Laboratory Centrifuge..... 156  
 Vortex Mixtures..... 157  
 Magnetic Stirrer..... 158  
 Platform Shakers..... 159  
 Hot Plate stirrer..... 160

## Kipps Apparatus

Gas Generators Kipps..... 123

## Lab Accessories

Clamp Two Prong..... 161  
 Clamp Three Prong..... 161  
 Clamp Four Prong..... 161  
 Clamp Universal Three Prong..... 161  
 Clamp Two Prong with Adjustable Bosshead..... 162  
 Clamp Three Prong with Adjustable Bosshead..... 162  
 Clamp Four Prong with Adjustable Bosshead..... 162  
 Clamp Universal Three Prong with Adjustable Bosshead... 162  
 Bosshead Regular..... 163  
 Bosshead Swivel..... 163  
 Bosshead Jumbo..... 163  
 Retort Base Heavy..... 165  
 Retort Base economy..... 165  
 Rod SS ..... 166

Bunsen Burner..... 168  
 Spatulas ..... 170  
 Heating Mantles..... 171

## Liquid Handling System

Bottle Top Dispenser Re circulation Valve..... 150  
 Bottle Top Dispenser Research Model..... 150  
 Bottle Top Dispenser Dual Valve..... 150  
 Micropipette Fixed volume single channel ..... 151  
 Micropipette Variable volume single channel..... 151  
 Micropipette Variable volume 8 channel..... 152  
 Micropipette Variable volume 12 channel..... 152  
 Micropipette Fixed volume single channel Economy ..... 152  
 Micropipette stands..... 153  
 Electronic Pipette Filling Device..... 153  
 Micropipette Electronic variable volume single channel..... 153

## Pipette

Transfer Class A as per DIN..... 93  
 Transfer Class A as per ASTM..... 93  
 Transfer Class B as per DIN..... 94  
 Transfer Class B as per ASTM..... 94  
 Mohr Class A as per DIN..... 95  
 Mohr Class B as per DIN..... 95  
 Serological Class A as per DIN..... 96  
 Serological Class B as per DIN..... 96  
 Serological Class A as per ASTM..... 97  
 Pasteur..... 97

## Pipette Plastic

Handy Pipette PP..... 139  
 Safety Bulb 3 WAY..... 140  
 Pipette Rack Horizontal PP..... 140  
 Rotary Pipette Stand Vertical..... 140  
 Pipette Serological Sterile PS..... 141  
 Pasteur Pipette Sterile Plastic..... 141

## Porcelain Ware

Mortar and Pestle..... 173  
 Crucible with Lid..... 173  
 Buchner Funnel..... 173  
 Evaporating Dish..... 174  
 Silica crucible with Lid..... 174  
 Rubber Cork..... 175  
 Pipette Bulb..... 175  
 Rubber Base for Round Bottom Flask..... 176  
 Tubing Silicon..... 176  
 Thermometer..... 176

## Plastic Ware

Membrane Filter Holder 47 MM PSF..... 139  
 Reusable Bottle top Filter PSF..... 139  
 Micro Centrifuge Tube PP..... 141  
 Centrifuge Tube conical bottom PP..... 142  
 Centrifuge tube self standing Plastic..... 142  
 Drying Rack ABS/PC..... 144  
 Specimen Container PC/PP..... 145  
 Parafilm..... 145  
 Soft Loop Sterile PS..... 145

Urine Container PP/HDPE.....	146	TOC vials 40 ml ND 24 mm Screw Cap.....	132
Dish Petri Aseptic PS.....	146	VOA vials 40 ml ND 24 mm Screw Cap.....	132
Slide Storage Rack ABS/SAN.....	146	Injection Vials.....	133
Octagon Magnetic Stirrer box.....	147		
Slide Dispenser ABS/PC.....	147	<b>Volumetric Flask</b>	
Pipette Tips Bulk Pack PP.....	148	DIN Class A Clear.....	82
Pipette Tips Racked PP.....	148	DIN Class A Amber.....	82
Pipette Tips Racked PP Sterile.....	148	DIN Class B Clear.....	83
Pipette Tips Filter Bulk bag PP.....	148	DIN Class B Amber.....	83
Pipette Tips Filter Racked bag PP Sterile.....	149	Sugar estimation.....	84
Pipette Tips Filter Racked bag Low retension PP Sterile.....	149	Flask Kohlrausch Class A.....	84
Pipette Tips Empty Box PP.....	149	ASTM Class A, Clear.....	85
		ASTM Class A, Amber.....	85
<b>Quartz Ware</b>		ASTM Class B, Clear.....	86
Dishes Quartz Round with Spout.....	177	ASTM Class B, Amber.....	86
Crucibles Quartz with Lid.....	177	USP Class A, Clear.....	87
Combustion Boat Quartz with Handle.....	177	DIN Class A, Wide-Mouth Clear.....	87
<b>Raschig Ring</b>		<b>Volumetric Flask Plastic</b>	
Raschig Ring.....	125	Class B PP.....	137
<b>Schlenk Line</b>		<b>Weighing Scoop</b>	
Gas Manifolds, 3/4 Position.....	66	Weighing Scoop.....	118
Vacuum Manifold, 4 and 6 Position.....	67	Weighing Dish Polystyrene.....	118
Vacuum Trap O-Ring.....	67		
Vacuum Manifold, Inert Lines 4 Port.....	68	<b>Watch Glass</b>	
Vacuum Manifold Double Bank.....	68	Watch Glass.....	125
Tubes Reaction Single Neck.....	69		
Flask Reaction Round Bottom.....	69	<b>Water Distillation</b>	
Flask Reaction Kjeldahl.....	70	Single Distillation Unit.....	172
		Double Distillation Unit.....	172
<b>Sintered Ware</b>			
Crucible Gooch.....	120		
Funnels Buchner.....	121		
Crucible for Dietary Fibre Extraction.....	122		
Funnel with Filter Disc.....	122		
<b>Test Tube</b>			
Test Tube Round bottom with Rim.....	117		
Test Tube Round bottom without Rim.....	117		
<b>Test Tube Plastic</b>			
Poly wire rack test tube re enforced.....	142		
Poly wire rack half test tube re enforced.....	143		
Test Tube stand RPP.....	143		
Polygrid Test Tube Stand Re-enforced PP, Autoclavable.....	143		
<b>Test Tube Metal Accessories</b>			
Test Tube stand Aluminium.....	166		
Test Tube Holder.....	167		
<b>Vials</b>			
Vials 2 ml ND 8 mm 12 x 32, Screw Neck Vial.....	129		
Vials 2 ml ND 9 mm 12 x 32, Screw Neck Vial Universal Compatible Vial.....	129		
Vials 2 ml ND 11 mm 12 x 32, Crimp Neck Vial.....	130		
Vials 2 ml ND 11 mm 12 x 32, Snap Neck Vial.....	130		
Vials GC/Headspace Vials, 20 mm ND.....	131		
Vials 4 ml ND 13 mm 15 x 45 Screw Neck Vial.....	131		



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