2015-16

GLASSCO

A Glass Apart

General Catalogue

YOUR ONE STOP FOR
ASTM / ISO STANDARD GLASSWARE

We are pleased to introduce our 2015 edition of GLASSWARE catalogue.

This new catalogue consists of not only glass products but also a lot of allied line of items, which are added to this catalogue from our catalogue of GLASSCO LABORATORY INSTRUMENTS, which is now merged into this company, and thus a new catalogue with more than 3100 products is covered in this new catalogue. This catalogue covers vast range of products that includes interchangeable glassware, volumetric glassware, filtration glassware, general glassware, plastic ware, metal ware, rubber ware, ceramic ware and a lot of accessories used in laboratory.

We have also introduced a lot of new products in glass with ASTM STANDARDS and are the only company in the world now offering DIN EN ISO and ASTM standard products from one production facility.

Producing high quality of lab ware according to international standard and excellent customer service has helped us to achieve the brand recognition worldwide in more than 75 countries. We are committed in providing high quality labware products to our customers through strict quality control and timely deliveries.

In the last 18 months we have added more than 7500 square meter of warehousing facility which will help us to deliver the goods worldwide with the shortest lead times. With constant increasing demand we have also invested in new automatic machines for flasks making and joint making which has helped to increase our production capacity more new automation is in the pipeline for 2015 .

Being close to our customers enables us to understand there needs and deliver the right solution in the shortest possible time. In case you don't find the information that you need you can contact us and we will do our best to help you.

Glassco Production Plant

Glassco History

Glassco was established in the year 1969 as a volumetric glassware producting company, till 1996 was working mainly in domestic market .

In the year 1996 Glassco started exporting from its domestic plant with the rapid success achieved in export market . It was time to set up a separate export oriented unit (EOU) which established in the year 2000 employing nearly 70 people at that time in an area of 2000 square meter . In the year 2006 Glassco moved into a new location as it was required since the growth in the export business was very rapid. We are now working with more than 400 people in the glassware plant and covering nearly 25000 square meter area .

GLASSCO LABORATORY EQUIPMENTS

Having a history of more than 45 years in the field of manufacturing lab glass. Glassco is the biggest exporter of scientific lab ware from India, shipping more than 400 containers of glassware every year mainly Interchangeable , Volumetric, Filtration and General lab ware manufactured in ISO / ASTM Standards. Along with glassware a lot of allied line of products and accessories that are used in laboratory application such as Plastic ware, Rubber ware, Metal ware, Liquid Handling Instruments, Hot Plate & Stirrers.

| Interchange Glassware | Volumetric Glassware | Filtration Glassware | General Glassware |

ALLIED PRODUCTS & ACCESSORIES

| Plastic Ware | Metal Ware | Rubber Ware | Misc. | Hot Plate | Micropipette |

GLASSCO LABORATORY EQUIPMENTS PLANT

Glassco employees more than 85 glassblowers working on Automatic & Semi Automatic machine, making products of different shape & sizes. We have a complete line of production for making Test Tubes , Beakers, Flasks, Joints and Flanges. More than 20 glassblowers are involved in making high precision glass like, Condensers, Adapters and Assemblies various kind.
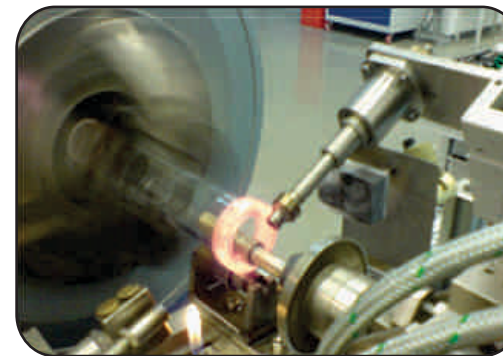
CNC Machine

Automatic Cylinder Forming Machine

Automatic Joint Forming Machine

Automatic Flask Forming Machine

Infrastructure

RAW MATERIAL

Glassco makes all its products from tubing of ASTM E- 438 TYPE I, CLASS A BORO 3.3 GLASS.

Glassco imports 400 MT of glass tubes per annum. Glassco normally keeps a stock for 3 months at any point of time which amounts to more than 80 tonnes of glass tubing.

Raw Material

COMPUTERISED GLASS FORMING MACHINE

A computer controlled joint making machine installed at the plant gives added leverage to produce precise dimensions of sockets, cones, rims and flanges.

An automatic joint making machine ensures consistent quality of joints. All the products travel through conveyor ovens for annealing / de-stressing that runs round the clock.

Furnace
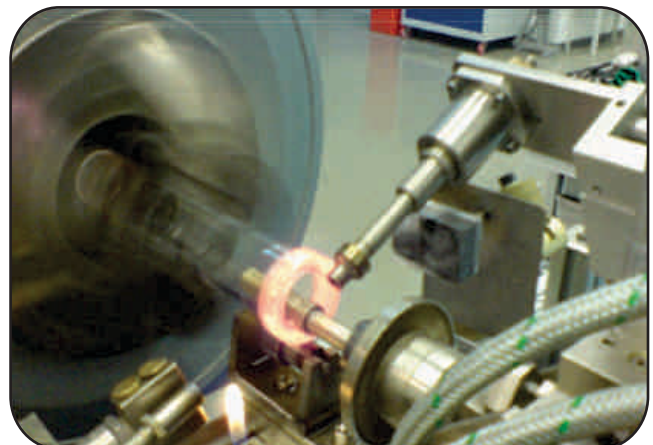
CNC Machine

Infrastructure

PRINTING MACHINE

For the printing process Glassco employs an automatic Printing Machine. Due to this, it is possible to handle huge volumes of glassware for printing with consistent quality.
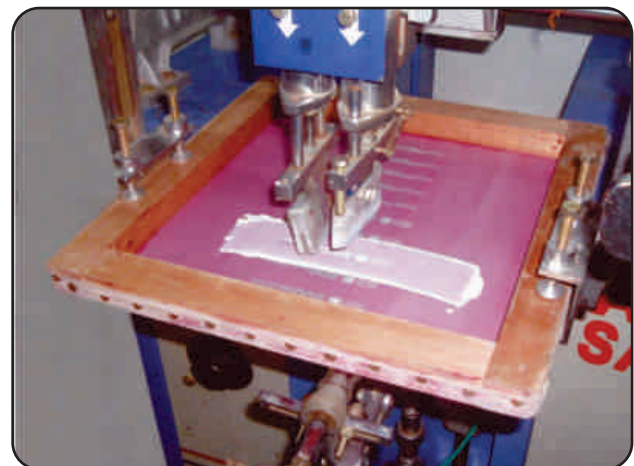
ULTRASONIC WASHING MACHINE

For the washing of glassware after grinding, Glassco uses state-of-the-art ultrasonic washing machine which is developed and designed in-house and can wash upto 5,000 pieces in 8 hours.

For running the complete manufacturing facility, a custom-made software is used.

Glassco intends to use RFID technology in coming future.

Grinding Machine   Hand Polishing being done   Washing Machine

CALIBRATION LABORATORY

Glassco has automatic facility for calibrating volumetric flasks and cylinders, Glassco uses machines imported from Germany. These machines help to get an accuracy of 0.003%, so every product that Glassco make is within A-Class tolerance. For the burettes and pipettes Glassco use an automatic QUALITY CONTROL CENTER FOR verification of the calibration results.

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

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

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

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

Please visit our website www.glasscolabs.com to see list of accreditation bodies.
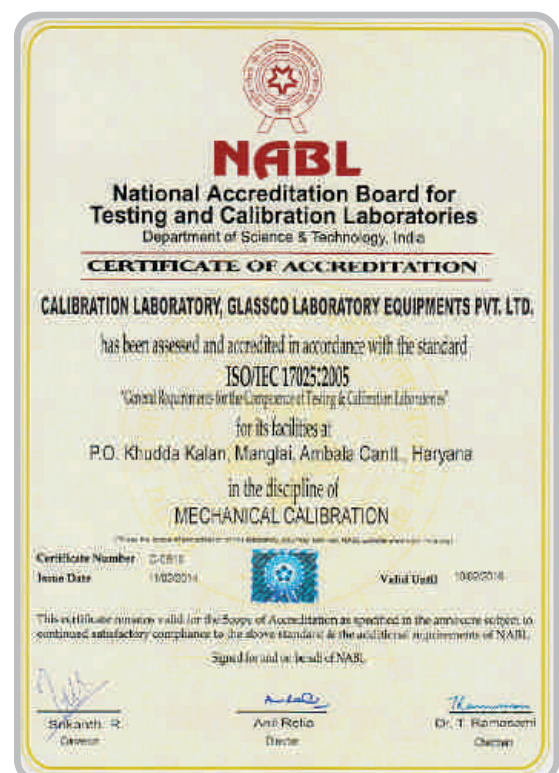
QUALITY POLICY

Glassco shall endeavor to produce and supply laboratory products at attractive pricings that meet or exceed customer's expectations, with stress on timely deliveries.

This shall be achieved by obtaining customer feedbacks of our performance and making relevant changes in our management system for continual improvement.

QUALITY MANAGEMENT SYSTEM

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

The Quality Management system at Glassco is ISO 9001:2008 certified by Moody ICL; accredited to UKAS.

Glassco maintains Quality System manual for all its business processes and at all manufacturing and post – manufacturing levels, quality system is strictly adhered to.

People supervising work affecting quality at Glassco, are trained internal auditors and carry out internal audits in routine practice

Certificate of Registration

Intertek

This is to certify that the quality management system of

Glassco Laboratory Equipments Pvt. Ltd.
Manglai, P.O. Khudda Kalan, Ambala Cantt - 133004, Haryana, India

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

ISO 9001:2008

The quality management system is applicable to

Manufacturing Glassware for use in Laboratories

Certificate Number: PG-C099.06-01
Original Issue Date: 08 March 2012
Issue Date: 25 February 2014
Certificate Expiry Date: 24 April 2017

Quality

7 Steps to Quality

For GLASSCO, Quality Assurance has the foundation in Quality planning in all function

- Quality plan for communication with you
- Quality in translating your requirements to our objectives
- Quality of raw material, not excluding those of semi finished and in process
- Quality in plant setup, including, trained manpower, latest machinery & technology
- Quality in calibration of volumetric glassware
  Quality in services
- Analysis of data of all processes

Dimensional Checks

Glassco carries out dimensional check with gages and calipers for all the material produced in the company, while in process and also before further processing
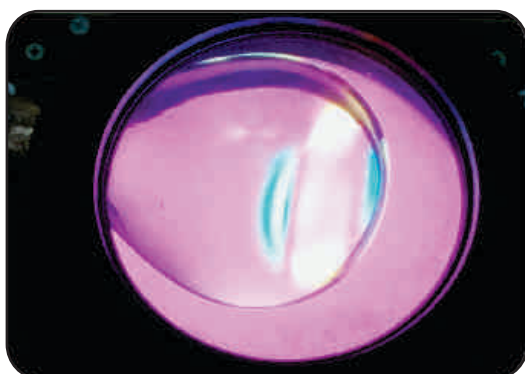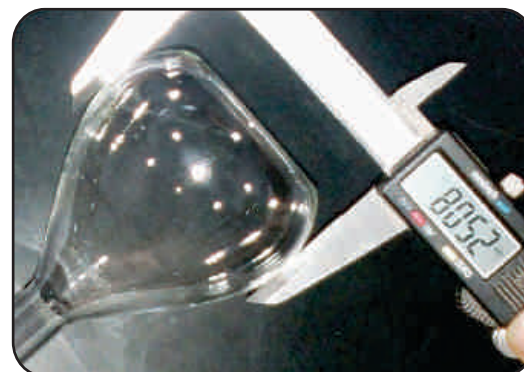
Glass stress-free checks

Glassco has four on line annealing furnaces where all the products are annealed to remove manufacturing stress from glass to ensure that product has long use life. Glassco has four stress viewers installed at several locations for this purpose.

Wall strength, thickness checks

Glassco has two very sophisticated thickness testers for viewing the thickness of glass in the glassware manufactured by blowing. This helps to ensure that the thickness is always over the norms in the standards like ASTM/DIN/ISO. This ensures that product has long use life and is safe to use.

Quality

Optical Clarity Checks

Glassco verifies the optical clarity of all the products 100% of them twice...! Once when the product is first produced and secondly before the product is to be packed to ship.

Fit testing for joints

The taper of the male(cones) and female(sockets) are verified by gages and taper test tools before further processing, this ensures that the joints are secured of leaks.

Vacuum testing of mating joints

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

Print color adhesion test

All the prints on the glass are verified for colour adhesion by subjecting them to acid boiling, scratch and tape peel off test.
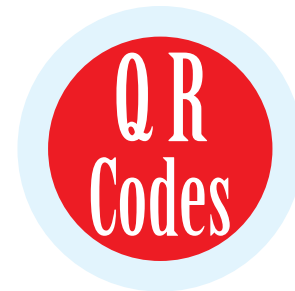
Now ...

Product Certifications including

Calibration and Conformance

available at your fingertips !

QR CODES !

Now On Cartons Of All Glassco Wares!

Scan For Certificates

Use your **Smartphone** to scan the QR Code on the box labels …
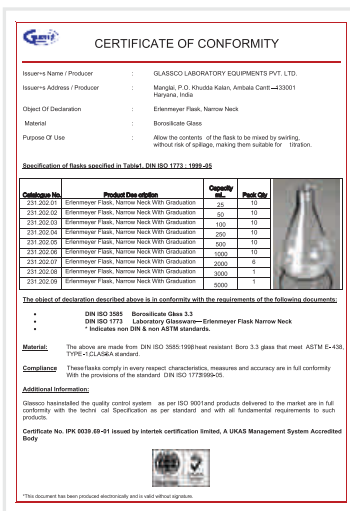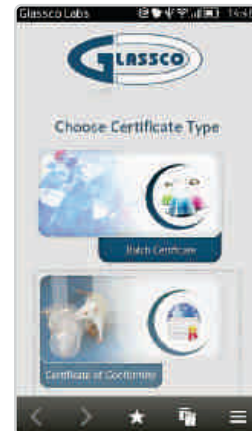
Just select the Certificate you wish to see…

Conformity…

Calibration …
(Individual or Batch)

CERTIFICATE OF CONFORMITY

Issuer=s Name / Producer	: GLASSCO LABORATORY EQUIPMENTS PVT. LTD.
Issuer=s Address / Producer	: Mangal, P.O. Khudda Kalan, Ambala Cantt—133001 Haryana, India
Object Of Declaration	: Erlenmeyer Flask, Narrow Neck
Material	: Borosilicate Glass
Purpose Of Use	: Allow the contents of the flask to be mixed by swirling, without risk of spillage, making them suitable for titration.

Specification of flasks specified in Table1, DIN ISO 1773 : 1999-05

Catalogue No.	Product Description	Capacity mL	Pack Qty
231.202.01	Erlenmeyer Flask, Narrow Neck With Graduation	25	10
231.202.02	Erlenmeyer Flask, Narrow Neck With Graduation	50	10
231.202.03	Erlenmeyer Flask, Narrow Neck With Graduation	100	10
231.202.04	Erlenmeyer Flask, Narrow Neck With Graduation	250	10
231.202.05	Erlenmeyer Flask, Narrow Neck With Graduation	500	10
231.202.06	Erlenmeyer Flask, Narrow Neck With Graduation	1000	10
231.202.07	Erlenmeyer Flask, Narrow Neck With Graduation	2000	6
231.202.07	Erlenmeyer Flask, Narrow Neck With Graduation	3000	1
231.202.08	Erlenmeyer Flask, Narrow Neck With Graduation	5000	1

The object of declaration described above is in conformity with the requirements of the following documents:
- DIN ISO 3585 Borosilicate Glass 3.3
- DIN ISO 1773 Laboratory Glassware= Erlenmeyer Flask Narrow Neck
- * Indicates non DIN & non ASTM standards.

Material: The above are made from DIN ISO 3585:1998 heat resistant Boro 3.3 glass that meet ASTM E-438, TYPE-1,CLASEA standard.

Compliance These flasks comply in every respect characteristics, measures and accuracy are in full conformity With the provisions of the standard DIN ISO 1773:999-05.

Additional Information:
Glassco has installed the quality control system as per ISO 9001 and products delivered to the market are in full conformity with the technical Specification as per standard and with all fundamental requirements to such products.

Certificate No. IPK 0039.69-01 issued by Intertek certification limited, A UKAS Management System Accredited Body

*This document has been produced electronically and is valid without signature.

Certificate of conformity

Individual

Glassco Laboratory Equipments Pvt. Ltd.

CALIBRATION CERTIFICATE
[Glassco Calibration Laboratory]

Calibration Certificates

Batch / Lot

www.glasscolabs.com
VOLUMETRIC FLASK CLASS A

CATALOGUE NO	:	130.202.05
NOMINAL VOLUME	:	100.00 ml
TOLERANCE	:	±0.143 ml
COMPLIANCE	:	ISO 1042:1258
BATCH NO	:	23.14
MEAN VOLUME	:	
CONFIRMED	:	99.957 ml
STANDARD DEVIATION	:	2.017 ml
TESTING DEVICE NAME	:	SARTORIUS
BALANCE	:	ABAL-14,4201 ±0.01g
WEIGHTS	:	100g
THERMOMETER	:	DIADT <50 to500 UEO CN.1DEG C
OPERATOR	:	KALSEAD
DATE OF ISSUE	:	12.03.14

BATCH TEST CERTIFICATE

www.glasscolabs.com

Glassco Recommends..

On I Phone	:	Quickscan
On Nokia	:	Symbian … NeoReader
		Windows… QR Code Reader
		Asha… Upcode
On Android	:	Barcode Scanner
On Blackberry	:	BeBeOs Mobile App

Interchangeable
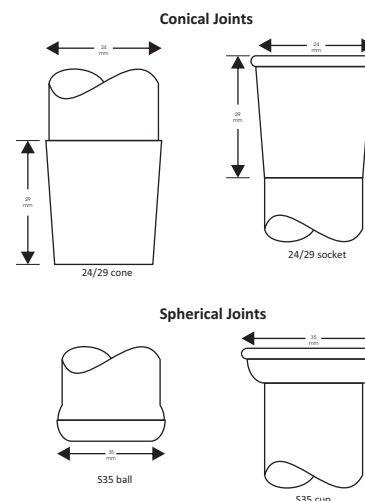Glassware

Standard Joints

JOINTS
- In compliance with ISO 383/DIN 12249 Standards.
- Unprinted sockets to avoid getting printed charred
- Smooth grinding surface finish to avoid leakage

Conical Joints

Size	Actual Dia of Wide End (mm)	Actual Dia of Narrow End (mm)	Nominal Length of Engagement (mm)
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

Conical Joints

24/29 cone

24/29 socket

Spherical Joints

S35 ball

S35 cup

Sockets Single DIN 12249

Item Code	Socket Size	Approx. O.D. of tube mm	Total Length mm	Pcs/ Pack
001.202.02	10 / 19	13	120±10	10
001.202.03	12 / 21	16	120±10	10
001.202.04	14 / 23	18	120±10	10
001.202.05	19 / 26	22	125±10	10
001.202.06	24 / 29	28	135±10	10
001.202.07	29 / 32	32	135±10	10
001.202.08	34 / 35	38	150±15	10
001.202.09*	40 / 38	45	150±15	10
001.202.10	45 / 40	50	150±15	10
001.202.11*	50 / 42	55	150±15	10
001.202.12*	55 / 44	60	150±15	10

* Non DIN

Cones Single DIN 12249

Item Code	Cone Size	Approx. O.D. of tube mm	Total Length mm	Pcs/ Pack
002.202.02	10 / 19	8	120±10	10
002.202.03	12 / 21	9	120±10	10
002.202.04	14 / 23	13	120±10	10
002.202.05	19 / 26	16	120±10	10
002.202.06	24 / 29	22	150±15	10
002.202.07	29 / 32	26	150±15	10
002.202.08	34 / 35	30	150±15	10
002.202.09*	40 / 38	36	150±15	10
002.202.10	45 / 40	40	150±15	10
002.202.11*	50 / 42	45	150±15	10
002.202.12*	55 / 44	50	150±15	10

* Non DIN

Cones with Tip Single DIN 12249

Item Code	Cone Size	Approx. O.D. of tube mm	Total Length mm	Pcs/ Pack
003.202.03	12 / 21	9	120±10	10
003.202.04	14 / 23	13	120±10	10
003.202.05	19 / 26	16	120±10	10
003.202.06	24 / 29	22	150±15	10
003.202.07	29 / 32	26	150±15	10
003.202.08	34 / 35	30	150±15	10
003.202.09*	40 / 38	36	150±15	10
003.202.10	45 / 40	40	150±15	10
003.202.11*	50 / 42	45	150±15	10
003.202.12*	55 / 44	50	150±15	10

* Non DIN

As per ASTM Standard E 676

Item Code	Socket Size	Approx. O.D. of tube mm	Total Length mm	Pcs/ Pack
004.202.03	10 / 30	13	120±10	10
004.202.04	12 / 32	16	120±10	10
004.202.05	14 / 35	18	120±10	10
004.202.06	19 / 38	22	125±10	10
004.202.07	24 / 40	28	135±15	10
004.202.08	29 / 42	32	135±15	10
004.202.09	34 / 45	38	150±15	10
004.202.10	45 / 50	50	150±15	10

ASTM

Socket Full Length Single

Cones Full Length Plain & Single

ASTM

As per ASTM Standard E 676

Item Code	Cone Size	Approx. O.D. of tube mm	Total Length mm	Pcs/ Pack
005.202.03	10 / 30	8	120±10	10
005.202.04	12 / 32	10	120±10	10
005.202.05	14 / 35	13	120±10	10
005.202.06	19 / 38	16	120±10	10
005.202.07	24 / 40	22	150±15	10
005.202.08	29 / 42	26	150±15	10
005.202.09	34 / 45	30	150±15	10
005.202.10	45 / 50	40	150±15	10

Sockets Double DIN 12249

Item Code	Socket Size	Approx. O.D. of tube mm	Total Length mm	Pcs/ Pack
006.202.02*	10 / 19	14	135±2	10
006.202.03	14 / 23	18	135±2	10
006.202.04	19 / 26	22	140±2	10
006.202.05	24 / 29	28	170±5	10
006.202.06	29 / 32	32	170±5	10
006.202.07	34 / 35	38	180±5	10

* Non DIN

Conical Joint Clips KECK

Keck Clips for Joints
· Manufactured from PP
· Outstanding chemical resistant.
· Autoclavable with maximum operating temp of 135^{0}C.

Item Code	N/S	Colour	Pcs/Pack
007.204.03	14/23	Yellow	100
007.204.04	19/26	Blue	100
007.204.05	24/29	Green	100
007.204.06	29/32	Red	100

Spherical Joint
· Unprinted sockets to avoid getting printed charred
· Smooth grinding surface finish to avoid leakage

DIN 12264

Item Code	Cup Joint (male)	Code Approx. Bore	Manimum Shank Length mm	Pcs/Pack
008.202.02	S13	5	100	10
008.202.03	S19	9	100	10
008.202.04	S29	15	100	10
008.202.05*	S35	19	100	10
008.202.06*	S41	27	100	10

* Non DIN

Spherical Joint Cup

Spherical Joint Ball

DIN 12264

Item Code	Cup Joint (Female)	Code Approx. Bore	Manimum Shank Length mm	Pcs/Pack
009.202.02	S13	5	100	10
009.202.03	S19	9	100	10
009.202.04	S29	15	100	10
009.202.05*	S35	19	100	10
009.202.06*	S41	27	100	10

* Non DIN

Metal Joint Clips

Clips for Spherical Joint
· Manufactured from metal which is resistant to corrosion.
· Used for retaining of the spherical joint

Item Code	To fit flat spherical Joint size	To fit flat flange Joint size	Pcs/Pack
010.202.01	S13	-	10
010.202.02	S19	-	10
010.202.03	S29	-	10
010.202.04	S35	-	10
010.202.05	S41	-	10

Stoppers

Stoppers , Hollow with Flat bottom

· In compliance with Din 12252 standard
· Used on different kind of jointed products like bottles, stoppered cylinder and jointed flasks mainly volumetric flasks.
· Hexagonal head if placed on at head end avoids contamination of ground surface , with hexagonal form head it also helps in preventing the rolling of the stopper and provides a good grip.
· The stoppers below comes in drip tip form also which if placed on the flask helps liquid to return to the flask till the last drop.

Hollow Stoppers

DIN 12252

Item Code	N/S	Bottom Type	Pcs/Pack
011.202.01	10 / 19	Flat	100
011.202.02	12 / 21	-	100
011.202.02A	14 / 23	-	100
011.202.03	19 / 26	-	100
011.202.04	24 / 29	-	100
011.202.05	29 / 32	-	100
011.202.06	34 / 35	-	100
011.205.01	10 / 19	Tip	100
011.205.02	12 / 21	-	100
011.205.03	14 / 23	-	100
011.205.04	19 / 26	-	100
011.205.05	24 / 29	-	100
011.205.06	29 / 32	-	100
011.205.07	34 / 35	-	100

PS : Hollow Stoppers can be provided in Amber color. Prices can be sent on request.

Stopper, Polyethylene.
· Manufactured from polyethylene .
· In compliance with Din 12254 standard
· Used mainly with volumetric flasks the hexagonal form large head provides good grip and also protects flasks from breaking if it drops accidentally .

Plastic Stoppers

White & Blue DIN 12254

Item Code	N/S	Pcs/Pack
011.232.01	10 / 19	100
011.232.02	12 / 21	100
011.232.03	14 / 23	100
011.232.04	19 / 26	100
011.232.05	24 / 29	50
011.232.06	29 / 32	50
011.232.07*	34 / 35	50

* Non DIN

Stoppers & Adapters

Stopper Solid Penny Head

· Used on different kind of jointed products like bottles, stoppered cylinder and jointed flasks mainly volumetric flasks.
· The stopper provides a good grip.
· Stoppers mentioned below come in two forms one is DIN STANDARD joint sizes and ASTM standard joint sizes which is mainly used on Volumetric Flasks.

Solid
Penny or Flat
Head

Item Code	N/S	Pcs/Pack
012.202.01	10/19	100
012.202.02	14/23	100
012.202.03	19/26	100
012.202.04	24/29	100
012.202.05*	29/32	100
012.202.06*	34/35	100

* Non DIN

Solid Penny Head Glass Stoppers for ASTM Standard Flasks

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

Item Code	Description	Pack Size
012.269.02	STOPPER NUMBER 13	100
012.269.02A	STOPPER NUMBER 16	100
012.269.03	STOPPER NUMBER 19	100
012.269.04	STOPPER NUMBER 22	100
012.269.05	STOPPER NUMBER 27	100

PS : Penny Head Stoppers can be provided in Amber color. Prices can be sent on request.

Penny Head
Stoppers For
ASTM Flasks

ASTM

Bushing
Adapters

Bushing Adapters with Drip Tip

· Thick wall and reinforced rim.
· Outside of the bushing has full length and inside has smaller length.

Item Code	Socket Size	Cone Size	Pcs/Pack
013.230.01	14 / 23	19 / 26	100
013.230.02	19 / 26	29 / 32	100

Adapters

All adapters come in different shapes and sizes and are manufactured from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS.

PS: All these adapter are made as per DIN standard joint sizes but on special request can also be provided with ASTM joint sizes.

DIN 12257

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

* Non DIN

Reduction Adapters

Expension Adapters

DIN 12257

Item Code	Sockets size	Cone size	Pcs/ Pack
014.202.01	19 / 26	14 / 23	10
014.202.02 *	24 / 29	14 / 23	10
014.202.03 *	24 / 29	19 / 26	10
014.202.03A	29 / 32	14 / 23	10
014.202.04	29 / 32	19 / 26	10
014.202.05 *	29 / 32	24 / 29	10
014.202.06 *	34 / 35	19 / 26	10
014.202.07 *	34 / 35	24 / 29	10
014.202.08 *	34 / 35	29 / 32	10
014.202.09 *	40 / 38	24 / 29	10
014.202.10 *	45 / 40	29 / 32	10

* Non DIN

Multiple Adapters With two parallel necks, DIN 12594

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

* Non DIN

Multiple Adapters
with two necks, one vertical & one at 45°

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

Multiple Adapters
with three necks, two parallel & one at 45°

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

Swan Neck Adapter with screw thread to accept thermometers, air leak tubes etc

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

Swan Neck Adapter

Receiver Delivery Adapter

Short Stem

Item Code	Socket Size	Approx. length mm	Pcs/Pack
019.202.01	14 / 23	65	1
019.202.02	19 / 26	65	1
019.202.03	24 / 29	65	1
019.202.04	29 / 32	65	1

Long Stem

Item Code	Socket Size	Approx. length mm	Pcs/Pack
019.202.05	14 / 23	190	1
019.202.06	19 / 26	200	1
019.202.07	24 / 29	200	1
019.202.08	29 / 32	200	1

Receiver Adapter

Receiver Adapters Straight

Item Code	Socket Size	Pcs/Pack
020.202.01	14 / 23	1
020.202.02	19 / 26	1
020.202.03	24 / 29	1
020.202.04	29 / 32	1

Receiver Adapters

Receiver Adapters Bend with Vent

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

Straight with Vacuum
Connection & Screw Thread Adapter, DIN 12594

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

*Non DIN

Receiver Adapters

Receiver Adapters

Bend with Vacuum
Connection & Screw Thread Adapter, DIN 12594

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

*Non DIN

Receiver Adapter with **One Side Inclined** at an angle of 105°

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

Receiver Adapters

Receiver Adapters

Receiver Adapter with **Multiple Connection** & Screw Thread

Item Code	Socket Size	Cone Size	Pcs/ Pack
024.202.01	14 / 23	14 / 23	1
024.202.02	14 / 23	19 / 26	1
024.202.03	19 / 26	19 / 26	1

Receiver Adapters

Plain Bend

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

Recovery Bend with **Sloping End**

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

Recovery Bend

Vertical

Item Code	Cone Size to fit flask	Cone size to fit condenser	Pcs/ Pack
027.202.01	14 / 23	14 / 23	1
027.202.02	19 / 26	19 / 26	1
027.202.03	24 / 29	19 / 26	1
027.202.04	24 / 29	24 / 29	1
027.202.05	29 / 32	29 / 32	1

Still Head Plain
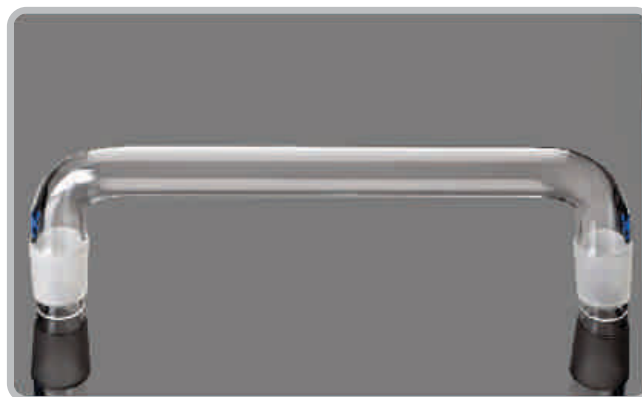
with **Thermometer Socket**

Item Code	Socket Size	Cone size to fit flask	Cone size to fit condenser	Pcs/ Pack
028.202.01	14 / 23	14 / 23	14 / 23	1
028.202.02	14 / 23	19 / 26	19 / 26	1
028.202.03	14 / 23	24 /29	19 / 26	1
028.202.04	14 / 23	29 / 32	19 / 26	1
028.202.05	14 / 23	34 / 35	19 / 26	1
028.202.06	14 / 23	24 / 29	24 / 29	1
028.202.07	14 / 23	34 / 35	24 / 29	1
028.202.08	14 / 23	29 / 32	24 / 29	1
028.202.09	14 / 23	29 / 32	29 / 32	1
028.202.10	14 / 23	34 / 35	29 / 32	1

Sloping with 2 x B14 Socket

Item Code	Socket Size	Cone Size to fit flask	Cone size to fit condenser	Pcs/ Pack
029.202.01	14 / 23	14 / 23	14 / 23	1
029.202.02	14 / 23	19 / 26	19 / 26	1
029.202.03	14 / 23	24 / 29	19 / 26	1
029.202.04	14 / 23	24 / 29	24 / 29	1
029.202.05	14 / 23	29 / 32	29 / 32	1
029.202.06	14 / 23	34 / 35	24 / 29	1

Claisen Heads

Splash Heads

Vertical

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

Splash Heads

Vertical Pear Shape

Item Code	Cone Size to fit flask	Cone size to fit condenser	Pcs/ Pack
031.202.01	14 / 23	14 / 23	1
031.202.02	19 / 26	19 / 26	1
031.202.03	24 / 29	19 / 26	1
031.202.04	24 / 29	24 / 29	1
031.202.05	29 /32	29 / 32	1

Splash Heads

Sloping Pear Shape

Item Code	Cone Size to fit flask	Cone size to fit condenser	Pcs/Pack
032.202.01	14 / 23	14 / 23	1
032.202.02	19 / 26	19 / 26	1
032.202.03	24 / 29	19 / 26	1
032.202.04	24 / 29	24 / 29	1
032.202.05	29 /32	29 / 32	1

Steam Distillation Heads

Steam Distillation Heads with screw thread
Sloping

Item Code	Cone Size to fit flask	Cone size to fit condenser	Pcs/Pack
033.202.01	24 / 29	19 / 26	1
033.202.02	34 / 35	19 / 26	1
033.202.03	34 / 35	24 / 29	1

Cone Adapters

Stopcock Cone with Glass stopcock

Item Code	Cone	Stop cock Bore	Pcs/Pack
034.202.01	14 / 23	3	1
034.202.02	19 / 26	3	1
034.202.03	24 / 29	3	1
034.202.04	29 / 32	3	1

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

Stopcock Socket with Glass stopcock

Item Code	Socket	Stop cock Bore	Pcs/Pack
035.202.01	14 / 23	3	1
035.202.02	19 / 26	3	1
035.202.03	24 / 29	3	1
035.202.04	29 / 32	3	1

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

Socket Adapter

Cone Adapter

Adapter Cone to Rubber Tubing
Right angle connection with screw thread

Item Code	Cone	Pcs/Pack
036.202.01	14 / 23	1
036.202.02	19 / 26	1
036.202.03	24 / 29	1
036.202.04	29 / 32	1

Cone Adapter

Adapter Cone with Stem to Rubber Tubing
Right angle connection

Item Code	Cone	Pcs/Pack
037.202.01	14 / 23	1
037.202.02	19 / 26	1
037.202.03	24 / 29	1
037.202.04	29 / 32	1

Socket Adapter

Adapter Sockets to Rubber Tubing
connection with Screw Thread

Item Code	Cone	Pcs/Pack
038.202.01	14 / 23	1
038.202.02	19 / 26	1
038.202.03	24 / 29	1
038.202.04	29 / 32	1

Socket to Cone
with side arm & screw thread

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

Socket Adapter

Drying Tube

Drying Tube

Item Code	Cone	Pcs/Pack
041.202.01	14 / 23	10
041.202.02	19 / 26	10
041.202.03	24 / 29	10
041.202.04	29 / 32	10

Thermometer Pocket

Thermometer Pocket

Item Code	Cone	Approx. Stem Length	Pcs/ Pack
042.202.01	14 / 23	45mm	10
042.202.02	19 / 26	45mm	10

Air Leak Tube/Gas Inlet Tube

Air Leak Gas Inlet Tube

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

Cone Adapter

Adapter Cone Screw Thread

Item Code	Cone	Acceptable Dia Through Screw Thread mm	Pcs/ Pack
056.202.01	14 / 23	6mm	10
056.202.02	19 / 26	6mm	10
056.202.03	24 / 29	6mm	10
056.202.04	29 / 32	6mm	10

Screw Thread

Item Code	Thread GL	Pack
056.470.01	14	100

Screw Thread

Plastic Hose Connection

Plastic Hose Connection

Item Code	Thread GL	Type	Pack
056.474.01	14	Straight	100

Flasks

All the Flasks Mentioned in this section are manufactured from ASTM 438 type 1 Class BORO 3.3 Heat Resistant Glass.

All the Flasks come with Thick Uniform wall thickness and are printed with white enamel.

All the Flasks comply to their respective DIN / ISO / ASTM & UPS standards. As defined against each product.

Round Bottom Flask

These flasks are as per
DIN / ISO 4797 and **USP standard**

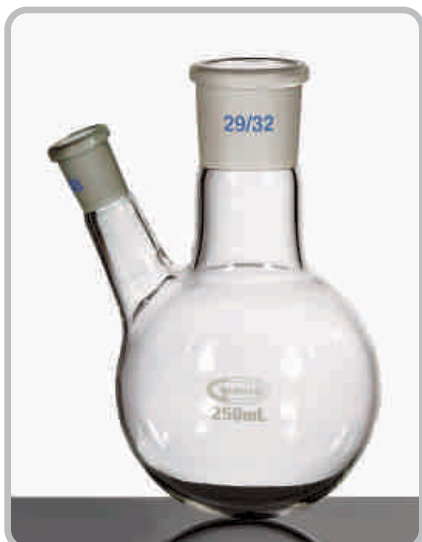| Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Dia mm	Pcs/ Pack
057.202.05	25	14 / 23	85	41	10
057.202.06 *	25	19 / 26	85	41	10
057.202.07 *	25	24 / 29	85	41	10
057.202.08	50	14 / 23	90	51	10
057.202.09	50	19 / 26	90	51	10
057.202.10	50	24 / 29	115	51	10
057.202.10A	50	29 / 32	115	51	10
057.202.11	100	14 / 23	105	64	10
057.202.12	100	19 / 26	105	64	10
057.202.13	100	24 / 29	105	64	10
057.202.14	100	29 / 32	105	64	10
057.202.20	250	14 / 23	140	85	10
057.202.21	250	19 / 26	140	85	10
057.202.22	250	24 / 29	140	85	10
057.202.23	250	29 / 32	140	85	10
057.202.25 *	500	19 / 26	163	105	10
057.202.26	500	24 / 29	163	105	10
057.202.27	500	29 / 32	163	105	10
057.202.29 *	1000	19 / 26	200	131	10
057.202.30	1000	24 / 29	200	131	10
057.202.31	1000	29 / 32	200	131	10
057.202.32 *	1000	34 / 35	200	131	10
057.202.33	2000	24 / 29	240	166	6
057.202.34	2000	29 / 32	240	166	6
057.202.35 *	2000	34 / 35	240	166	6
0.57.202.36*	3000	29 / 32	260	185	1
0.57.202.37*	3000	45 / 40	260	185	1
0.57.202.40*	5000	29 / 32	305	223	1
0.57.202.41*	5000	45 / 40	305	223	1
0.57.202.44*	10000	29 / 32	380	279	1
0.57.202.45	10000	45 / 40	380	279	1

* Non DIN

Round Bottom Flask with Joint.
These Flasks comes with Ground Joint manufactured as per ASTM E 1403 type 1 specifications.
The Flasks are printed in white colour enamel.

Item Code	Capacity ml	Socket Size	Approx. overall height mm.	Dia mm	Pcs/ Pack
057.202.57	50	24 / 40	100	51	2
057.202.58	100	24 / 40	115	64	2
057.202.58A	200	24 / 40	128	75	2
057.202.59	250	24 / 40	140	85	2
057.202.59A	300	24 / 40	148	88	2
057.202.60	500	24 / 40	158	105	2
057.202.61	1000	24 / 40	185	131	1
057.202.62	2000	24 / 40	215	166	1

Round Bottom Flask

ASTM

Flat Bottom Flask

These flasks are as per **DIN / ISO 4797** and **USP standard**

Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Dia mm	Pcs/ Pack
058.202.01	50	19 / 26	85	51	10
058.202.02	50	24 / 29	85	51	10
058.202.02A	50	29 / 32	85	51	10
058.202.03	100	19 / 26	103	64	10
058.202.04	100	24 / 29	103	50	10
058.202.05	100	29 / 32	103	64	10
058.202.07*	150	19 / 26	115	74	10
058.202.08*	150	24 / 29	115	74	10
058.202.09*	150	29 / 32	115	74	10
058.202.11	250	19 / 26	130	85	10
058.202.12	250	24 / 29	130	85	10
058.202.13	250	29 / 32	130	85	10
058.202.15*	500	19 / 26	160	103	10
058.202.16	500	24 / 29	160	103	10
058.202.17	500	29 / 32	160	160	10
058.202.19	1000	24 / 29	187	131	10
058.202.20	1000	29 / 32	187	131	10
058.202.21*	1000	34 / 35	187	131	10
058.202.22	2000	24/29	230	166	6
058.202.23	2000	29 / 32	230	166	6
058.202.24*	2000	34 / 35	230	166	6

* Non DIN

Flat Bottom Flask with Joint.
These Flasks comes with Ground Joint manufactured as per ASTM E 1403 type 1 specifications.
The Flasks are printed in white colour enamel.

Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Dia mm	Pcs/ Pack
058.202.56	50	24 / 40	103	51	2
058.202.58	100	24 / 40	103	64	2
058.202.58C	200	24 / 40	122	75	2
058.202.59	250	24 / 40	130	85	2
058.202.59A	300	24 / 40	140	88	2
058.202.60	500	24 / 40	160	105	2
058.202.61	1000	24 / 40	187	131	1
058.202.62	2000	24 / 40	230	166	1

All type of 2 Neck & 3 Neck Flasks comes in uniform wall thickness and is used mainly where different kind of Columns, Condensers and Dropping Funnels can be fitted.

Flat Bottom Flask

ASTM

2 Neck Parallel Flask
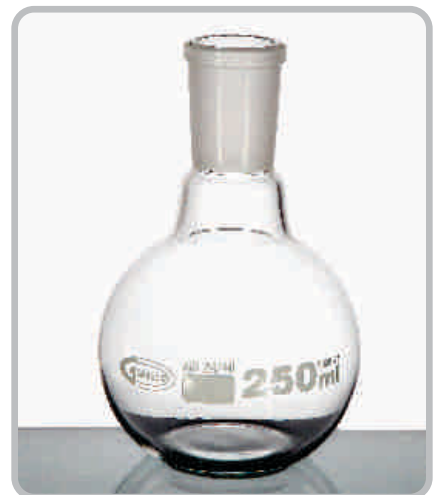
Two Neck
All these flasks are as per **DIN 12394 & USP Standard**

Item Code	Nominal Capacity ml	Socket Size	Side Sockets	Approx. overall height mm.	Pcs/ Pack
059.202.01	50	24 / 29	14 / 23	105	1
059.202.02	50	29 / 32	14 / 23	105	1
059.202.03	100	24 / 29	14 / 23	105	1
059.202.04	100	24 / 29	19 / 26	105	1
059.202.05	100	29 / 32	14 / 23	105	1
059.202.06	250	24 / 29	14 / 23	140	1
059.202.07	250	24 / 29	19 / 26	140	1
059.202.08	250	29 / 32	14 / 23	140	1
059.202.09	500	24 / 29	14 / 23	163	1
059.202.10	500	24 / 29	19 / 26	163	1
059.202.11	500	29 / 32	14 / 23	163	1
059.202.12	1000	24 / 29	14 / 23	200	1
059.202.13	1000	24 / 29	19 / 26	200	1
059.202.14	1000	29 / 32	14 / 23	200	1
059.202.15	2000	34 / 35	19 / 26	240	1

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

Three Angular Neck These flasks are as per
ISO 838 standard & USP

Item Code	Nominal capacity ml	Centre socket	Side Sockets	Approx. overall height mm.	Pcs/ Pack
060.202.01	100	19 / 26	14 / 23	105	1
060.202.02	100	24 / 29	14 / 23	105	1
060.202.03	100	24 / 29	19 / 26	105	1
060.202.03A	100	29 / 32	14 / 23	105	1
060.202.04	250	19 / 26	19 / 26	140	1
060.202.05	250	24 / 29	14 / 23	140	1
060.202.06	250	24 / 29	19 / 26	140	1
060.202.07	250	29 / 32	14 / 23	140	1
060.202.08	250	29 / 32	19 / 26	140	1
060.202.08A	250	29 / 32	29 / 32	140	1
060.202.09	500	24 / 29	14 / 23	163	1
060.202.10	500	24 / 29	19 / 26	163	1
060.202.11	500	29 / 32	14 / 23	163	1
060.202.12	500	29 / 32	19 / 26	163	1
060.202.12A	500	29 / 32	29 / 32	163	1
060.202.13	1000	24 / 29	14 / 23	200	1
060.202.14	1000	24 / 29	19 / 26	200	1
060.202.15	1000	29 / 32	14 / 23	200	1
060.202.16	1000	29 / 32	19 / 26	200	1
060.202.17	1000	29 / 32	29 / 32	200	1
060.202.18	2000	24 / 29	19 / 26	240	1
060.202.19	2000	29 / 32	24 / 29	240	1
060.202.20	2000	29 / 32	29 / 32	240	1

These flasks can also be provided in other joint sizes

Three Parallel Neck These flasks are as per **DIN 12392 & USP Standard**

Item Code	Nominal capacity ml	Centre socket	Side Sockets	Approx. overall height mm.	Pcs/ Pack
061.202.01	250	24 / 29	19 / 26	140	1
061.202.02	250	29 / 32	14 / 23	140	1
061.202.02A	250	29 / 32	29 / 32	140	1
061.202.03	500	24 / 29	19 / 26	163	1
061.202.04	500	29 / 32	14 / 23	163	1
061.202.05	500	29 / 32	19 / 26	163	1
061.202.05A	500	29 / 32	29 / 32	163	1
061.202.06	1000	24 / 29	19 / 26	200	1
061.202.07	1000	29 / 32	14 / 23	200	1
061.202.08	1000	29 / 32	19 / 26	200	1
061.202.09	1000	29 / 32	24 / 29	200	1
061.202.10	1000	29 / 32	29 / 32	200	1
061.202.11	2000	24 / 29	19 / 26	240	1
061.202.12	2000	29 / 32	19 / 26	240	1
061.202.13	2000	29 / 32	29 / 32	240	1
061.202.14	2000	34 / 35	19 / 26	240	1
061.202.15	2000	34 / 35	24 / 29	240	1

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

Pear Shape Flask

To be used for **Semi Micro Distillation**
Manufactured as per **DIN 12383 & USP standard**

Item Code	Nominal capacity ml	Socket	Approx. diametr mm.	Approx. overall height mm.	Pcs/ Pack
062.202.06 *	25	14 / 23	38	90	10
062.202.07	50	14 / 23	48	110	10
062.202.09	100	14 / 23	58	125	10

* Non DIN

with **Two Neck**,
side neck at an angle of 25°, DIN 12383

Item Code	Nominal capacity ml	Centre socket	Side Socket	Approx. overall height mm.	Pcs/ Pack
063.202.01	50	14 / 23	14 / 23	110	1
063.202.02	100	14 / 23	14 / 23	125	1

Pear Shape Flask

Evaporating Flask

To be used in **Rotary Evaporator**

Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Pcs/ Pack
069.202.01	50	29 / 32	94	10
069.202.03	100	29 / 32	110	10
069.202.05	250	29 / 32	140	10
069.202.07	500	29 / 32	170	10
069.202.09	1000	29 / 32	210	10
069.202.10	2000	29 / 32	250	6

Jointly used for the
Determination of Nitrogen, DIN 12360

Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Pcs/ Pack
070.202.01	50	19 / 26	162	2
070.202.02	100	19 / 26	162	2
070.202.03	100	24 / 29	265	2
070.202.04 *	300	24 / 29	295	2
070.202.05	500	24 / 29	305	2
070.202.06 *	800	24 / 29	325	2

* Non DIN

Kjeldahl Flask with Joint
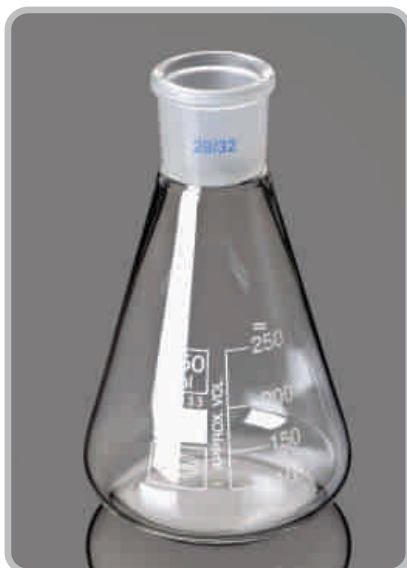
Conical Flask with Joint

These Flasks are as per ISO 4797 & USP Standards and is ideal for mixing liquids

Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Approx. overall diameter mm.	Pcs/ Pack
071.202.06 *	25	14 / 23	75	42	10
071.202.07 *	25	19 / 26	75	42	10
071.202.08 *	50	14 / 23	85	51	10
071.202.09	50	19 / 26	85	51	10
071.202.10 *	50	24 / 29	85	64	10
071.202.10A	50	29 / 32	85	64	10
071.202.11 *	100	14 / 23	105	64	10
071.202.12	100	19 / 26	105	64	10
071.202.13 *	100	24 / 29	105	64	10
071.202.14	100	29 / 32	105	64	10
071.202.17A*	200	29 / 32	131	79	10
071.202.18	250	19 / 26	140	85	10
071.202.19	250	24 / 29	140	85	10
071.202.20	250	29 / 32	140	85	10
071.202.21A*	300	29 / 32	156	87	10
071.202.22 *	500	19 / 26	175	105	10
071.202.22A*	500	24 / 29	175	105	10
071.202.23	500	29 / 32	175	105	10
071.202.25 *	1000	24 / 29	220	131	10
071.202.26	1000	29 / 32	220	131	10
071.202.27 *	1000	34 / 35	220	131	10
071.202.28	2000	29 / 32	280	166	6
071.202.29 *	2000	34 / 35	280	166	6
071.202.30 *	3000	45 / 40	310	187	1
071.202.31 *	5000	45 / 40	365	220	1

* Non DIN

Flask Erlenmeyer with Joint.

These Flasks comes with Ground Joint manufactured as per ASTM E 1404 type 2 Class 1 requirement.
The Flasks are printed in white colour enamel.

Item Code	Capacity ml	Sub Division ml	Graduation Range	Joint Size	Pcs/ Pack
071.202.50	50	10	20 - 50	19 / 38	2
071.202.51	125	25	50 - 125	24 / 40	2
071.202.52	250	25	50 - 225	24 / 40	2
071.202.52A	300	25	100 - 300	24 / 40	2
071.202.53	500	50	100 - 500	24 / 40	2
071.202.54	1000	50	250 - 1000	24 / 40	1
071.202.55	2000	100	600 - 2000	24 / 40	1

Conical Flask with Joint
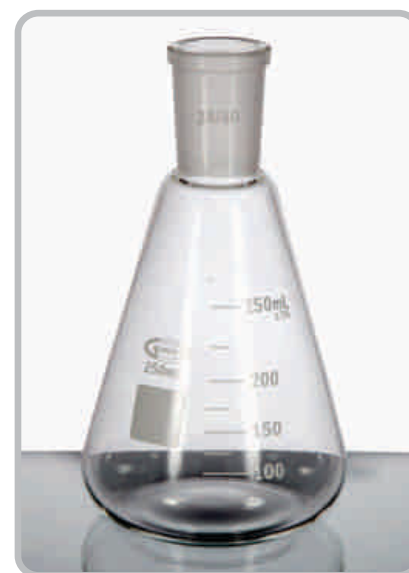
ASTM

Iodine Flask

Determination of Iodine with ground joint and stopper

Item Code	Nominal capacity ml	Joint Size	Min. Cup Capacity ml.	Pcs/ Pack
072.202.01	250	24 / 29	20	2
072.202.02	250	29 / 32	20	2
072.202.03	500	24 / 29	20	2
072.202.04	500	29 / 32	20	2

As per **ASTM E 133** standard. Intended to use in ASTM D 86, D 233, D 801 & D 802

Item Code	Nominal capacity ml	Dia mm	Height mm	Side Dia mm	Arm Lenght	Pk/ Size
073.205.01	125	68	215	7	7	2

Distillation Flasks with 19/26 Joint

073.206.01	125	68	215	7	7	2

ASTM

Distilation Flask

Filter Flask ISO

Flask Filter with Glass Connector.
These Flasks are made from heavy wall which can withstand high vacuum. The flasks are printed the white colour enamel and is made as per ISO 6556 & USP Standards

Item Code	Nominal capacity ml	Pcs/ Pack
074.202.01	100	2
074.202.02	250	2
074.202.03	500	2
074.202.04	1000	2
074.202.05	2000	1

Flask Filter with Glass Connector.
These Flasks are made from heavy wall which can withstand high vacuum. The flasks are printed the white colour enamel and is made as per ASTM E-1406, type 2 specifications.

Item Code	Capacity ml	Sub Division ml	Graduation Range	Pcs/ Pack
074.402.01	25	5	10 - 25	6
074.402.02	50	10	20 - 50	6
074.402.03	125	25	50 - 125	6
074.402.04	250	25	50 - 225	6
074.402.04A	300	25	100 - 300	6
074.402.05	500	50	100 - 500	6
074.402.06	1000	50	250 - 1000	6
074.402.07	2000	100	600-2000	1
074.402.09	4000	250	1000-4000	1

Filter Flask ASTM

ASTM
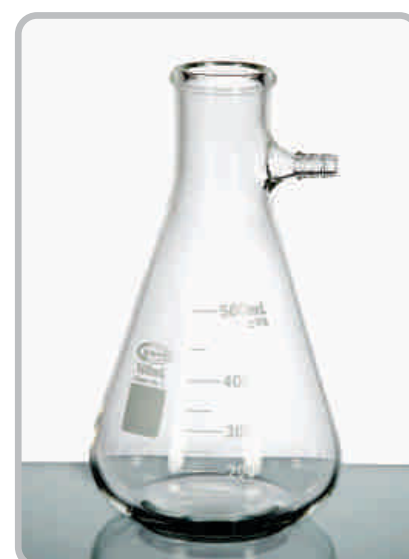
Conical Flask with Screw Cap. The screw cap is made from
Polypropelene which is Autoclavable and comes with PTFE Liner.

Item Code	Capacity	Thread GL	Dim mm	Pcs/Pack
075.202.01	50	25	51	2
075.202.02	100	25	64	2
075.202.04	250	32	85	2
075.202.05	500	32	105	2
075.202.06	1000	32	131	2

Conical Flask
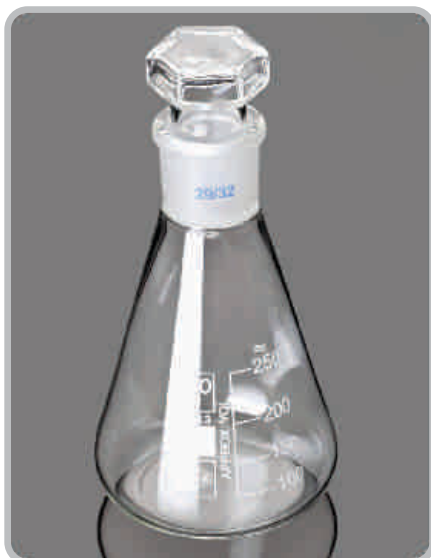
Conical Flask

Conical Flask with ground joint and hollow glass stopper

Item Code	Capacity	Dim mm	Pcs/Pack
076.202.01	100	29 / 32	2
076.202.02	250	29 / 32	2
076.202.03	500	29 / 32	2
076.202.04	1000	29 / 32	2
076.202.05	2000	29 / 32	1

Kjeldahl Flask with Plain Neck

Kjeldahl Flask
is suitable for determination of Nitrogen.
DIN 12360

Item Code	Capacity	Dia mm	Height mm	Pcs/Pack
077.202.01	100	58	240	2
077.202.02*	300	81	300	2
077.202.03	500	101	325	2
077.202.04*	800	115	350	2

* Non DIN

Tubes

Culture Tubes, screw cap manufactured from ASTM - 438 TYPE 1 CLASS A BORO 3.3 GLASS

Used mainly for culture work comes with Polypropelene autoclavable screw cap with insert of PTFE lined rubber disc

These tubes come in two forms, one is round bottom and another is flat bottom

The enamel used for printing on this is white

Round Bottom Tube

Item Code	O.D.x Lenght (mm)	Bottom Type	Pcs/ Pack
082.204.01	12 x 100	Round	100
082.204.02	16 x 100	Round	100
082.204.03	16 x125	Round	100
082.204.04	16 x 160	Round	100
082.204.05	18 x 180	Round	100
082.204.06	20 x 100	Round	100
082.204.07	20 x 200	Round	100
082.204.08	22 x 200	Round	100
082.202.05	25 x 100	Round	100
082.202.07	25 x 200	Round	50

Item Code	Capacity	O.D.x Lenght (mm)	Bottom Type	Pcs/ Pack
083.202.01	5	18 x 45	Flat	100
083.202.02	10	25 x 57	Flat	100
083.202.03	30	25 x 95	Flat	100
083.202.04	40	25 x 145	Flat	50

PS: Test Tubes in other sizes can be provided on request

Flat Bottom Tube

Centrifuge Tube
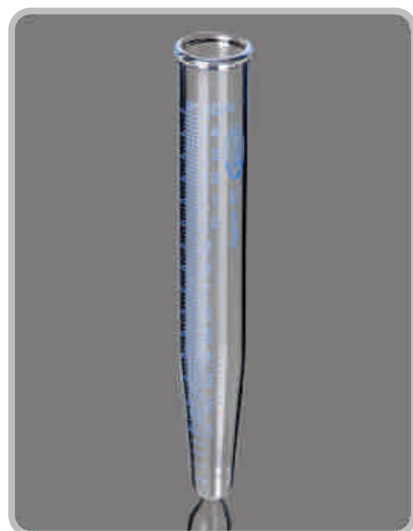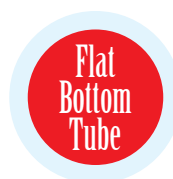
Conical Bottom Graduated

Item Code	Capacity (ml)	Height x O.D. (mm)	Pcs/ Pack
088.202.01	5	100 x 13	50
088.202.02	10	110 x 15	50
088.202.03	15	120 x17	50
088.202.04	25	125 x 22	50
088.202.05	50	125 x 28	50

Conical Bottom Plain

Item Code	Capacity (ml)	Height x O.D. (mm)	Pcs/ Pack
089.202.02	5	100 x 13	50
089.202.03	10	110 x 15	50
089.202.05	15	120 x17	50
089.202.06	25	125 x 22	50
089.202.07	50	125 x 28	50

Centrifuge Tube

Micro Centrifuge Tube

these Micro Centrifuge Tubes, moulded in Polypropylene, have built in plugs which snap fit and make these tubes leakproof. These tubes can be used for transmitting samples for micro analysis.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
130.303.01	0.5 ml	1000
130.303.02	1.5 ml	1000

Micro Centrifuge Tube

Float Rack

Float Rack

moulded in Polypropylene is quite compact, autoclavable and can hold 16 micro centrifuge tubes for incubation in water baths. Easy to load, these are essential in microbiology & immunology labs. The surface of the rack has raised alpha - numeric index for easy identification and has a ventral rod handle for convenient lifting.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
131.303.01	16 MCT'S of 1.5 ml.	12

MCT Twin Rack

provides this Twin Purpose Rack for both 0.5 ml & 1.5 ml. micro centrifuge tubes. Each side has 108 holes for 0.5 & 1.5 ml. MCT'S, respectively. The transparent top provides an excellent view as well as a protection cover for the tubes stored. Each face of the base has a unique alpha- numeric index for easy identification of the tube.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
132.303.01	Rack for 0.5 ml & 1.5 ml MCTS	4

MCT Twin Rack
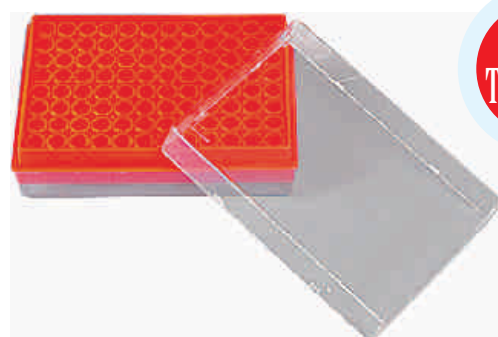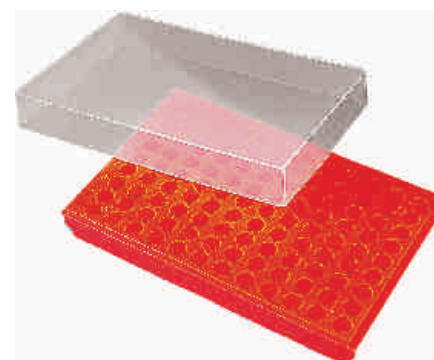
PCR Tube Rack

PCR Tube Rack

this rack, as the name suggests, is used for keeping PCR Tubes. Top & base of this rack are made of tough & transparent polycarbonate while the middle portion is made of polypropylene. The tube holding spaces are uniformly placed so as to facilitate the use of multipipettes. A no. of racks can be stacked together to save shelf space.

Material : Polycarbonate / Polypropylene

Cat. No.	Capacity	Pcs/Pack
133.303.01	Rack for 96 OCR Tubes of 0.2 ml	4
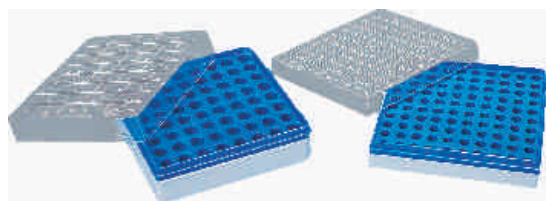
MCT Box

are moulded in polycarbonate and are therefore strong as well as autoclavable. One size can hold 64 MCT'S of 1.5 ml. & and the other can hold 100 MCT's of 0.5 ml.. These boxes are designed to work at temperatures ranging from -190℃ to +121℃. The transparent cover provides a good view of the contents inside & is numbered for better inventory control.

Material : Polycarbonate

Cat. No.	Capacity	Pcs/Pack
134.303.01	Rack for 100 MCT's of 0.5 ml	4
134.303.02	Rack for 64 MCT's of 1.5 ml	4

Centrifuge Tube Conical Bottom

centrifuge tube with conical bottom are available in two sizes i.e. 15 ml. & 50 ml. Moulded in Polypropylene, these tubes are clear, strong & safe. These autoclavable tubes are provided with printed graduations on the outer surface. The built in seal ring in the cap makes these tubes absolutely leak proof. These tubes can withstand forces up to 7500x G & 12000xG for 15 ml. & 50 ml. tubes respectively. These tubes are available sterilized.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
135.303.01	15 ml	100
135.303.02	50 ml	100
135.303.03	15 ml. Sterile	100
135.303.04	50 ml. Sterile	100

Centrifuge Tube Round Bottom

centrifuge tube with round bottom are moulded in Polypropylene & Polycarbonate These tubes have excellent clarity and are strong enough to be used up to 50,000x G. These tubes can be autoclaved, however, repeated autoclaving in PC tubes reduces their mechanical

Material : Polypropylene / Polycarbonate

Cat. No.	Capacity	Pcs/Pack
136.303.01	16 ml. Tube PP.	50
136.303.02	50 ml. Tube PP.	50
136.303.03	16 ml. Tube PC.	50
136.303.04	50 ml. Tube PC.	50
136.303.05	Cap for 16 ml. Tube	100
136.303.06	Cap for 50 ml. Tube	100

OAK Ridge Centrifuge Tubes

made of Polypropylene, have excellent contact clarity and can be used up to 50,000xG. The screw cap is fitted with silicon O-Ring making it totally leakproof. These tubes should not be used below 4℃.

Material : Polypropylene
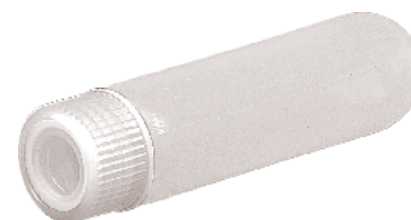
Cat. No.	Capacity	Pcs/Pack
137.303.01	30 ml	12
137.303.02	50 ml	12
137.303.03	100 ml	12

Test Tube with Screw Cap

polypropylene tubes provide excellent option for RIA, Coagulation
& Bacteriology etc. available with screw cap.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
142.303.01	16x 100 mm, Ext, thread	500

Storage Vial

as the name suggests, these vials are commonly used for storage
of biological material, human & animal cells at temperature as low
as -190°C. The Cap is provided with a built in seal ring making the
vial leakproof. The base of the vial has longitudinal grooves
which give it a non-twisting character when placed in a vial rack.

Material : Polyethylene

Cat. No.	Capacity	Pcs/Pack
144.303.01	1.0 ml	500
144.303.02	2.0 ml	500
144.303.03	5.0 ml	500

SV10 - SV5

polypropylene vials add to the existing range of Glassco storage
vials. Available in 5 ml. & 10 ml. capacities, these vials have
polypropylene cap with built in seal ring making it a leak proof
vial. Just like others storage vials these are also used for the
storage of biological material, animal & human cells etc.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
147.303.01	SV - 10 ml	500
147.303.02	SV - 5 ml	500

Scintillation Vial

these unbreakable vials, moulded in Polyethylene, are fitted with leakproof screw caps. These vials can be used with standard counting equipment for liquid scintillation system and are excellent for low activity count.

Material : High Density Polyethylene

Cat. No.	Capacity	Pcs/Pack
148.303.01	8 ml	100
148.303.02	20 ml	100

Rack for Scintillation Vial

moulded in Polypropylene, are autoclavable & corrosion resistant. There is an individual rack for both 8 ml. & 20 ml. vials. These rugged & stable racks can hold scintillation vials for convenient storage, handling & sample preparations.

Material : polypropylene

Cat. No.	Capacity	Pcs/Pack
149.303.01	Rack for 90 vials of 8 ml	2
149.303.02	Rack for 50 vials of 20 ml	2
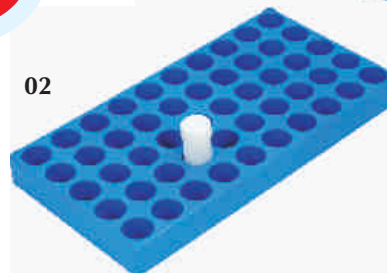
Cryo Vial

are normally used for storage of Biological material, human & animal cells at temperature as low as -190°C. These sterilized tubes are provided with white, prominent graduations and a long marking area for sample identification. The cap of these vials is provided with a seal ring inside to make it completely leakproof. The longitudinal grooves in the base give a non-twisting feature to these vials when placed in a cryo rack.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
151.303.01	1.0 ml	1000
151.303.02	1.8 ml	1000
151.303.03	4.5 ml	500

Cryo Coders

available in different colours can easily fit into the cap of Cryo vials for colour identification of different samples.

Material : Polystyrene

Cat. No.	Type	Pcs/Pack
152.303.01	Cryo Coders	100

Cryo Rack

moulded in Polycarbonate making it tough, durable & auto clavable . This handy rack can hold 50 vials at a time. The unique feature of this rack is that vials can be unscrewed without actually picking them up as the vial will lock in every well and hence will not twist. This rack is provided with four anti skid rubbers & each well is identified with an alpha- numeric index.

Material : Polycarbonate

Cat. No.	Type	Pcs/Pack
153.303.01	50 places for 1, 1.8 and 4.5 ml Cryo vials	2

Cryo Box (PC)

moulded in Polycarbonate making it extra strong and autoclavable. These can accommodate Cryo Vials of up to 4.5 ml. capacity and are designed to be used at temperatures ranging from -190°C to +121°C. The transparent cover of the box gives a good view of the contents inside and is numbered for better inventory control.

Material : Polycarbonate

Cat. No.	Capacity	Pcs/Pack
154.303.01	50 Places for 1 ml. or 1.8 ml. Cryo Vials	4
154.303.02	81 Places for 1 ml. or 1.8 ml. Cryo Vials	4
154.303.03	81 Places for 4.5 ml. Cryo Vials	4
154.303.04	100 Places for 1 ml. or 1.8 ml. Cryo Vials	4
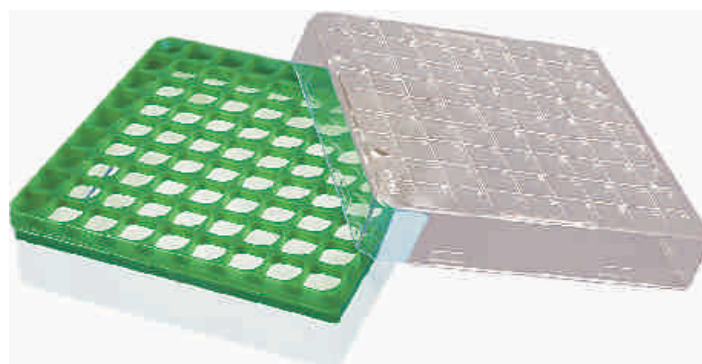
Cryo Box (PP)

moulded in polypropylene, the top of the box is attached to the bottom through well designed built in hinges. The bottom has built- in spaces to hold vials up to 2 ml. capacity. Available in two different sizes, these autoclavable boxes bear alpha numeric index for easy identification of different vials placed inside.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
155.303.01	81 Places for 1 ml. or 1.8 ml. Cryo Vials	4
155.303.02	100 Places for 1 ml. or 1.8 ml. Cryo Vials	4

Round Bottom Graduated

Item Code	Capacity (ml)	Height x O.D. (mm)	Pcs/ Pack
094.202.01	12	16 x 110	100
094.202.02	30	24 x 110	100
094.202.03	40	28 x 110	100
094.202.04	50	30 x 110	100
094.202.05	100	45 x 110	100
094.202.07	200	55 x 116	100

Centrifuge Tube

Test Tube

with **joint & stopper Graduated**

Item Code	Size (mm)	Capacity (ml)	Stopper size	Pcs/ Pack
095.202.01	100 x 12	5	10 / 19	100
095.202.02	125 x 16	10	12 / 21	100
095.202.03	150 x 22	25	19 / 26	100
095.202.04	200 x 25	50	19 / 26	100

Test Tube

with **Interchangeable Stopper** Plain

Item Code	Height x O.D. (mm)	Stopper Size	Pcs/ Pack
096.202.01	100 x 12	10 / 19	100
096.202.02	125 x 15	12 / 21	100
096.202.03	150 x 18	14 / 23	100
096.202.04	150 x 25	19 / 26	100
096.202.05	200 x 25	19 / 26	100
096.202.06	200 x 32	24 / 29	100
096.202.07	200 x 38	24 / 29	100

Manufactured from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS. These tubes come with uniform wall thickness for maximum heat transfer and chemical resistance

EN ISO-4142

Item Code	Approx. O.Dx Height	Thickness	Pcs/Pack
097.202.01	10 x 75	1.0	100
097.202.02	12 x 75	1.0	100
097.202.03	12 x 100	1.0	100
097.202.04	15 x 125	1.2	100
097.203.05	15 X 150	1.2	100
097.202.05	18 x 150	1.2	100
097.203.06	20 X 150	1.2	100
097.202.06	25 x 150	1.2	100
097.202.07	25 x 200	1.2	100

Test Tube Re-usable

Test Tube

Manufactured BORO 6.1 GLASS. These tubes come with uniform wall thickness for maximum heat transfer and chemical resistance, EN ISO-4142

Item Code	Approx. O.Dx Height	Thickness	Pcs/Pack
099.202.01	10 x 75	1.0	100
099.203.02	12 x 75	1.0	100
099.202.02	12 x 100	1.0	100
099.202.03	15 x 125	1.0	100
099.202.04	15 X 150	1.0	100
099.202.05	18 x 150	1.0	100
099.203.06	20 X 150	1.0	100
099.202.06	25 x 150	1.0	100
099.203.07	25 x 200	1.0	100

Made of Polypropylene Autoclavable which is

Item Code	Size for tube	Pcs/Pack
100.202.01	12mm	100
100.202.02	15mm	100
100.202.03	18mm	100
100.202.04	20mm	100
100.202.05	25mm	100

Closure Tube

ASTM

Brush Test Tube
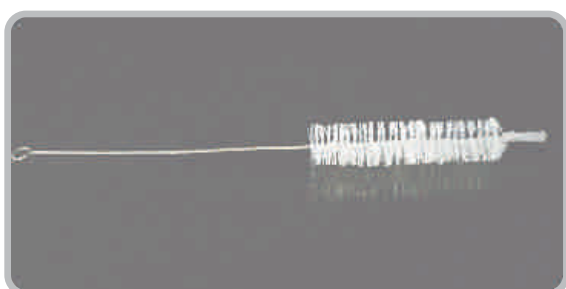
Brush, Test Tube

| Cat. No.	Type	Material	Pcs/Pack
593.303.02	Test Tube Brush	Nylon	50

Test Tube Stand

this autoclavable stand is perhaps the most commonly used Test Tube Stand in various laboratories. For better visibility, this 6 place rack is end supported by 2 columns. The top plate has 2 holes for holding 25 mm dia test tubes, four holes to hold 16 mm dia tubes where as the base has corresponding hemispherical wells. It also has six vertical pins for drying tubes.

Material : Polypropylene

Cat. No.	Size	Pcs/Pack
161.303.01	16 mm. & 25 mm ø Tubes	12
161.303.02	25 mm. Tubes	12

Test Tube Stand

16 mm

25 mm

Test Tube Stand Round
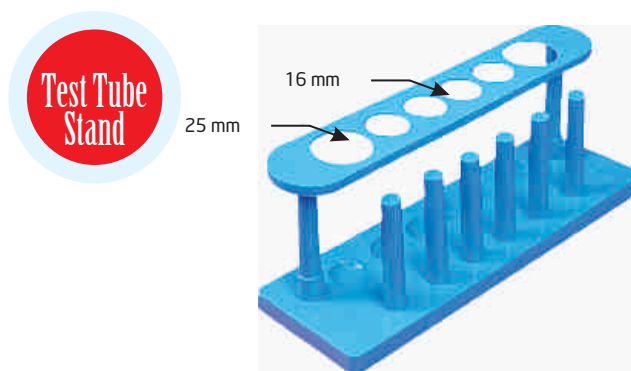
Test Tube Stand (Round)

a handy, little, space saver, this circular twelve place Polypropylene Test Tube Stand has four 25 mm. dia holes & eight 19 mm dia holes in its top plate. The base has matching hemispherical wells & 16 vertical pins for drying tubes surrounded by a trough to catch drippings. This autoclavable rack can be easily disassembled for cleaning purpose.

Material : Polypropylene

Cat. No.	Size	Pcs/Pack
162.303.01	19 mm. & 25 mm. Tubes	2

Test Tube Stand (3 TIER)

these ingenious racks with a 3-tier design provide clear view of the tube contents & convenient insertion & removal of tubes. The PC rack has transparent upper & middle plates where as in PP racks, every part is coloured & opaque. These autoclavable Racks can withstand sub-freezing temperatures.

Material : Polypropylene

Cat. No.	Size/Capacity	Pcs/Pack
163.303.01	13 mm x 31 Tubes	2
163.303.02	16 mm x 31 Tubes	2
163.303.03	20 mm x 20 Tubes	2
163.303.04	25 mm x 12 Tubes	2
163.303.05	25 mm x 18 Tubes	2
163.303.06	32 mm x 12 Tubes	2
163.303.07	25 mm x 36 Tubes	2
163.303.08	13 mm x 18 Tubes	4
163.303.09	15 mm x 18 Tubes	4
163.303.10	18 mm x 12 Tubes	4
163.303.11	13 mm x 62 Tubes	2
163.303.12	16 mm x 62 Tubes	2
163.303.13	20 mm x 40 Tubes	2
163.303.14	13 mm x 48 Tubes	2
163.303.15	13 mm x 72 Tubes	2
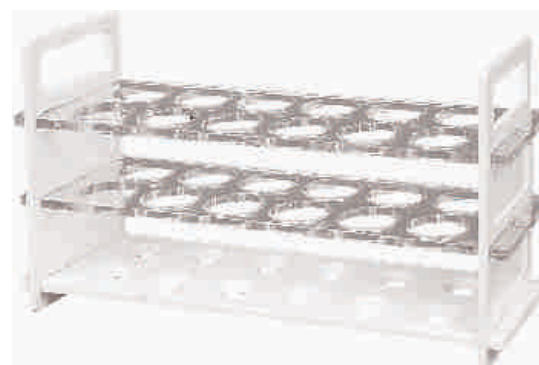
Material : Polycarbonate

| Cat. No.	Size/Capacity	Pcs/Pack
164.303.01	13 mm x 31 Tubes	2
164.303.02	16 mm x 31 Tubes	2
164.303.03	20 mm x 20 Tubes	2
164.303.04	25 mm x 12 Tubes	2
164.303.05	13 mm x 62 Tubes	2
164.303.06	16 mm x 62 Tubes	2
164.303.07	20 mm x 40 Tubes	2
164.303.08	25 mm x 24 Tubes	2
164.303.09	25 mm x 18 Tubes	2
164.303.10	25 mm x 36 Tubes	2
164.303.11	32 mm x 12 Tubes	2

Test Tube Stand 3 Tier

Rack For Micro Centrifuge Tube

moulded in Polycarbonate, this autoclavable rack is made for holding twenty four 1.5 ml. micro centrifuge tubes. This rack has a unique stacking feature which prevents movement in any direction. The holes are numbered & lettered for easy identification.

Material : Polycarbonate

Cat. No.	Quantity	Pcs/Pack
165.303.01	24 Tubes	4
165.303.02	48 Tubes	4
165.303.03	100 Places for 1.5 ml (Folding) Polypropylene	2

Micro Centrifuge Tube Rack

01

03
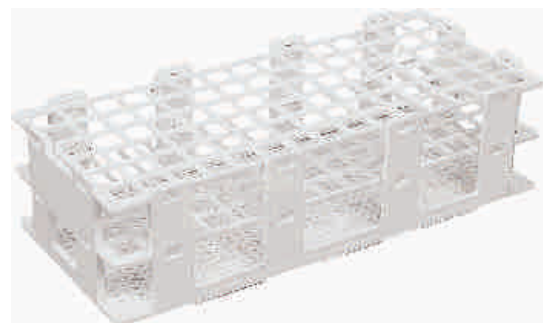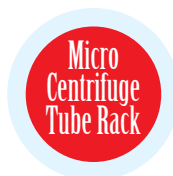
Test Tube Stand (Wire Pattern)

an economical substitute for wire racks, here are these submersible, autoclavable racks which are stackable when empty. These are available in different colours and are made of a special blend of Polypropylene that makes it sink in a water bath and maintain their stability even in agitated water. These space saving racks can easily be disassembled for cleaning purpose. The base is in the form of a grid with square openings and has fold up sides and end bars that lock in to rack tops.

Material : Polypropylene

Test Tube Stand Wire Pattern

Cat. No.	Size/Capacity	Pcs/Pack
166.303.01	13 mm. x 90 Tubes	6
166.303.02	16 mm. x 60 Tubes	6
166.303.03	20 mm. x 40 Tubes	6
166.303.04	25 mm. x 24 Tubes	6
166.303.05	30 mm. x 21 Tubes	6

Test Tube Baskets

are made of Polypropylene. These autoclavable, unbreakable and non- corrosive Baskets are ideal for rinsing & draining glassware. These are also useful for storage of test tubes or culture tubes during sterilization or incubation.

Material : Polypropylene

Test Tube Basket

Cat. No.	Size	Pcs/Pack
167.303.01	140 x 120 x 110 mm	6
167.303.02	160 x 160 x 160 mm	6
167.303.03	400 x 400 x 100 mm	6

Your One Stop for ISO / USP / ASTM Standard Glassware

- All Volumetric Glassware comes in two forms
  Serialized and Un-serialized Glassware.

- Tolerance of ASTM are similar to USP tolerances
  which is more tighter than ISO standards.

- Wide range of Volumetric Flasks from Narrow Mouth to Wide
  Mouth Heavy Wall, these are supplied in three kind of stoppers
  Polyethylene, PTFE and Penny head.

- Measuring Cylinders come in two forms
  (TC) "TO CONTAIN " and (TD) "TO DELIVERY".

- Graduated pipettes comes in two forms
  Mohr and Serological.

- All information printed on the product
  such as Volume, Accuracy, ASTM
  STANDARD in High Quality White
  Ceramic Print.

GLASSCO

A GLASS APART

New

ASTM