



BOROSIL[®] Scientific

Borosil Scientific Limited

enabling the future of science

MANUFACTURERS OF

LABORATORY GLASSWARE | EQUIPMENT | ANALYTICAL VIALS | PROCESS SYSTEMS

PHARMACEUTICAL PRIMARY GLASS PACKAGING



BOROSIL
enabling the future of science

**BOROSIL
CLASSPACK**
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LABQUEST
BOROSIL

BOROSIL
PROCESS SCIENCES

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WHY BOROSIL

1 Laboratory glassware

- Three out of four glassware articles used in laboratories across India are Borosil branded
- Over 6 decades of trust

Certifications

- Certified for ISO 9001:2015 quality management system for Scientific Laboratory Glassware & Laboratory Equipment / Instrument
- NABL ISO/IEC :17025, 2017 accredited laboratory
- Represents India on ISO/TC 48 – Technical committee for laboratory glassware and apparatus

Quality and Compliance

- Advanced computer controlled machines for calibration
- Laser sensing of meniscus and real-time image of meniscus provided on calibration certificate
- Compliance to international standards ISO/DIN/ASTM for dimensions and tolerances

Infrastructure

- State-of-the-art blowing facility having 700+ skilled blowers
- Equipped with automated blank manufacturing machines
- Annealing process by unique Lehr technology
- Advanced laser machines for laser marking of LIMS compatible QR code and UID code

Unmatched Service Levels

- Network of 150 Channel Partners PAN India
- 4 warehouses across the country
- 96% of the time same day delivery
- Team of 80+ sales ambassadors PAN India
- Customer-centric approach

Certifications

Certified for ISO 9001: 2015 Quality Management System, DIN EN ISO 14001: 2015 Environmental Management System and DIN ISO 45001: 2018 Occupational Health & Safety Management System for Scientific Laboratory Glassware & Laboratory Equipment



ISO/TC 48



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

Beakers

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

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

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

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

BOROSIL Scientific offers full range of beakers to suit every applications.



Made from 3.3 Low Expansion Borosilicate Glass

USP
TYPE I

TYPE I

ASTM
E438

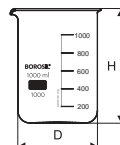
CLASS A

ISO
3585

1000 - LOW FORM BEAKER

With Spout

- Complies with IS 2619 /ISO 3819 and DIN 12331
- The spout design enables clean and precise pouring
- Graduated to indicate the approximate content
- Uniform wall thickness distribution improves mechanical & thermal properties & makes it ideal for heating liquids
- The easy-to-read scale and large labelling field makes marking easier
- High resistance to chemical attack



- Beakers
- Bottles
- Burettes
- Cones

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

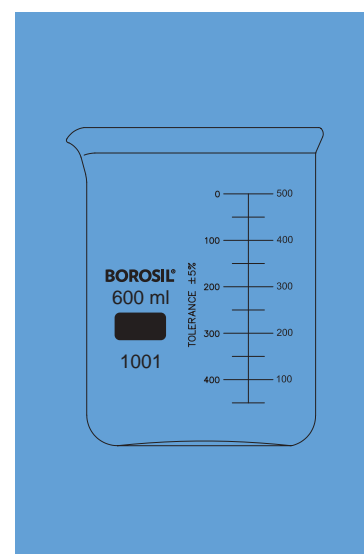
* 5 ml and 10 ml Beakers are not graduated.

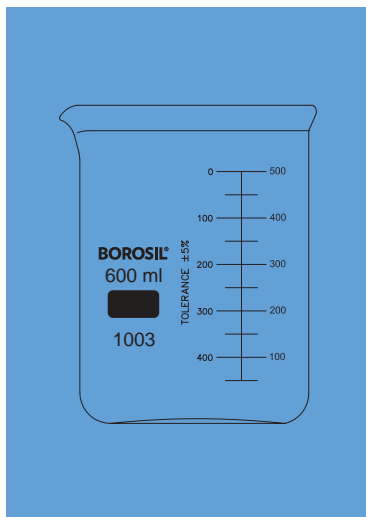
1001 - BEAKERS, ASTM

Low form Beakers with spout

- Manufactured from 33 expansion borosilicate glass conforming to ASTM E438
- Type I, class A, Complies to ASTM E 960, Type I
- The spout design enables clean and precise pouring
- Uniform wall thickness distribution makes it easier for heating liquid
- Large labelling field for easy marking
- Printed in Double Scale for Easy reading
- High Resistance to Chemical attack

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1001006	10	25 x 35	48
1001008	20	32 x 42	48
1001010	30	35 x 50	48
1001D12	50	42 x 60	48
1001D16	100	50 x 70	48
1001D18	150	56 x 85	48
1001D21	250	70 x 95	48
1001D23	400	77 x 110	48
1001D25	600	90 x 125	36
1001D28	800	100 x 135	24
1001D29	1000	105 x 145	24
1001D30	2000	130 x 185	8



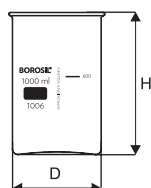


1003 - BEAKERS, ASTM

Heavy Duty Low Form Beaker with Spout as per ASTM

- Manufactured from 33 expansion borosilicate glass conforming to ASTM E438 Type I, class A, Complies to ASTM E 960, Type II
- The spout design enables clean and precise pouring
- Uniform wall thickness with reinforced rim and spout
- Large labelling field for easy marking
- Printed in Double Scale for Easy reading
- High Resistance to Chemical attack
- Not recommended for use for heating

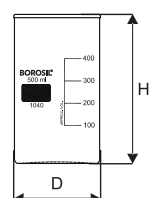
Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1003018	150	56 x 85	48
1003021	250	68 x 95	48
1003023	400	77 x 115	48
1003025	600	90 x 130	36
1003029	1000	105 x 155	24



1006 - BEAKERS Tablet Disintegration

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

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1006029	1000	105 x 145	10



1040 - TALL FORM BEAKER Without Spout

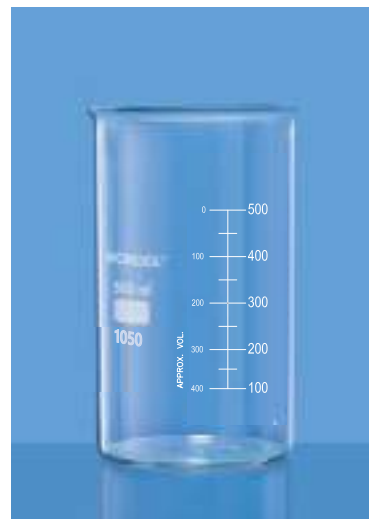
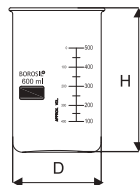
- Complies with IS 2619 / ISO 3819 and DIN 12331
- Graduated to indicate the approximate content
- Uniform wall thickness distribution improves mechanical & thermal properties & makes it ideal for heating liquids
- The easy-to-read scale and large labelling field makes marking easier
- High resistance to chemical attack
- Ideal for titrations

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1040012	50	38 x 70	40
1040016	100	50 x 80	40
1040018	150	54 x 95	40
1040021	250	60 x 120	40
1040024	500	80 x 140	20
1040025	600	80 x 150	20
1040028	800	90 x 175	20
1040029	1000	95 x 180	20

1050 - BEAKERS, ASTM

Tall form beaker Without Spout

- Manufactured from 33 expansion borosilicate glass conforming to ASTM E438 Type I, class A Complies to ASTM E 960, Type IV
- The spout design enables clean and precise pouring
- Uniform wall thickness distribution makes it easier for heating liquid
- Large labelling field for easy marking
- Printed in Double Scale for Easy reading
- High Resistance to Chemical attack

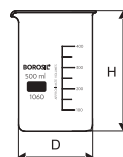


Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1050016	100	48 x 80	12
1050020	200	56 x 105	12
1050022	300	65 x 120	12
1050023	400	70 x 130	6
1050024	500	77 x 140	6
1050025	600	80 x 155	6
1050029	1000	90 x 190	6

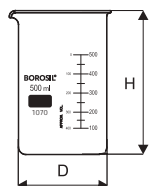
1060 - TALL FORM BEAKER

With Spout

- Complies with IS 2619 / EN ISO 3819 and DIN 12331
- Graduated to indicate the approximate content
- The spout design enables clean and precise pouring
- Uniform wall thickness distribution improves mechanical & thermal properties & makes it ideal for heating liquids
- The easy-to-read scale and large labelling field makes marking easier
- High resistance to chemical attack
- Ideal for titrations



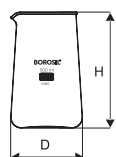
Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1060012	50	38 x 70	40
1060D16	100	50 x 80	40
1060018	150	54 x 95	40
1060D21	250	60 x 120	40
1060D24	500	80 x 140	20
1060025	600	80 x 150	20
1060028	800	90 x 175	20
1060D29	1000	95 x 180	20



1070 - BEAKERS, ASTM Tall form beaker With Spout as per ASTM

- Manufactured from 33 expansion borosilicate glass conforming to ASTM E438 Type I, class A Complies to ASTM E 960, Type II
- The spout design enables clean and precise pouring
- Uniform wall thickness with reinforced rim and spout
- Large labelling field for easy marking
- Printed in Double Scale for Easy reading
- High Resistance to Chemical attack
- Not recommended for use for heating

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1070016	100	48 x 80	12
1070020	200	56 x 105	12
1070022	300	65 x 120	12
1070023	400	70 x 130	6
1070024	500	77 x 140	6
1070025	600	80 x 155	6
1070029	1000	90 x 190	6



1080 - PHILLIP (CONICAL) BEAKER With Spout

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

Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
1080021	250	68 x 110	40
1080024	500	88 x 145	40

BOROSIL[®] Scientific
Tongs For Beakers & Flasks

- Made of stainless steel
- Used to handle hot beakers
- Provided with silicon sleeves or in fibre glass yarn to resist direct flame



For more details please refer page no. 227

Reagent Bottles



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

For AMBER Bottles, ambering is done on the external surface only, hence properties within the bottle remain unchanged. It protects the media from light radiations of wavelengths between 300nm and 500 nm.

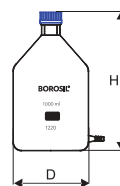
Made from 3.3 Low Expansion Borosilicate Glass



1220 - ASPIRATOR BOTTLES

With Tubulation and PP Cap

- Complies with IS 1388 (Part III), ISO 4796-3
- Supplied with GL45 screw caps and pouring ring made of polypropylene, autoclavable at 121°C
- All sizes have a durable matt-finished enamelled area for marking
- Suitable for storage of aggressive media



Product Code	Capacity ml	Approx O.D. x Height* mm	Thread Specification	Quantity Per Case
1220021	250**	70 x 140	GL 45	10
1220024	500**	86 x 176	GL 45	10
1220029	1000	101 x 225	GL 45	10
1220030	2000	136 x 260	GL 45	5
1220033	5000	181 x 320	GL 45	1
1220038	10000***	235 x 405	GL 45	1
1220040	20000***	296 x 505	GL 45	1

**Not covered in ISO / DIN standards.

*Height indicated is of Bottle only

***As per Borosil dimension

1240 - ASPIRATOR BOTTLES

With Socket Outlet For Stopcock and PP Cap

- Complies with IS 1388 (Part III), ISO 4796-3
- Supplied with GL45 screw caps and pouring ring made of polypropylene, autoclavable at 121°C
- All sizes have a durable matt-finished enamelled area for marking
- Suitable for storage of aggressive media



Product Code	Capacity ml	Approx O.D. x Height* mm	Thread Specification	Outlet Ground Joint Size	Quantity Per Case
1240029	1000	101 x 225	GL 45	19 / 26	10
1240030	2000	136 x 260	GL 45	19 / 26	5
1240033	5000	181 x 330	GL 45	29 / 32	1
1240038	10000***	235 x 410	GL 45	29 / 32	1
1240040	20000***	296 x 505	GL 45	29 / 32	1

*Height indicated is of Bottle only

***As per Borosil dimension

Glass stopcock available on request



1245 - ASPIRATOR BOTTLES With I/C Glass Stopcock and PP Cap

- Complies with IS 1388 (Part III), ISO 4796-3
- Supplied with GL45 screw caps and pouring ring made of polypropylene, autoclavable at 121°C
- All sizes have a durable matt-finished enamelled area for marking
- Suitable for storage of aggressive media

Product Code	Capacity ml	Approx O.D. x Height* mm	Thread Specification	Outlet Ground Joint Size	Quantity Per Case
1245029	1000	101 x 225	GL 45	19 / 26	10
1245030	2000	136 x 260	GL 45	19 / 26	4
1245033	5000	181 x 330	GL 45	29 / 32	1
1245038	10000***	235 x 410	GL 45	29 / 32	1
1245040	20000***	296 x 505	GL 45	29 / 32	1

*Height indicated is of Bottle only

***As per Borosil dimension

Spare glass stopcock available on request



1250 - B.O.D. BOTTLES

- Complies with IS 9213
- Supplied with Interchangeable glass stopper and plastic cap
- Individual number printed on the bottle
- Used for determination of Biological Oxygen Demand in industrial effluents, waste and water

Product Code	Capacity ml	Approx O. D. x Height* mm	Quantity Per Case
1250013	60**	42 x 100	10
1250017	125**	55 x 120	10
1250A22	300	70 x 143	30

*Height indicated is of Bottle only

**60 & 125 ml are not covered in standards

300 ml is for determination of B.O.D. in Industrial effluents, wastes and water as per method specified by the American Public Health Association



1290 - ROUX BOTTLES WITH OFF SET NECK

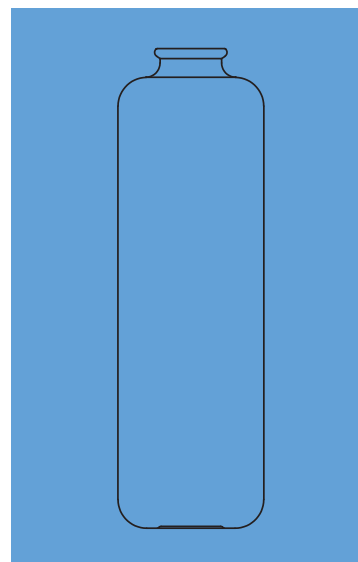
- Complies with IS 6942
- The off-set neck is tool-finished for greater strength and uniform stopper fit
- Withstands repeated sterilisation cycles (wet or dry)
- These bottles facilitate the growing of mass cultures and monolayer cultures

Product Code	Capacity ml	Approx B x W x H mm	Approx Neck I. D. mm	Quantity Per Case
1290029	1000	126 x 56 x 265	25	20

1296 - POVITSKY BOTTLES

Designed for the preparation of toxins and general tissue culture work

- Rectangular cross section with an offset neck
- Manufactured by 3.3 expansion low borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

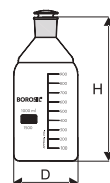


Product Code	Capacity ml	Approx B x W x H mm	Approx Neck I. D. mm	Quantity Per Case
1296033	5000	152 x 118 x 505	43	1

1500 - REAGENT BOTTLES

Narrow Mouth With I/C Glass Stopper

- Complies with IS 1388 (Part II), ISO 4796 - 2
- Supplied with solid glass stopper
- Printed with graduations using a durable white enamel
- Bottles are mechanically strong and chemical resistant with a sturdy ground neck



Product Code	Capacity ml	Approx O.D. x Height* mm	Neck Stopper Size	Quantity Per Case
1500013	60**	45 x 90	14 / 23	40
1500016	100	56 x 100	19 / 26	10
1500017	125**	56 x 120	19 / 26	50
1500021	250	70 x 138	19 / 26	10
1500024	500	86 x 177	24 / 29	10
1500029	1000	101 x 225	29 / 32	5
1500030	2000	136 x 260	34 / 35	5

*Height indicated is of Bottle only

**60 & 125 ml is not covered in standards

Still stuck with
the old method
for transferring HPLC solvents ?



BOROSIL
Scientific

india

is right here with a solution

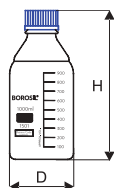
Multi-Port HPLC Cap

with Anti-twist mechanism

A smart solution for transfer of
HPLC mobile phase solvents



Product Code	No of Ports	Neck	Quantity per Pack
1513C04	4	GL45	4 Nos.
1513C02	2	GL45	4 Nos.
1513C01	1	GL45	4 Nos.



1501 - REAGENT BOTTLES

Narrow Mouth With Screw Cap

- Complies with IS 1388 (Part I), ISO 4796 - 1
- Supplied with screw caps and pouring ring made of polypropylene, autoclavable at 121°C
- Printed with graduations and retrace code using a durable white enamel
- 100 ml to 20000 ml Bottles have uniform GL 45 thread
- Mechanically strong and chemical resistant
- Ideal for storage of chemicals, reagents, media

Product Code	Capacity ml	Approx O.D. x Height* mm	Thread Specification	Quantity Per Case
1501006	10**#	36 x 50	GL 25	10
1501009	25#	36 x 70	GL 25	20
1501012	50	46 x 87	GL 32	20
1501016	100	56 x 100	GL 45	10
1501018	150**#	60 x 120	GL 45	10
1501021	250	70 x 138	GL 45	10
1501024	500	86 x 177	GL 45	10
1501029	1000	101 x 225	GL 45	10
1501030	2000	136 x 260	GL 45	10
1501031	3000**	158 x 295	GL 45	2
1501033	5000***	181 x 320	GL 45	1
1501038	10000***	235 x 405	GL 45	1
1501040	20000***	296 x 505	GL 45	1

- *Height indicated is of Bottle only

- #Without Pouring Ring

- **Not covered in any standard

- ***As per Borosil Dimension



1503 - SCREW CAPS FOR BOTTLES

- Made of polypropylene (PP)
- Supplied with PP pouring rings
- Autoclavable at 121°C
- Available in 5 different colours

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

HSN Code: 39235010

1504 - POURING RING

Blue Colour

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



Product Code	Colour Specification	Thread Specification GL	Quantity Per Case
1504R01	Blue	GL- 45	10

1505 - HIGH TEMPERATURE RESISTANT SCREW CAPS



- Made of Polybutylene Teraphthalate (PBT)
- Supplied with a silicone/PTFE liner and pouring ring
- Temperature resistance: - 40°C to +200°C
- Withstand sterilization conditions: hot air sterilization in oven upto 200°C and steam sterilization in autoclave at 121°C



Product Code	Colour Specification	Thread Specification	Quantity Per Case
1505C01	Red	GL - 45	10

HSN Code: 39235010

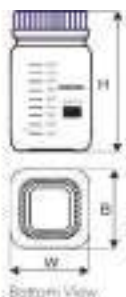
1513 - MULTI-PORT HPLC CAP For HPLC Solvent Transfer



- Polypropylene Cap Suitable for all types of GL 45 bottles and
- Autoclavable at 121°C
- PP fittings for different tubing ODs Supplied with three connectors
- Anti-twist mechanism Freely rotatable
- Unique air valve cum filter



Product Code	No of Ports	Neck	Quantity Per Case
1513C04	4	GL 45	4
1513C02	2	GL 45	4
1513C01	1	GL 45	4



1506 - REAGENT BOTTLES Wide Mouth With Screw Cap, Square

- Supplied with GL80 screw caps and pouring ring made of polypropylene, autoclavable at 121°C
- Square shape enables stacking of bottles during usage, storage and transport
- Extra wide GL-80 neck gives ease of pouring & filling of liquids as well as powders
- Large stable base helps prevent tumbling of the bottle
- Ideal for storage and transfer of pharma and biopharma products

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

*Height indicated is of bottle only



1507 - REAGENT BOTTLES Wide Mouth with Screw Cap, Square, Amber



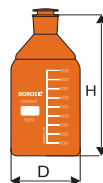
Product Code	Capacity ml	Approx B x W x H mm	Thread Specification Approx O.D. mm	Quantity Per Case
1507024	500	94 x 94 x 141	GL-80	10
1507029	1000	105 x 105 x 187	GL-80	10
1507030	2000	115 x 115 x 260	GL-80	10
1507033	5000	160 x 160 x 357	GL-80	1

*Height indicated is of bottle only

1509 - REAGENT BOTTLES

Narrow Mouth With I/C Glass Stopper, Amber

- Complies with IS 1388 (Part II), ISO 4796 - 2
- Supplied with solid glass stopper
- Printed with graduations using a durable white enamel
- Bottles are mechanically strong and chemical resistant with a sturdy ground neck
- Uniform amber colour protects media from light radiation with a wave-length between 300 nm and 500 nm
- Ideal for use with light-sensitive media and for the long-term storage of substances



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

*Height indicated is of Bottle only

**60 & 125 ml is not covered in standards

1519 - REAGENT BOTTLES

Narrow Mouth With Screw Cap, Amber

- Complies with IS 1388 (Part I), ISO 4796 - 1
- Supplied with screw caps and pouring ring made of polypropylene, autoclavable at 121°C
- Printed with graduations and retrace code using a durable white enamel
- 100 ml to 20000 ml Bottles have uniform GL 45 thread
- Mechanically strong and chemical resistant
- Uniform amber colour protects media from light radiation with a wave-length between 300 nm and 500 nm
- Ideal for use with light-sensitive media and for the long-term storage of substances



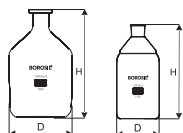
Product Code	Capacity ml	Approx O.D. x Height* mm	Thread Specification	Quantity Per Case
1519006	10**#	36 x 50	GL 25	10
1519009	25#	36 x 70	GL 25	20
1519012	50#	46 x 87	GL 32	20
1519016	100	56 x 100	GL 45	10
1519021	250	70 x 138	GL 45	10
1519024	500	86 x 177	GL 45	10
1519029	1000	101 x 225	GL 45	10
1519030	2000	136 x 260	GL 45	10
1519031	3000**	158 x 295	GL 45	2
1519033	5000***	183 x 320	GL 45	1
1519038	10000***	235 x 405	GL 45	1
1519040	20000***	296 x 500	GL 45	1

- *Height indicated is of Bottle only

#Without Pouring rings

**Not covered in any standard

***As per BOROSIL dimensions

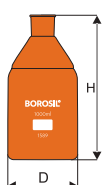


1585 - SOLUTION BOTTLES With Tooled Neck

- Complies with IS 1388 (Part II), ISO 4796 - 2
- 10, 20 & 50 litre bottles specially designed for handling and storing culture media
- All sizes have a durable matt-finished enamelled area for marking

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck I. D. mm	Quantity Per Case
1585021	250	70 x 145	18	20
1585024	500	86 x 180	23	20
1585029	1000	101 x 230	28	10
1585030	2000	136 x 255	33	10
1585031	3000	158 x 255	44	4
1585033	5000	183 x 330	44	1
1585038	10000*	235 x 430	54	1
1585040	20000*	296 x 530	54	1
1585046	50000	417 x 665	89	1

*As per Borosil dimensions

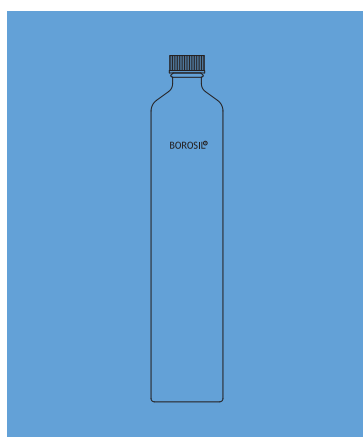


1589 - SOLUTION BOTTLES With Tooled Neck, Amber

- Complies with IS 1388 (Part II), ISO 4796 - 2
- 10, 20 & 50 litre bottles specially designed for handling and storing culture media
- All sizes have a durable matt-finished enamelled area for marking
- Uniform amber colour protects media from light radiation with a wave-length between 300 nm and 500 nm
- Ideal for use with light-sensitive media and for the long-term storage of substances

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck I. D. mm	Quantity Per Case
1589021	250	70 x 145	18	10
1589024	500	86 x 180	23	20
1589029	1000	101 x 230	28	5
1589030	2000	136 x 255	33	5
1589031	3000	158 x 255	44	4
1589033	5000	183 x 330	44	1
1589038	10000*	235 x 430	54	1
1589040	20000*	296 x 530	54	1

*As per Borosil dimensions

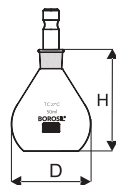


1600 - ROLLER BOTTLE Screw Cap GL 45 with Pouring Ring

Product Code	Capacity	Approx O.D. x Height mm	Quantity Per Case
1600030	2000 ml	110 x 285	10

1624 - RELATIVE DENSITY BOTTLES (Pyknometer) With I/C PTFE Stopper With Certificate

- Supplied with I/C PTFE (Teflon) stopper
- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking
- Provided with certificate

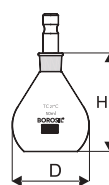


Product Code	Capacity ml	Capacity Tolerance \pm ml	Max. Body Dia x Height mm	Size of Inter-Changeable Stopper	Quantity Per Case
1624006	10	0.3	29 x 48	10 / 15	5
1624009	25	0.8	40 x 55	10 / 15	5
1624012	50	1	50 x 65	10 / 15	5



1625 - RELATIVE DENSITY BOTTLES (Pyknometer) With I/C PTFE Stopper

- Supplied with I/C PTFE (Teflon) stopper
- Complies with IS 5717, DIN / ISO 3507
- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking



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



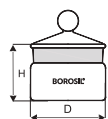
1627 - SPECIFIC GRAVITY BOTTLES (PYKNOMETER) With Thermometer And Capillary Side Tube

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



Product Code	Capacity ml	Tolerance \pm ml	Max. Body Dia x Height mm	Size of I/C Stopper	Quantity Per Case
1627006	10	1	29 x 48	10 / 19	5
1627009	25	2	40 x 55	10 / 19	5
1627012	50	3	50 x 65	10 / 19	5





Squat Form



Tall Form

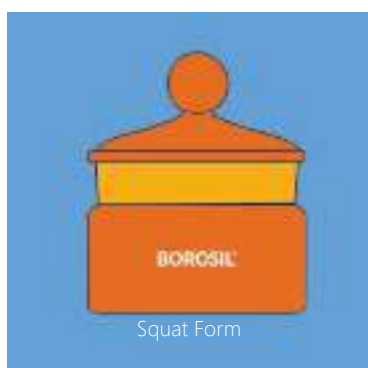
1630 - WEIGHING BOTTLES With I/C Glass Lid

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

Product Code	Capacity ml	Approx O.D. x Height* mm	Quantity Per Case
1630005	5	20 x 45	30
1630007	15	26 x 65	10
1630008	20**	50 x 35	10
1630009	25	30 x 65	10
1630011	40**	60 x 40	10
1630013	60	40 x 90	5

*Height indicated is of Bottle only

**Squat Form



Squat Form



Tall Form

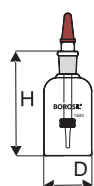
1631 - WEIGHING BOTTLES With I/C Glass Lid, Amber

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

Product Code	Capacity ml	Approx O.D. x Height* mm	Quantity Per Case
1631005	5	20 x 45	30
1631007	15	26 x 65	10
1631008	20**	50 x 35	10
1631009	25	30 x 65	10
1631011	40**	60 x 40	10
1631013	60	40 x 90	5

*Height indicated is of Bottle only

**Squat Form



1640 - DROPPING BOTTLES With Glass Dropper & Rubber Teat

- Supplied with interchangeable ground joint glass dropper and rubber teat
- Highly chemical resistance

Product Code	Capacity ml	Approx O.D. x Height mm	Socket Size	Quantity Per Case
1640010	30	34 x 86	14 / 23	10
1640013	60	42 x 100	14 / 23	10
1640017	125	55 x 120	19 / 26	10
1640021	250	65 x 147	19 / 26	10

1650 - DROPPING BOTTLES

With Glass Dropper & Rubber Teat, Amber

- Supplied with interchangeable ground joint glass dropper and rubber teat
- Highly chemical resistance
- Suitable for light sensitive substance.



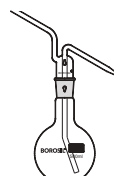
Product Code	Capacity ml	Approx O.D. x Height mm	Socket Size	Quantity Per Case
1650010	30	35 x 84	14 / 23	10
1650013	60	42 x 100	14 / 23	10
1650017	125	55 x 120	19 / 26	10
1650021	250	65 x 147	19 / 26	10



1660 - GLASS WASH BOTTLE

Set With I/C Stopper

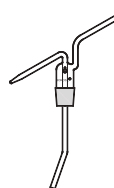
- These bottles are mechanically strong and chemical resistant
- All sizes have a durable matt-finished enamelled area for marking



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

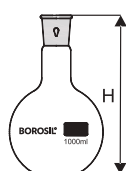


1661 - STOPPER FOR GLASS WASH BOTTLE



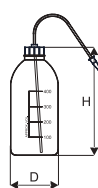
Product Code	Capacity ml	Size of Inter-changeable Stopper	Quantity Per Case
1661021	250	24 / 29	5
1661024	500	24 / 29	5
1661029	1000	29 / 32	5





1662 - FLASK FOR GLASS WASH BOTTLE

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



166P - LDPE PLASTIC WASH BOTTLES Squeeze Type

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

Product Code	Capacity ml	Approx Diameter mm	Bottle Height mm	Quantity Per Case
166024	500	75	167	36



1665 - PLASTIC CLAMPS FOR JOINT FITTINGS

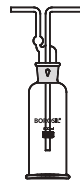
- Made of polypropylene for joint fittings

Product Code	Joint mm	Quantity Per Case
1665B14	B 14	10
1665B19	B 19	10
1665B24	B 24	10
1665B29	B 29	10

1760 - GAS WASHING (DRESCHEL) BOTTLES

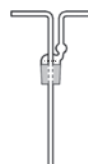
Set With I/C Stopper

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



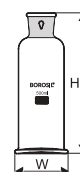
Product Code	Capacity ml	Approx O.D x Height (bottle) mm	Size of Inter-changeable Stopper	Quantity Per Case Set
1760017	125	50 x 165	29 / 32	5
1760021	250	60 x 190	29 / 32	5
1760024	500	70 x 245	29 / 32	5

1761 - STOPPER FOR GAS WASHING (DRESCHEL) BOTTLES



Product Code	Capacity ml	Quantity Per Case
1761017	125	5
1761021	250	5
1761024	500	5

1762 - BOTTLES FOR GAS WASHING (DRESCHEL) BOTTLES



Product Code	Capacity ml	Approx O.D x Height mm	Quantity Per Case
1762017	125	50 x 165	5
1762021	250	60 x 190	5
1762024	500	70 x 245	5

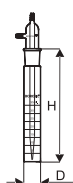


1764 - GAS SAMPLING TUBES With Glass Stopcocks

- Complies with DIN 12473

Product Code	Capacity ml	Quantity Per Case
1764017	125*	10
1764021	250*	10
1764024	500	10
1764029	1000	10

* Not covered in standards



1765 - IMPINGER

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

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

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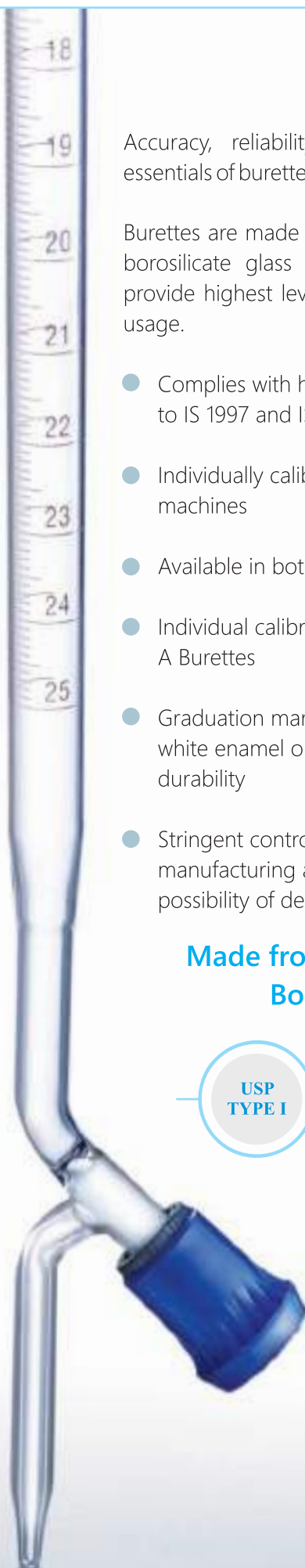
Pharmaceutical Packaging Bottles

*Available in capacities from
1 Litre to 50 Litres*

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for Extractables

enabling the future of science

Burettes



Accuracy, reliability and durability are the three essentials of burettes offered by **BOROSIL Scientific**

Burettes are made from heavy walled, machine drawn borosilicate glass tubing, of precise bore sizes, to provide highest level of accuracy even after repeated usage.

- Complies with highest quality standards according to IS 1997 and ISO 385
- Individually calibrated on automatic calibration machines
- Available in both Class A and Class B tolerances
- Individual calibration certificate provided for Class A Burettes
- Graduation markings made using finest quality white enamel or amber ink to ensure maximum durability
- Stringent control throughout the process of manufacturing and quality checks minimizes the possibility of deviations

Made from 3.3 Low Expansion Borosilicate Glass





2121 - BURETTES

With Boroflo stopcock, Class A, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with Boroflo stopcock
- No lubrication required
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Generally used in titration process

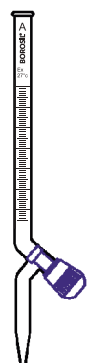
Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified				
2121006A	2121006D	10	0.05	0.03	5
2121009A	2121009D	25	0.10	0.05	5
2121012A	2121012D	50	0.10	0.05	5
2121016A	2121016D	100	0.20	0.10	5

2121 - BURETTES BOROFLO ASTM

Burettes, Boroflo, Accuracy as per Class A of ASTM E287, with certificate

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

Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified				
2121U06A*	2121U06D*	10	0.05	0.02	5
2121U09A*	2121U09D*	25	0.10	0.03	5



2122 - BURETTES

With Boroflo stopcock, Class B

- Complies with IS 1997 / ISO 385, Accuracy as per class B
- Supplied with Boroflo stopcock
- No lubrication required
- Calibrated at 20°C
- Generally used in titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
2122006D	10	0.05	0.05	10
2122009D	25	0.10	0.10	10
2122012D	50	0.10	0.10	10
2122016D	100	0.20	0.20	10

2123 - BURETTES

With Glass stopcock, Class A, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Designed with straight bore stopcock that increases the life, compared to Boroflo stopcocks
- The glass stopcock enhances control and enables smoother action
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Generally used in Titration process

Product Code		Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
Batch Certified	Individually Certified				
2123005A	2123005D	5	0.02	0.01	5
2123006A	2123006D	10	0.05	0.03	5
2123009A	2123009D	25	0.1	0.05	5
2123012A	2123012D	50	0.1	0.05	5
2123016A	2123016D	100	0.2	0.1	5

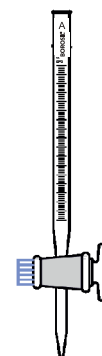


2124 - BURETTES

With Glass stopcock, Class B

- Complies with IS 1997 / ISO 385, Accuracy as per class B
- Designed with straight bore stopcock that increases the life, compared to Boroflo stopcocks
- The glass stopcock enhances control and enables smoother action
- Calibrated at 20°C
- Generally used in Titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2124005D	5	0.02	0.02	5
2124006D	10	0.05	0.05	10
2124009D	25	0.10	0.10	10
2124012D	50	0.10	0.10	5
2124016D	100	0.20	0.20	5





2129 - BURETTES

With PTFE stopcock, Class A, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with PTFE stopcock that is highly resistant to chemical attack
- No lubrication required
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Generally used in Titration process

Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified				
2129006A	2129006D	10	0.05	0.03	5
2129009A	2129009D	25	0.1	0.05	5
2129012A	2129012D	50	0.1	0.05	5
2129016A	2129016D	100	0.2	0.1	5

Burettes of other capacities are on request

2129U - BURETTES, ASTM

Burettes ASTM, Straight Bore Stopcock, PTFE Key STOPCOCK, Accuracy as per Class A of ASTM E287, with certificate

Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified				
2129U06A	2129U06D	10	0.05	0.02	5
2129U09A	2129U09D	25	0.10	0.03	5

2130 - BURETTES

With PTFE stopcock, Class B

- Complies with IS 1997 / ISO 385, Accuracy as per class B
- Supplied with PTFE stopcock that is highly resistant to chemical attack
- No lubrication required
- Calibrated at 20°C
- Generally used in Titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
2130006D	10	0.05	0.05	5
2130009D	25	0.10	0.05	5
2130012D	50	0.10	0.1	5
2130016D	100	0.20	0.20	5



NABL
CERTIFIED

2003 - Burettes, Straight Bore Stopcock, PTFE key stopcock Accuracy as per class A, ISO 385, with Certificate, NABL Certified

- Complies with IS 1997 EN ISO 385

Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
2003006	10	0.1	0.05	5
2003009	25	0.1	0.05	5
2003012	50	0.1	0.05	5
2003016	100	0.1	0.05	5

* NABL certified product for **AMBER** Burette can be provided on request.

2131 - BURETTES

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

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with Boroflo stopcock
- No lubrication required
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Generally used in titration process

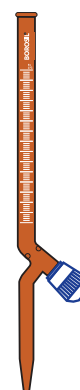
Product Code		Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
Batch Certified	Individually Certified				
2131009A	2131009D	25	0.1	0.05	5
2131012A	2131012D	50	0.1	0.05	5

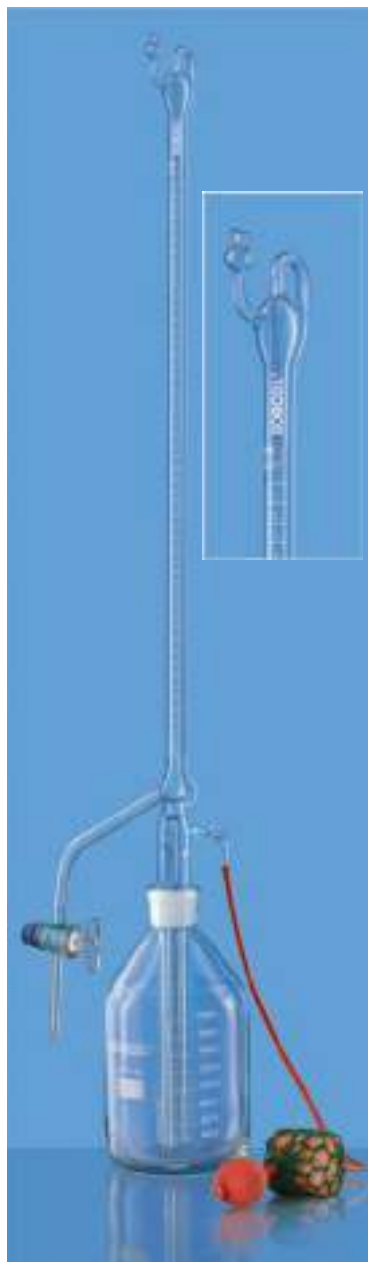
2132 - BURETTES

With Boroflo stopcock, Class B, Amber

- Complies with IS 1997 / ISO 385, Accuracy as per class B
- Supplied with Boroflo stopcock
- No lubrication required
- Calibrated at 27°C
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Generally used in titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2132009	25	0.10	0.10	10
2132012	50	0.10	0.10	5





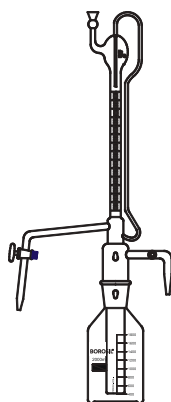
2149 - AUTOBURETTES

With Glass stopcock, Class A, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with Reservoir and Rubber Bellow
- With automatic zero facility
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Generally used in Titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2149006D	10	0.05	0.03	1
2149009D	25	0.10	0.05	1
2149012D	50	0.10	0.05	1
2149016D	100	0.20	0.10	1

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



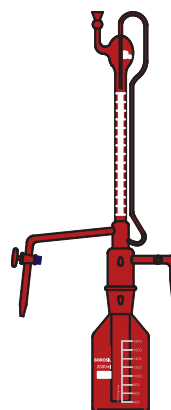
2149A - AUTOBURETTES

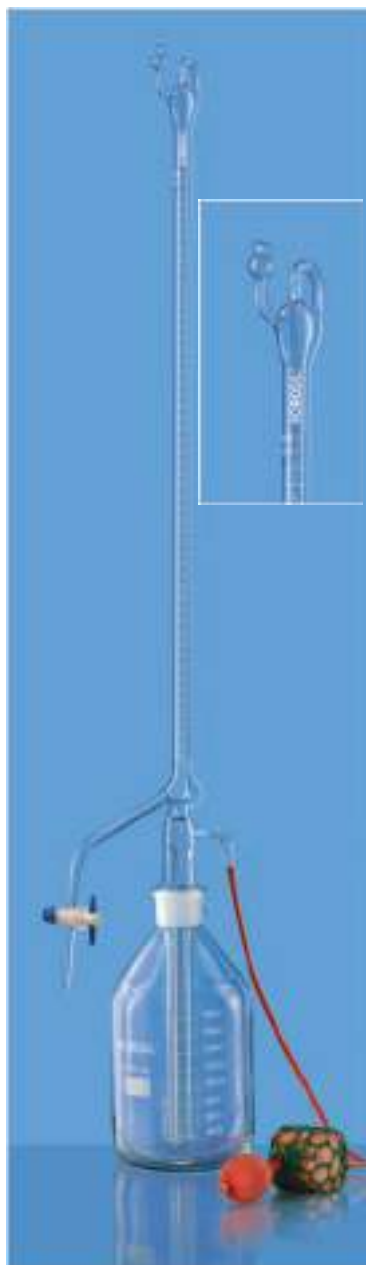
With Glass stopcock, Class A, Amber, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with Reservoir and Rubber Bellow
- With automatic zero facility
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Generally used in Titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2149A06D	10	0.05	0.03	1
2149A09D	25	0.10	0.05	1
2149A12D	50	0.10	0.05	1
2149A16D	100	0.20	0.10	1

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





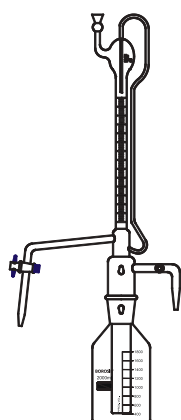
2153 - AUTOBURETTES

With PTFE Stopcock, Class A, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with PTFE stopcock that is highly resistant to chemical attack
- Supplied with Reservoir and Rubber Bellow
- With automatic zero facility
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Generally used in titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2153006D	10	0.05	0.03	1
2153009D	25	0.10	0.05	1
2153012D	50	0.10	0.05	1
2153016D	100	0.20	0.10	1

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



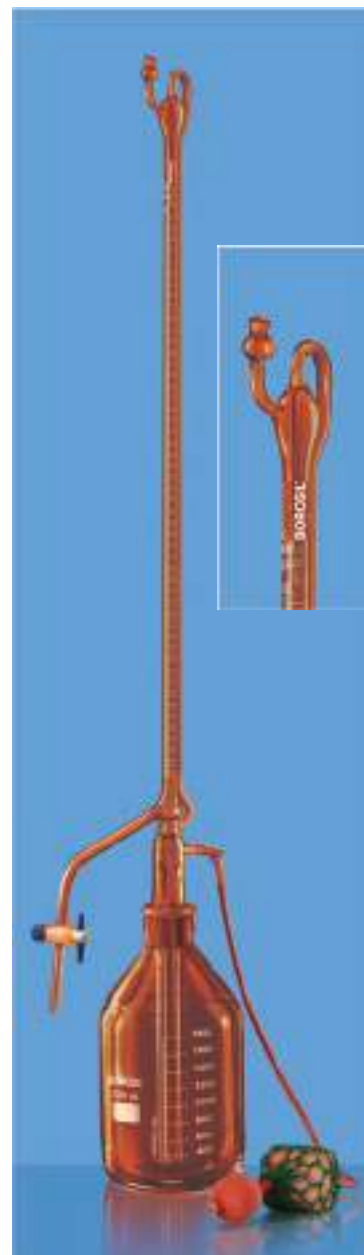
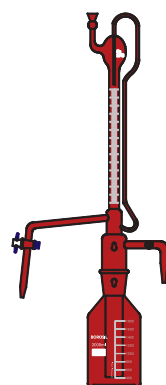
2153A - AUTOBURETTES

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

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with PTFE stopcock that is highly resistant to chemical attack
- Supplied with Reservoir and Rubber Bellow
- With automatic zero facility
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Generally used in titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2153A06D	10	0.05	0.03	1
2153A09D	25	0.10	0.05	1
2153A12D	50	0.10	0.05	1
2153A16D	100	0.20	0.10	1

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





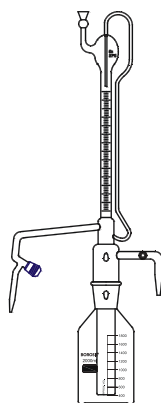
2155 - AUTOBURETTES

With Boroflo stopcock, Class A, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with Boroflo stopcock, Reservoir and Rubber Bellow
- With automatic zero facility
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Generally used in titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2155006D	10	0.05	0.03	1
2155009D	25	0.10	0.05	1
2155012D	50	0.10	0.05	1
2155016D	100	0.20	0.10	1

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



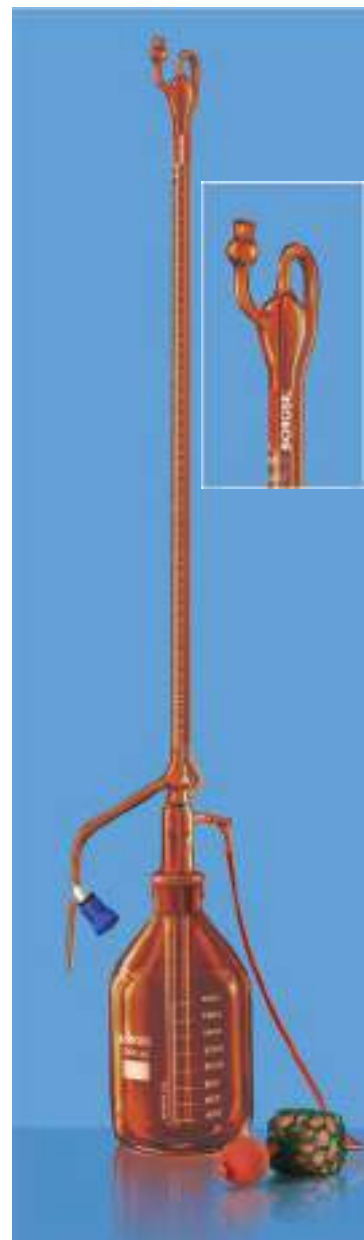
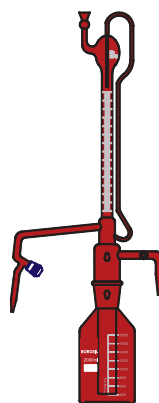
2155A - AUTOBURETTES

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

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Supplied with Boroflo stopcock, Reservoir and Rubber Bellow
- With automatic zero facility
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Calibrated & certified at 20°C and supplied with certificate of calibration traceable to National standards
- Generally used in titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2155A06D	10	0.05	0.03	1
2155A09D	25	0.10	0.05	1
2155A12D	50	0.10	0.05	1
2155A16D	100	0.20	0.10	1

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





2003 - BURETTES

With PTFE stopcock, NABL Certified, Class A, with Individual Calibration Certificate

- Complies with IS 1997 / ISO 385, Accuracy as per class A
- Designed with straight bore stopcock that increases the life, compared to PTFE key stopcocks
- The glass stopcock enhances control and enables smoother action
- Calibrated & certified at 20°C and supplied with NABL certificate of calibration traceable to National standards
- Generally used in titration process

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2003006	10	0.05	0.03	1
2003009	25	0.10	0.05	1
2003012	50	0.10	0.05	1
2003016	100	0.20	0.10	1

*NABL Certification can be provided for Glass & Boroflo Stopcock on request

Cones

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

Made from 3.3 Low Expansion Borosilicate Glass



2160 - IMHOFF CONE

Sharp Tip

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



Product Code	Approx Total Height mm	Approx Top Diameter mm	Quantity Per Case
2160094	454	110	1

2180 - IMHOFF CONE

Blunt Tip

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



Product Code	Approx Total Height mm	Approx Top Diameter mm	Quantity Per Case
2180093	439	110	1

Condensers

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

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

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

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

Made from 3.3 Low Expansion
Borosilicate Glass

USP
TYPE I

TYPE I
ASTM
E438
CLASS A

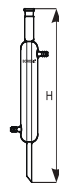
ISO
3585



2340 - LIEBIG CONDENSER

With Sealed Inner Tube

- Complies with IS 6052
- The light wall of the inner tube facilitates efficient heat transfer
- Low cooling capacity
- Used for distillate separation



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

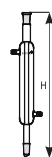


- Condensers
- Cylinders
- Dessicators

2400 - LIEBIG CONDENSER

With Drip Tip

- Complies with IS 6052
- With interchangeable inner and outer joints
- The light wall of the inner tube facilitates efficient heat transfer
- Low cooling capacity
- Used for distillate separation



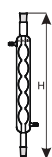
Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint		Quantity Per Case
			Socket	Cone	
2400087	200	350	19 / 26	19 / 26	5
NEW 2400A87	200	350	24 / 29	24 / 29	5
2400090	300	450	24 / 29	24 / 29	5
NEW 2400A90	300	450	19 / 26	19 / 26	5
2400092	400	550	24 / 29	24 / 29	5
NEW 2400A92	400	550	19 / 26	19 / 26	5



2480 - ALLIHN CONDENSER

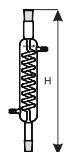
With Drip Tip

- Complies with IS 6052
- With Interchangeable Inner and Outer Joint
- Greater surface area than the Liebig Condenser owing to a series of bulbs, resulting in higher cooling capacity
- Ideal for laboratory scale refluxing



Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint		Quantity Per Case
			Socket	Cone	
2480087	200	350	19 / 26	19 / 26	5
NEW 2480A87	200	350	24 / 29	24 / 29	5
2480090	300	450	24 / 29	24 / 29	5
NEW 2480A90	300	450	19 / 26	19 / 26	5
2480092	400	550	24 / 29	24 / 29	5
NEW 2480A92	400	550	29 / 32	29 / 32	5
2480096	600	750	29 / 32	29 / 32	5
NEW 2480A96	600	750	24 / 29	24 / 29	5

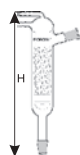




2560 - GRAHAM COILED CONDENSER With Drip Tip

- Complies with IS 6052
- With Interchangeable Inner and Outer Joint
- The coiled condensation tubes result in greater surface area for cooling
- Designed with top standard taper outer and lower inner drip tip joint

Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint		Quantity Per Case
			Socket	Cone	
2560090	300	450	24 / 29	24 / 29	5
NEW 2560A90	300	450	19 / 26	19 / 26	5
2560092	400	550	24 / 29	24 / 29	5
NEW 2560A92	400	550	29 / 32	29 / 32	5
2560095	500	650	24 / 29	24 / 29	5
NEW 2560A95	500	650	29 / 32	29 / 32	5



2640 - FRIEDRICH CONDENSER With Drip Tip

- Complies with IS 6052
- With Interchangeable Inner and Outer Joint
- Specially designed inner spiral tubes ensure along vapour path
- Offer better heat transfer and anti-flooding capabilities

Product Code	Approx Jacket Length mm	Ground Joint		Quantity Per Case
		Socket	Cone	
2640097	350	24 / 29	24 / 29	5



2641 - DOUBLE SURFACE CONDENSER

- Complies with IS 6052

Product Code	Approx Jacket Length mm	Approx Overall Height mm	Ground Joint	Quantity Per Case
2641087	200	345	19 / 26	5
2641187	200	360	24 / 29	5
2641090	300	454	19 / 26	5
2641190	300	450	24 / 29	5

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

Cylinders

Measuring cylinders are the most common and essential measuring devices used in any laboratory. **BOROSIL Scientific** Cylinders are made from heavy walled, machine drawn borosilicate glass tubing which makes them sturdy for daily laboratory use.

BOROSIL Scientific offers cylinders from capacities 5ml to 2000ml, with penny head stoppers.

Made from 3.3 Low Expansion
Borosilicate Glass

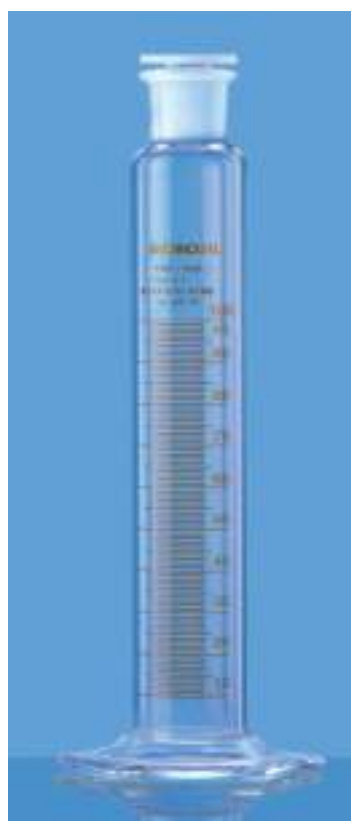




2975 - NESSLER CYLINDERS

- Complies with IS 4161
- Facilitates colour comparison of water samples, freedom from colour or visible defects
- White enamel inscriptions
- Calibrated at 20°C

Product Code	Capacity ml	Approx O.D. x Height	Tolerance \pm ml	Quantity Per Case
NEW 2975009	25	19 x 165	0.20	10
2975012	50	25 x 150	0.40	20
2975016	100	34 x 180	0.80	30



2981 - CYLINDERS

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

- Complies with IS 878, ISO 4788
- Supplied with Interchangeable Penny head Stopper
- Graduated, Single Metric Scale
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated and certified at 20°C

Product Code		Capacity ml	Graduation Interval ml	Tolerance \pm ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified					
2981005A	2981005D	5	0.1	0.05	10 / 19	5
2981006A	2981006D	10	0.2	0.10	10 / 19	5
2981009A	2981009D	25	0.5	0.25	14 / 23	10
2981012A	2981012D	50	1.0	0.50	14 / 23	10
2981016A	2981016D	100	1.0	0.50	19 / 26	10
2981021A	2981021D	250	2.0	1.00	24 / 29	5
2981024A	2981024D	500	5.0	2.50	24 / 29	5
2981029A	2981029D	1000	10.0	5.00	34 / 35	4
2981030A	2981030D	2000	20.0	10.0	34 / 35	4

2982 - CYLINDERS

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

- Complies with IS 878, ISO 4788
- Supplied with Interchangeable Penny head Stopper
- Graduated, Single Metric Scale
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated at 20°C



Cylinders

Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Stopper Size	Quantity Per Case
2982005D	5	0.1	0.1	10 / 19	5
2982006D	10	0.2	0.2	10 / 19	5
2982009D	25	0.5	0.5	14 / 23	10
2982012D	50	1.0	1.0	14 / 23	10
2982016D	100	1.0	1.0	19 / 26	10
2982021D	250	2.0	2.0	24 / 29	10
2982024D	500	5.0	5.0	24 / 29	5
2982029D	1000	10.0	10.0	34 / 35	4
2982030D	2000	20.0	20.0	34 / 35	4

2983 - CYLINDERS

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

- Tolerance complies with ASTM E 1272 and dimension as per ISO 4788
- Supplied with Interchangeable Penny head Stopper
- Graduated, Single Metric Scale
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated and certified at 20°C



Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified					
2983005A	2983005D	5	0.1	0.05	10 / 19	5
2983006A	2983006D	10	0.2	0.10	10 / 19	5
2983009A	2983009D	25	0.5	0.17	14 / 23	10
2983012A	2983012D	50	1	0.25	14 / 23	10
2983016A	2983016D	100	1	0.50	19 / 26	10
2983021A	2983021D	250	2	1	24 / 29	5
2983024A	2983024D	500	5	2	24 / 29	5
2983029A	2983029D	1000	10	3	34 / 35	4
2983030A	2983030D	2000	20	6	34 / 35	4



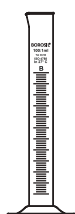
3021 - CYLINDERS

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

- Complies with IS 878, ISO 4788
- Graduated, Single Metric Scale
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated and certified at 20°C

Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified				
3021005A	3021005D	5	0.1	0.05	5
3021006A	3021006D	10	0.2	0.1	5
3021008A	3021008D	20*	1.0	0.25	10
3021009A	3021009D	25	0.5	0.25	10
3021012A	3021012D	50	1.0	0.5	10
3021016A	3021016D	100	1.0	0.5	10
3021018A	3021018D	150*	2.0	1.0	5
3021021A	3021021D	250	2.0	1.0	10
3021024A	3021024D	500	5.0	2.5	5
3021029A	3021029D	1000	10.0	5.0	4
3021030A	3021030D	2000	20.0	10.0	4

* As per Borosil standards.



3022 - CYLINDERS

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

- Complies with IS 878, ISO 4788
- Graduated, Single Metric Scale
- Certificate of Calibration traceable to national standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated at 20°C

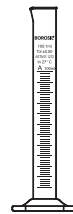
Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
3022005D	5	0.1	0.1	5
3022006D	10	0.2	0.2	5
3022009D	25	0.5	0.5	10
3022012D	50	1.0	1.0	20
3022016D	100	1.0	1.0	20
3022018D	150*	2.0	2.0	5
3022021D	250	2.0	2.0	10
3022024D	500	5.0	5.0	5
3022029D	1000	10.0	10.0	4
3022030D	2000	20.0	20.0	4

*150 ml Not covered in any standards.

3026 - CYLINDERS, ASTM

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

- Complies with ASTM E 1272
- Graduated, Single Metric Scale
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated and certified at 20°C



Cylinders

Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified				
3026005A	3026005	5	0.1	0.05	5
3026006A	3026006	10	0.2	0.1	5
3026009A	3026009	25	0.5	0.17	5
3026012A	3026012	50	1	0.25	5
3026016A	3026016	100	1	0.5	5
3026021A	3026021	250	2	1	5
3026024A	3026024	500	5	2	4
3026029A	3026029	1000	10	3	4
3026030A	3026030	2000	20	6	4

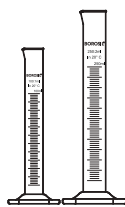
3027 - CYLINDERS ASTM

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

- Complies with ASTM E 1272
- Graduated, Single Metric Scale
- Each cylinder is engraved with a unique serial number, and comes with a Certificate of Calibration traceable to national standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated at 20°C



Till stock lasts				
Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
3027005	5	0.1	0.10	5
3027006	10	0.2	0.20	5
3027009	25	0.5	0.34	10
3027012	50	1	0.50	10
3027016	100	1	1.00	10
3027021	250	2	2.00	10
3027024	500	5	4.00	5
3027029	1000	10	6.00	4
3027030	2000	20	12.00	4



3032 - TAPPED DENSITY CYLINDER

As Per USP, Ch. 616

- Supplied as a set of two cylinders
- Used in tapped density apparatus to measure bulk density of powders
- Graduation in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability
- Calibrated at 20°C

Product Code	Capacity ml	Quantity Per Case Set
3032041	100 & 250	1 Each



3033 - TAPPED DENSITY CYLINDER

As Per USP, Ch. 616

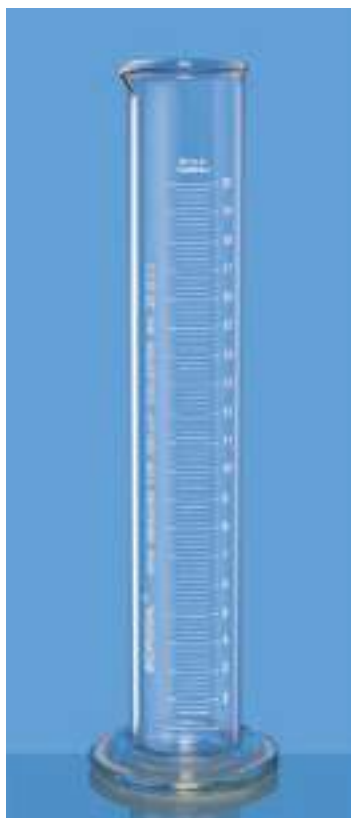
Product Code	Capacity ml	Quantity Per Case Set
3033016	100	2



3034 - TAPPED DENSITY CYLINDER

As Per USP, Ch. 616

Product Code	Capacity ml	Quantity Per Case Set
3034021	250	2



3070 - CYLINDERS

Rain Measure, Metric Scale, Graduated, With Round Base

- Complies with IS 4849
- Graduated, Single metric scale
- Graduation in white enamel
- The cylinders are graduated to indicate rainfall in mm when used with appropriate rain collector
- Calibrated at 20°C

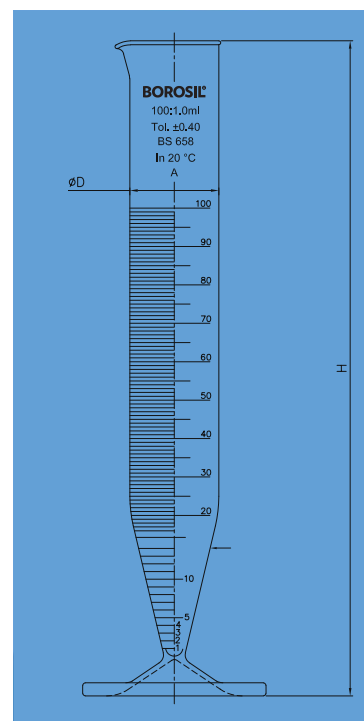
Product Code	Size mm	Used For Collector Area cm ²	Graduation Interval mm	Tolerance ± ml	Quantity Per Case
3070096	20	200	0.2	0.05	5
3070098	20	100	0.2	0.10	10

3041 - CROW CYLINDER **NEW**

Class A, with Individual Calibration Certificate

- Complies with BS 658 standard
- Graduated Single metric scale
- Each cylinder is engraved with a unique serial number and is provided with a calibration certificate traceable to national standards
- Graduations in amber enamel
- Calibrated and certified at 20°C
- Ideal for the collection and measurement of distillate in oil and jar tests

Product Code	Capacity ml	Tolerance ± ml	Quantity Per Case
3041016	100	0.4	5



Cylinders

2011 - CYLINDERS

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

- Complies with IS 1997, ISO 4788
- Graduated, Single Metric Scale
- Calibrated & certified at 20°C and supplied with NABL certificate of calibration traceable to National standards
- Graduations in amber enamel
- Sturdy hexagonal base prevents roll-over and ensures greater stability



Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
2011005	5	0.1	0.05	1
2011006	10	0.2	0.10	1
2011009	25	0.5	0.25	1
2011012	50	1	0.50	1
2011016	100	1	0.50	1
2011018	150*	2	1	1
2011021	250	2	1	1
2011024	500	5	2.5	1
2011029	1000	10	5	1
2011030	2000	20	10	1

* 150 ml not covered in standard.

Desiccator

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

Desiccator



3082 - DESICCATOR SET With Cover & Porcelain Plate

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

Product Code	Nominal Diameter mm	Approx Volume ml	Approx Flange OD mm	Approx Total Height mm	Quantity Per Case
3082041	100	120	153	173	1
3082042	150	410	213	205	1
3082043	200	975	272	272	1
3082044	250	1825	333	323	1
3082045	300	2555	395	344	1

Spare porcelain plate available on request



3083 - VACUUM DESICCATOR SET With Cover & Porcelain Plate

- Complies with IS 6128
- Supplied with with cover having stopcock with PTFE spindle, porcelain plate and plastic knob
- Simple design for drying under atmospheric pressure
- Ground glass flanges
- Plates are positioned on an internal ledge within the base
- Designed for use under vacuum
- Generally used for drying of moist products, and for storage of moisture-sensitive substances

Product Code	Nominal Diameter mm	Approx Volume ml	Approx Flange OD mm	Total Height mm	Quantity Per Case
3083041	100	120	153	173	1
3083042	150	410	213	205	1
3083043	200	975	272	272	1
3083044	250	1825	333	323	1
3083045	300	2555	395	344	1

Spare porcelain plate and stopcock available on request

3084 - DESICCATOR SET

With Cover & Porcelain Plate **Amber**

- Complies with IS 6128
- Supplied with with cover and porcelain plate, plastic knob
- Simple design for drying under atmospheric pressure
- Ground glass flanges
- Plates are positioned on an internal ledge within the base
- Amber coating to protect light sensitive chemicals
- Generally used for drying of moist products, and for storage of moisture-sensitive substances



Desiccator

Product Code	Nominal Diameter mm	Approx Flange OD mm	Total Height mm	Quantity Per Case
3084041	100	153	173	1
3084042	150	213	205	1
3084043	200	272	272	1
3084044	250	333	323	1
3084045	300	395	344	1

Spare cover and porcelain plate available on request

3085 - VACUUM DESICCATOR SET


With Cover & Porcelain Plate, **Amber**

- Complies with IS 6128
- Supplied with with cover having stopcock with PTFE spindle, porcelain plate and plastic knob
- Simple design for drying under atmospheric pressure
- Ground glass flanges
- Plates are positioned on an internal ledge within the base
- Designed for use under vacuum
- Amber coating to protect light sensitive chemicals
- Generally used for drying of moist products, and for storage of moisture-sensitive substances



Product Code	Nominal Diameter mm	Approx Volume ml	Approx Flange OD mm	Total Height mm	Quantity Per Case
3085041	100	120	153	173	1
3085042	150	410	213	205	1
3085043	200	975	272	272	1
3085044	250	1825	333	323	1
3085045	300	2555	395	344	1

Spare porcelain plate and stopcock available on request

Steps for Assembling Vacuum Desiccator	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
	Remove the different parts supplied with the Desiccator <ul style="list-style-type: none"> • Bottom • Lid • Porcelain plate • Stop cock 	Place the porcelain plate in the bottom part of the desiccator	Place the lid over it	Remove the blue knob from the lid and fit the stopcock in blue knob	Screw the blue knob along with the stopcock on the lid. Connect the desiccator to a vacuum source (pressure 1 bar) with a rubber tube.

Dishes

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

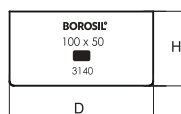
BOROSIL Scientific brand Dishes are inert, can be sterilised and remain clear even after repeated use and washing. With each subsequent use, the cost per Dish decreases.

Made from 3.3 Low Expansion
Borosilicate Glass



3140 - CRYSTALLIZING DISHES

- Reinforced and fire-polished rims reduce chipping
- Large labelling field for easy marking
- Very high resistance to chemicals and thermal shocks
- Ideal for crystallization and in hot/ice baths

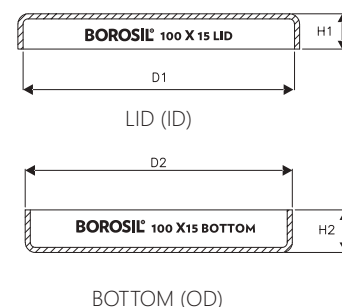


Product Code	Approx O.D. x Height mm	Approx Capacity ml	Quantity Per Case
3140077	100 x 50	330	10
3140081	150 x 75	1150	10
3140086	190 x 100	2500	4

3160 - PETRI DISHES (3.3 Borosilicate)

- Made of 3.3 low expansion borosilicate glass
- Complies with IS 2626
- These dishes are clear and withstand repeated sterilisation cycles (wet or dry)
- Beaded edges impart greater mechanical strength
- Specially formed to ensure even wall thickness and consistent optical performance
- Ideal culture vessel for microbiology and plant tissue culture applications

Product Code	Size mm	LID Approx I.D. (D1) x Height (H1) mm	Bottom Approx O.D. (D2) x Height (H2) mm	Quantity Per Case
3160065	50 x 17	53 x 15	50 x 17	100
3160072	80 x 17	83 x 15	80 x 17	100
3160077	100 x 17#	103 x 15	100 x 17#	100
3160081	150 x 20	153 x 17	150 x 20	40
3160087	200 x 20	203 x 20	200 x 20	10

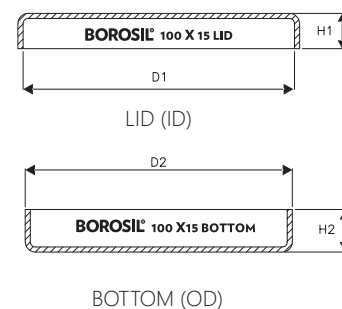


Not covered in standard

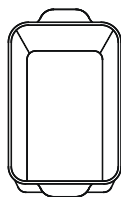
3165 - S LINE PETRI DISHES

- Made of sodalime glass
- **S-Line petri dishes with durable white enamel printing - with lid and bottom mentioned on it**
- Helps in quick identification of the lid and the bottom while sorting and pairing the petri dishes during use
- Optically clear and bubble free for making critical observations
- Flat inner surface for uniform distribution of media
- Ideal culture vessel for microbiology and plant tissue culture applications

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



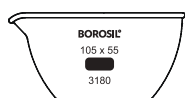
• Dishes
• Distilling Apparatus
• Water Distilling Unit
• Apparatus



3170 - DRYING TRAYS

- Made with a heavy wall, withstand hot air or steam sterilization
- Facilitates paper chromatography
- Dimensions are approximate, representing the inside

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



3180 - FLAT BOTTOM EVAPORATING DISHES With Spout

- Withstands repeated sterilisation (Wet or dry)
- Designed with a spout to facilitate clean pouring
- Very high resistance to chemicals and thermal shocks
- Beaded edge give greater mechanical strength
- Ideal for evaporating solvents in hot/ice baths

Product Code	Approx Dimension mm	Approx Capacity ml	Quantity Per Case
3180006	40 x 18	10	10
3180007	50 x 25	15	10
3180A11	60 x 30	45	10
3180013	70 x 35	60	10
3180A18	95 x 55	170	10
3180A22	11 x 65	320	10
3180025	140 x 80	600	10
3180044	190 x 100	1500	10
3180A30	230 x 130	2500	10
3180078	105 x 55	290	10
3180081	150 x 80	855	10
3180087	200 x 100	1790	8

Distilling Apparatus

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

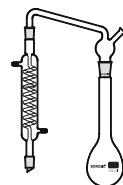
Distilling
Apparatus

Made from 3.3 Low Expansion
Borosilicate Glass



3340-DISTILLING APPARATUS With Graham Condenser And Interchangeable Joints

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



Product Code	Capacity ml	Quantity Per Case
3340024	500	2 Set
Spare parts available on request		

3360-DISTILLING APPARATUS With Graham Condenser, Interchangeable Joints and Stopper

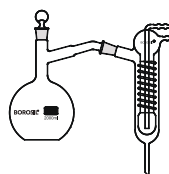
- Ideal for batch production of high purity distilled water
- General purpose Batch Distillation Assembly equipped with an interchangeable stoppered neck that facilitates addition
- The Flask has a flat base with a delivery tube on the side



Product Code	Capacity ml	Condenser Jacket mm	Interchangeable Joint	Quantity Per Case
3360024	500	200	19 / 26	2 Set
Spare parts available on request				

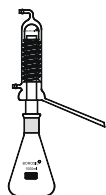
3380- DISTILLING APPARATUS with Friedrichs Condenser, Interchangeable Joint and Stopper

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



Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case
3380030	2000	24 / 29	1 Set
Spare parts available on request			

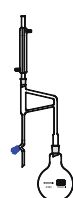
Distilling Apparatus



3440-DISTILLING APPARATUS with Friedrichs Condenser, Interchangeable Joint

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

Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case
3440029	1000	34 / 35	2 Set
Spare parts available on request			

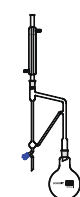


3450-ESSENTIAL OIL DETERMINATION APPARATUS

(Clevenger Apparatus), As per IS 1797

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

Product Code	Capacity ml	Quantity Per Case
3450029	1000	1 Set
3450030	2000	1 Set
3450033	5000	1 Set
3450038	10000	1 Set
3450040	20000	1 Set
Spare parts available on request		



3451-ESSENTIAL OIL DETERMINATION APPARATUS

(Clevenger Apparatus)

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

Product Code	Capacity ml	Quantity Per Case
3451029	1000	1 Set
3451030	2000	1 Set
3451033	5000	1 Set
3451038	10000	1 Set
3451040	20000	1 Set
Spare parts available on request		

3452 - ALCOHOL DISTILLATION UNIT

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



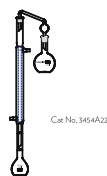
Product Code	Capacity ml	Quantity Per Case
3452029	1000	1 Set
Spare parts available on request		



Distilling Apparatus

3454 - R M VALUE APPARATUS

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



Cat No. 3454A22

Product Code	Capacity ml	Quantity Per Case
3454022	300	1 Set
3454A22*	300	1 Set

* As per IS 548 Part I Standard

Spare parts available on request



3602- DEAN STARK DISTILLING APPARATUS

As per IP

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



Product Code	Capacity of Receiver Tube ml	Quantity Per Case
3602005	5	2 Set
3602006	10	2 Set

Spare parts available on request

Receiver Tube 5ml / 10 ml graduated with 19 / 26 outer joint and 24 / 29 inner joint,
Note: 10 ml receiver tube is graduated from 1 ml to 10 ml in 0.1 ml intervals

Round bottom flask 1000 ml with 24 / 29 outer joint

Liebig condenser 200 mm with 19 / 26 joint



Flasks

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

BOROSIL[®] brand Flasks are designed to deliver the best combination of thermal shock resistance, physical strength and resistance to chemical attack. They are made so as to withstand the demands of the modern laboratory. Flasks with interchangeable joints are particularly suitable for all glass apparatus assemblies.

BOROSIL offers the interchangeable joints most commonly specified for a particular capacity. Tube Adaptors Category Nos. 8800 and 8820 can be used to connect the Flask with a particular size joint to any other apparatus having a different size joint.

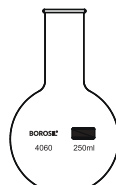
Made from 3.3 Low Expansion Borosilicate Glass



4060 - FLAT BOTTOM FLASK

Narrow Mouth

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



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

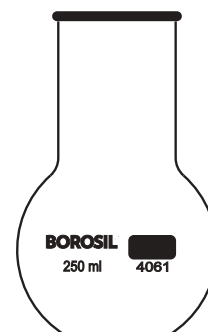
* Suitable for use in Polenske Apparatus

** Not covered in standards

4061 - FLASKS

Flasks, Boiling, Flat Bottom, ISO 24450, Wide Neck

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case
4061012D	50	51 x 90	34	50
4061016D	100	64 x 105	34	80
4061021D	250	85 x 140	50	80
4061024D	500	105 x 165	50	40
4061029D	1000	131 x 190	50	20
4061030D	2000	166 x 230	50	2



4100 - FLAT BOTTOM FLASK

Narrow Mouth, Short Neck With I/C Joint

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



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

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



4260 - ROUND BOTTOM FLASK

Narrow Mouth

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

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

** Not covered in standards

Flasks



4261 - FLASKS

Boiling, Flat Bottom, Wide Neck, ISO 24450

- Uniform wall thickness distribution makes these flasks ideal for heating
- All sizes have a durable matt-finished enamelled area for marking

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case
4261012	50	51 x 105	34	70
4261016	100	64 x 110	35	50
4261021	250	85 x 143	51	80
4261024	500	105 x 168	50	40
4261029	1000	131 x 200	50	20
4261030	2000	165 x 240	76	2
4261031	3000**	185 x 260	65	2
4261033	5000**	223 x 310	65	2
4261034	6000	236 x 330	89	1
4261038	10000	279 x 420	89	1
4261040	20000	350 x 520	89	1

** Not covered in standards

4265 - DISSOLUTION E-FLASK

Clear, USP, With Certificate

- Designed for dissolution apparatus with side cut, as per USP
- Vessels conforms to all requirements of USP Ch. 711, provided with certificate
- Smooth hemispherical base with no flaws or defects, straight sides and a flat flange
- Graduated in intervals of 50 ml
- Ideal for Dissolution Apparatus for determining the dissolution characteristics of drugs in capsules and tablets

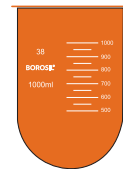


Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
4265029	1000	131 x 173	6

4267 - DISSOLUTION E-FLASK

Amber, USP, With Certificate

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



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
4267029	1000	131 x 173	6

Flasks

4270 - DISSOLUTION D-FLASKS

- Designed for Dissolution Apparatus without side cut, with silicon ring, as per USP
- Vessels conforms to all requirements of USP Ch. 711, provided with certificate
- Smooth hemispherical base with no flaws or defects, straight sides and a flat flange
- Graduated in intervals of 50ml
- Ideal for determining the dissolution characteristics of drugs in capsules and tablets



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
4270029	1000	132 x 168	6



4315 - PEAR SHAPE FLASK

With I/C Joint

- The conical shape makes them ideal for small scale reaction
- Large labelling field

Product Code	Capacity ml	Interchangeable Joint Size	Quantity Per Case
4315005	5	10 / 19	10
4315105	5	14 / 23	10
4315006	10	10 / 19	10
4315106	10	14 / 23	10
4315009	25	14 / 23	5
4315012	50	14 / 23	10

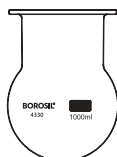


4320 - ROTARY EVAPORATOR FLASK

With I/C Joint

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

Product Code	Capacity ml	Interchangeable Joint Size	Quantity Per Case
4320112	50	24 / 29	2
4320012	50	29 / 32	2
4320116	100	24 / 29	2
4320016	100	29 / 32	2
4320121	250	24 / 29	2
4320021	250	29 / 32	2
4320124	500	24 / 29	2
4320024	500	29 / 32	2
4320129	1000	24 / 29	2
4320029	1000	29 / 32	2
4320130	2000	24 / 29	2
4320030	2000	29 / 32	2



4330 - REACTION VESSEL FLASK

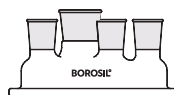
Wide Mouth With Flange

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

Product Code	Capacity ml	Approx Height mm	Quantity Per Case
4330029	1000	170	2
4330030	2000	205	2
4330033	5000	260	2
4330038	10000	335	1
4330040	20000	400	1

4331 - LID FOR REACTION VESSEL FLASK

(Cat. No. 4330)



- Lids can be used with all of the above capacities of REACTION VESSEL FLASK (CAT. NO. 4330)

Product Code	Interchangeable Joint Size					Quantity Per Case
	Centre	Parallel	Side 50°	Side 10°	Side 15°	
4331Z97	19 / 26	19 / 26	24 / 29	19 / 26	-	2
4331Z98	19 / 26	14 / 23	14 / 23	14 / 23	29 / 32	2
4331Z99	29 / 32	14 / 23	14 / 23	14 / 23	29 / 32	2



4380 - ROUND BOTTOM FLASK

Narrow Mouth, Short Neck With I/C Joint

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



Product Code	Capacity ml	Approx Height mm	Interchangeable Joint	Quantity Per Case
4380A05	5	60	14 / 23	10
4380A06	10	65	14 / 23	10
4380A09	25	80	14 / 23	10
4380B09	25	77	19 / 26	10
4380A12	50	95	14 / 23	5
4380B12	50	95	19 / 26	5
4380C12	50	95	24 / 29	5
4380D12	50	95	29 / 32	5
4380E12	50	95	34 / 35	5
4380A16	100	120	14 / 23	20
4380B16	100	120	19 / 26	20
4380C16	100	120	24 / 29	20
4380D16	100	120	29 / 32	20
4380E16	100	120	34 / 35	20
4380A21	250	140	14 / 23	20
4380B21	250	140	19 / 26	20
4380C21	250	140	24 / 29	20
4380D21	250	140	29 / 32	20
4380E21	250	140	34 / 35	20
4380A24	500	160	14 / 23	10
4380B24	500	160	19 / 26	10
4380C24	500	160	24 / 29	10
4380D24	500	160	29 / 32	10
4380E24	500	160	34 / 35	10
4380A29	1000	190	19 / 26	10
4380B29	1000	190	24 / 29	10
4380C29	1000	190	29 / 32	10
4380D29	1000	190	34 / 35	10
4380E29	1000	190	45 / 40	10
4380F29	1000	190	55 / 44	10
4380A30	2000	230	24 / 29	4
4380B30	2000	230	29 / 32	4
4380C30	2000	230	34 / 35	4
4380D30	2000	230	45 / 40	4
4380A31	3000	265	24 / 29	4
4380B31	3000	265	29 / 32	4
4380C31	3000	265	34 / 35	4
4380D31	3000	265	45 / 40	4
4380E31	3000	265	55 / 44	4
4380A33	5000	300	24 / 29	2
4380B33	5000	300	29 / 32	2
4380C33	5000	300	34 / 35	2
4380D33	5000	300	45 / 40	2
4380E33	5000	300	55 / 44	2
4380A38	10000	385	34 / 35	1
4380B38	10000	385	45 / 40	1
4380C38	10000	385	55 / 44	1
4380A40	20000	435	55 / 44	1



Flasks



4381 - ROUND BOTTOM FLASK

2 Necks, Angular

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

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

4382 - ROUND BOTTOM FLASK

2 Necks, Parallel

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



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



4383 - ROUND BOTTOM FLASK

3 Necks, Angular

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

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

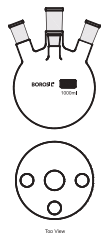
4384 - ROUND BOTTOM FLASK

3 Necks, Parallel

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



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



4385 - ROUND BOTTOM FLASK

4 Necks, Angular

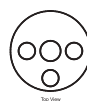
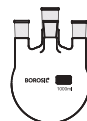
- With Interchangeable Joints
- The centred neck is vertical. All the three side necks are inclined at an angle of 20° to the vertical neck
- The two side necks are 180° apart, and a third side neck is at 90° from the other two necks
- Uniform wall thickness distribution and round-bottom shape make them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

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

4386 - ROUND BOTTOM FLASK

4 Necks, Parallel

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



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

4422 - CULTURE FLASK

Haffikine

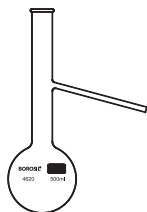
- Complies with IS 7183
- The large, flat bottom surface ensures uniform culture growth
- Typically used for the preparation of culture in nutrient media



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case	Price / Piece ₹
4422031	3000*	245 x 280	2	3835.00
4422032	4000	246 x 310	2	4230.00

*3000 ml not covered in standards





4620 - DISTILLING FLASK With Side Arm

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

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case
4620016	100	65 x 210	22	4
4620017	*125	69 x 215	22	4
4620021	250	87 x 230	25	4
4620024	500	110 x 250	28	4
4620029	1000	138 x 305	34	4

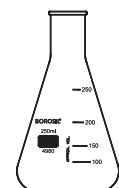
* Specification as per the Institute of Petroleum Standard No. IP 123/64



4621 - DISTILLING FLASK With I/C Joint

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

Product Code	Capacity ml	Approx O.D.xHeight mm	Approx Neck I. D.	Inter-changeable Joint	Quantity Per Case
4621017	125	69 x 218	19	19 / 26	20



4980 - ERLIENMEYER (CONICAL) FLASK Narrow Mouth, With Rim

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

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

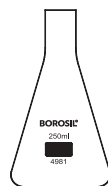
25 ml to 5000 ml Graduated

* Not covered in standards

4981 - ERLLENMEYER (CONICAL) FLASK

Long Neck Without Rim

- Complies with IS 1381(Part I), DIN / ISO 1773
- Uniform wall thickness distribution makes these flasks ideal for heating
- Long neck designed for cotton plugs and metal caps
- The conical form makes them suitable for mixing liquids
- The easy-to-read scale and large labelling field facilitate easy marking
- Ideal for microbial culture work

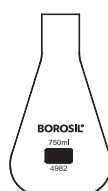


Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case
4981021	250	78 x 154	27	10

4982 - ERLLENMEYER (CONICAL) FLASK

Without Rim

- Complies with IS 1381(Part I), DIN / ISO 1773
- Uniform wall thickness distribution makes these flasks ideal for heating
- The conical form makes them suitable for mixing liquids
- Designed without a rim for use in the shaker machine
- The easy-to-read scale and large labelling field facilitate easy marking
- Graduated from 25 ml to 5000 ml



Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case
4982027	750	114 x 210	42	10

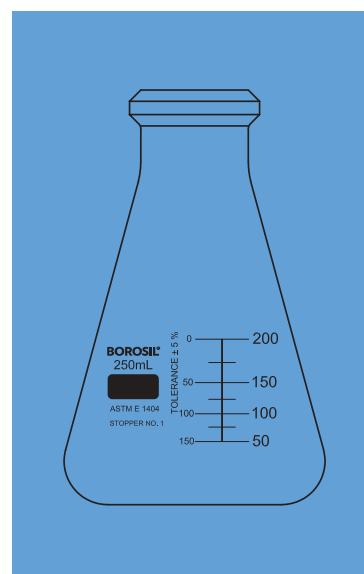
Suitable for culture work, designed for use in shaker machine

4985 - FLASKS ASTM

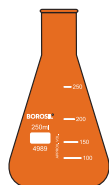
Narrow mouth, Erlenmeyer Flasks

- Manufactured from 33 expansion borosilicate glass conforming to ASTM E438 Type I, class A
- Designed from ASTM E1404 Type I Class I requirements
- Tooled neck to provide more mechanical strength
- Uniform wall thickness makes these flasks ideal for heating
- Graduated flasks with dual white ceramic graduation
- Graduation starts from 25 ml

Product Code	Capacity ml	Approx O.D. x Height mm	Stopper Number	Quantity
4985009	25	42 x 67	0	48
4985012	50	52 x 83	1	48
4995017	125	68 x 111	5	48
4985021	250	83 x 133	6	48
4985022	300	90 x 146	6	48
4985024	500	103 x 177	7	36
4895029	1000	131 x 222	9	24



Flasks



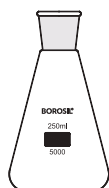
4989 - ERLENMEYER (CONICAL) FLASK

Narrow Mouth, With Rim, Amber

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

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case
4989016	100	64 x 105	22	10
4989018	150*	72 x 124	28	10
4989021	250	85 x 145	34	10
4989024	500	105 x 180	34	10
4989029	1000	131 x 220	42	10

* Not covered in standards



5000 - ERLENMEYER (CONICAL) FLASK

Narrow Mouth, With I/C Joint

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

Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case
5000009	25	14 / 23	10
5000012	50	19 / 26	10
5000016	100	24 / 29	10
5000021	250	24 / 29	10
5000024	500	24 / 29	5



5015 - TILT MEASURE

- Ideal for dispensing fixed volume of liquid
- Easy to use
 - Tilt the unit backward to fill
 - Tilt the unit forward to dispense
- Accuracy + 5% can be achieved

Product Code	Capacity ml	Flask Capacity ml	Quantity Per Case
5015005	5	100	5
5015006	10	250	5
5015008	20	250	10
5015009	25	250	10
5015012	50	250	10

5019 - ERLLENMEYER (CONICAL) FLASK

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

- Complies with IS 1381 (Part II), DIN / ISO 4797
- Equipped with interchangeable joints
- These flasks can be closed with a glass stopper
- Uniform wall thickness distribution makes these flasks ideal for heating
- While heating stopper should be removed
- The conical form makes them suitable for mixing liquids
- Coloured in Amber to protect light-sensitive material
- The Amber colour is applied only to the external surface to prevent contamination with the testing material



Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case
5019009	25	14 / 23	10
5019012	50	19 / 26	10
5019016	100	24 / 29	20
5019021	250	24 / 29	20
5019024	500	24 / 29	10

5020 - ERLLENMEYER (CONICAL) FLASK

Narrow Mouth, With I/C Joint & Glass Stopper

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



Product Code	Capacity ml	Interchangeable Joint	Quantity Per Case
5020009	25	14 / 23	10
5020012	50	19 / 26	10
5020016	100	24 / 29	20
5020021	250	24 / 29	20
5020024	500	24 / 29	10
5020029	1000	29 / 32	10
5020030	2000	29 / 32	10

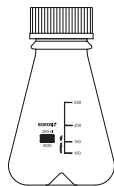
5021 - ERLLENMEYER (CONICAL) FLASK

With Screw Cap

- Supplied with PP screw cap autoclavable at 121°C
- The conical form makes them suitable for mixing of liquids



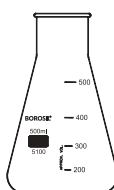
Product Code	Capacity ml	Neck Specification	Quantity Per Case
5021016	100	GL 25	20
5021018	150	GL 25	20
5021021	250	GL 45	20
5021024	500	GL 45	10
5021029	1000	GL 45	10
5021030	2000	GL 45	10
5021033	5000	GL 45	2



5025 - ERLENMEYER (CONICAL) FLASK Baffled Bottom, With Screw Cap

- Supplied with screw cap made of polypropylene, autoclavable at 121°C
- Exhibits four baffled indents to provide consistent agitation and optimum aeration
- Optimum clarity for making critical observations
- Chemically inert and resistance to sodium leaching does not cause any pH changes in the liquid it is holdin
- Ideal culture vessel for microbial culture preparations, enzymatic dissociation of tissues, culturing of suspension cells for biopharma applications, plant cell culturing

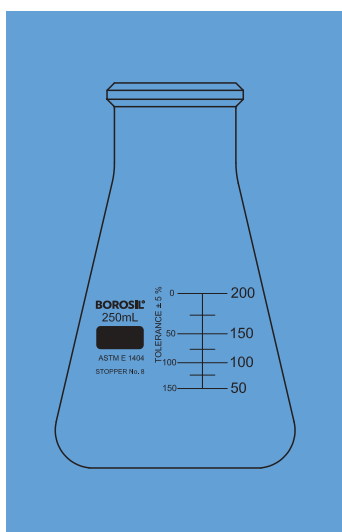
Product Code	Capacity ml	Neck Specification	Quantity Per Case
5025021	250	GL 45	10
5025024	500	GL 45	10
5025029	1000	GL 45	10
5025030	2000	GL 45	10



5100 - ERLENMEYER (CONICAL) FLASK Wide Mouth

- Complies with IS 1381 /ISO 1773
- Uniform wall thickness distribution makes these flasks ideal for heating
- The conical form makes them suitable for mixing of liquids
- The easy-to-read scale and large labelling field facilitate easy marking
- Designed with a wide neck that makes cleaning and filling easier

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case
5100016	100	64 x 105	34	20
5100021	250	85 x 142	50	30
5100024	500	105 x 175	50	20
5100029	1000	130 x 220	56	10



5102 - FLASKS ASTM Wide Mouth Erlenmeyer Flasks

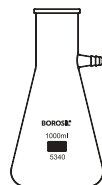
- Manufactured from 33 expansion borosilicate glass conforming to ASTM E438 Type I, class A
- Designed from ASTM E1404 Type I Class II requirements
- Tooled neck to provide more mechanical strength
- Graduated flasks with dual white ceramic graduation

Product Code	Capacity ml	Approx O.D. x Height mm	Approx Neck O.D. mm	Quantity Per Case
5102017	125	68 x 111	6	48
5102021	250	83 x 133	8	48
5102024	500	105 x 186	10	36
5102024	1000	131 x 222	11	24

5340 - FILTER FLASK

With Glass Tubulation

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



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
5340012	50	52 x 86	30
5340016	100	70 x 105	20
5340021	250	85 x 155	10
5340024	500	105 x 185	20
5340029	1000	135 x 235	10
5340030	2000	165 x 270	5
5340033	5000	240 x 450	2
5340038	10000*	236 x 420	1
5340040	20000*	295 x 538	1

* These flasks are bottle shaped

5400 - IODINE FLASK

With I/C Glass Stopper

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



Product Code	Capacity ml	Interchangeable Joint Size	Quantity Per Case
5400016	100	24 / 29	10
5400021	250	24 / 29	10
5400024	500	24 / 29	10

5420 - KJELDAHL FLASK

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



Product Code	Capacity ml	Approx O.D. x Height mm	Quantity Per Case
5420006	10	30 x 180	10
5420010	30	40 x 180	10
5420016	100	61 x 210	10
5420022	300	82 x 298	10
5420024	500	103 x 325	10
5420028	800	116 x 375	10



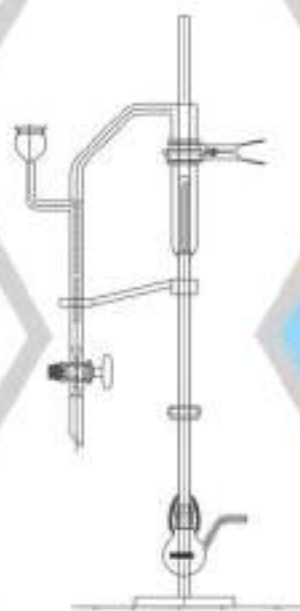
5430 - KJELDAHL FLASK

With I/C Joint

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

Product Code	Capacity ml	Approx O.D. x Height mm	Interchangeable Joint Size	Quantity Per Case
5430024	500	103 x 325	24 / 29	10
5430028	800	116 x 375	24 / 29	10

Glass Apparatus as per *Pharmacopoeia*



**Arsenic
Apparatus**

**Methoxy
Apparatus**

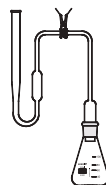
**Sodium Alginate
Assembly**

**Oxygen Combustion
Flask**

**Sulphur Dioxide
Assembly**

**Dean & Stark
Apparatus**

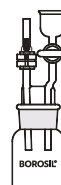
5200 - ARSENIC DETERMINATION APPARATUS AS PER USP



Product Code	Quantity Per Case
5200001	1
Spare parts available on request	



5201 - ARSENIC DETERMINATION APPARATUS GUTZEIT

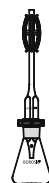


Product Code	Quantity Per Case
5201001	1
Spare parts available on request	



Pharmacopoeial Products

5202 - ARSENIC DETERMINATION APPARATUS AS PER BP



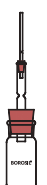
Product Code	Quantity Per Case
5202001	1
Spare parts available on request	





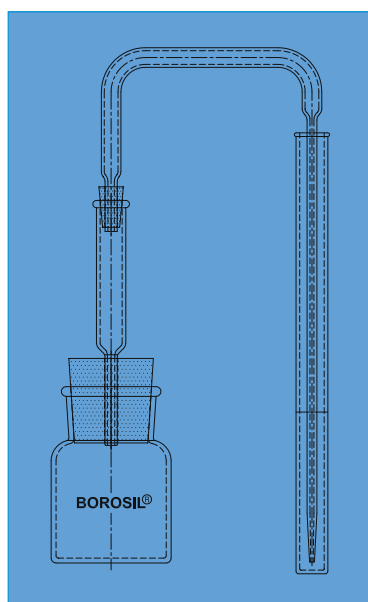
5203 - ARSENIC DETERMINATION APPARATUS AS PER IP

Product Code	Quantity Per Case
5203001	1
Spare parts available on request	



5204 - ARSENIC DETERMINATION APPARATUS AS PER IS

Product Code	Quantity Per Case
5204001	1
Spare parts available on request	

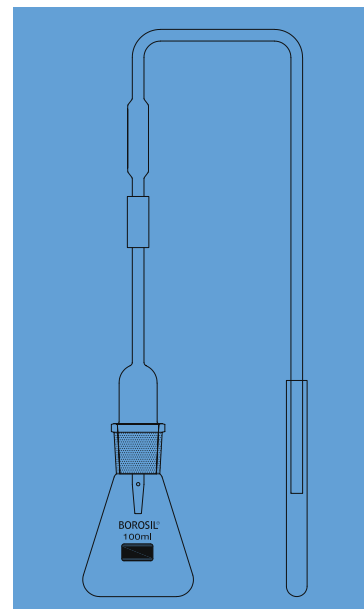


5205 - ARSENIC DETERMINATION APPARATUS AS PER JP

Product Code	Quantity Per Case
5205001	1
Spare parts available on request	

5206 - ARSENIC DETERMINATION APPARATUS AS PER EP

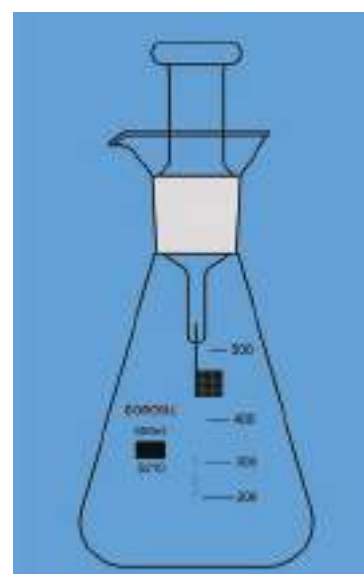
Product Code	Quantity Per Case
5206001	1
Spare parts available on request	



5210 - OXYGEN COMBUSTION FLASK AS PER USP

- Complies to ASTM E205 - 96
- Used for the determination of bromine, chlorine, iodine and sulphur

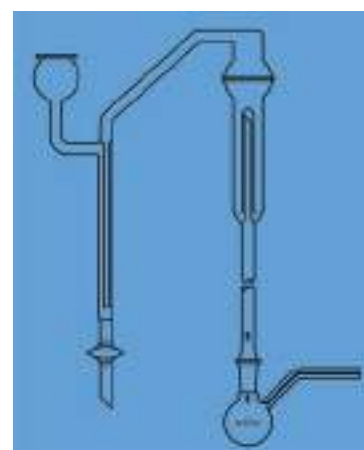
Product Code	Capacity ml	Quantity Per Case
5210022	300	1
5210024	500	1
Spare parts available on request		

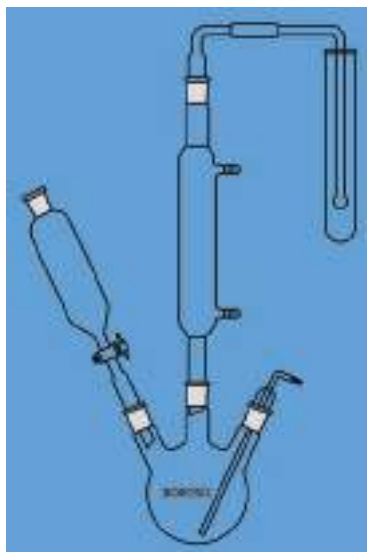


Pharmacopoeial Products

5211 - METHOXY DETERMINATION ASSEMBLY AS PER USP

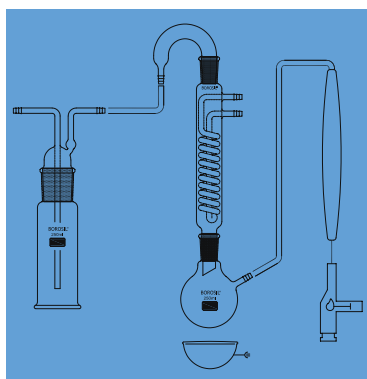
Product Code	Quantity Per Case
5211024	1
Spare parts available on request	





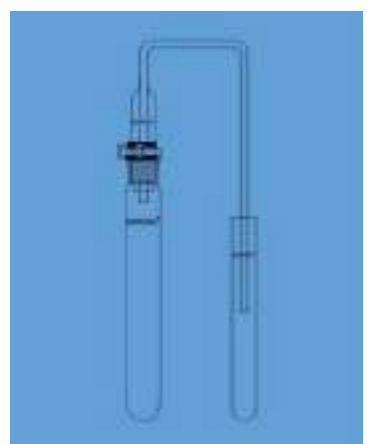
5212 - SULPHUR DI-OXIDE ASSEMBLY AS PER USP

Product Code	Quantity Per Case
5212024	1
Spare parts available on request	



5215 - SODIUM ALGINATE ASSEMBLY AS PER USP

Product Code	Quantity Per Case
5215021	1
Spare parts available on request	



5216 - SODIUM BICARBONATE ASSEMBLY **NEW**

Product Code	Quantity Per Case
5216001	2 sets



5217 - LUNGE NITROMETER **NEW**

Product Code	Quantity Per Case
5217001	2 sets

BAFFLED Erlenmeyer Flask

*A cost-effective solution
for your culture preparations*

Ideal culture vessel for

- Microbial culture preparations
- Enzymatic dissociation of tissues
- Culturing of suspension cells for biopharma applications
- Plant cell culturing



Made from 3.3 Low Expansion
Borosilicate Glass



BOROSIL[®]

BORO PURE

Filtration Products



- GLASS FILTRATION ASSEMBLY
- FILTER MEMBRANES

Made from 3.3 Low Expansion Borosilicate Glass



BOROSIL® offers a complete solution for laboratory filtration applications with **BORO PURE** range of products

BORO PURE Glass Filter Assembly is easy to clean and 100% autoclavable and reusable. It is made of 3.3 borosilicate glass with a sintered glass filter which is compatible with most of the organic solvents. All glass filter assembly is an environment friendly and cost effective device for filtration.

BORO PURE Filter membranes is a new offering which includes membrane for applications such as HPLC mobile phase filtration, analysis of particulate or biological contaminants, small volume filtration and sterile filtration of media and buffer.



BOROPURE

Filtration Products

Glass Filtration Assembly

is a comprehensive collection of precision-engineered products designed to revolutionize laboratory filtration. From ground joint to GL45 universal adapters, this essential range ensures effortless, high quality filtration, meeting the needs of various applications with utmost ease and efficiency.

Made from 3.3 Low Expansion
Borosilicate Glass



5350 - BOROPURE GLASS FILTRATION ASSEMBLY

- Available in two sizes - 47 mm and 90 mm
- Entire assembly consists of:
 1. Glass Funnel - Capacity: 300 ml / 1000 ml
 2. Filter Support Base with sintered glass filter - 47 mm/ 90 mm
 3. Glass Receiver Flask - 500 ml/1000 ml/2000 ml/5000 ml
 4. Aluminium Clamp - 47 mm / 90 mm
- Effective filtration area - 9.6 cm² for 47 mm and 45.5 cm² for 90 mm
- The filter support base design has an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets
- Aluminium spring clamp is anodised for longer life
- Ideal for filtration of HPLC solvents and aqueous mobile phase solutions and buffers

Assembly

Product Code	Filter Support Base Size mm	Glass Funnel Capacity ml	Glass Receiver Flask Capacity ml	Aluminium Clamp mm	Quantity Per Case
5350024	47	300 ml	500	47	1
5350029	47	300 ml	1000	47	1
5350030	47	300 ml	2000	47	1
5350033	90	1000 ml	5000 ml	90	1
5350A29	90	1000 ml	1000 ml	90	1

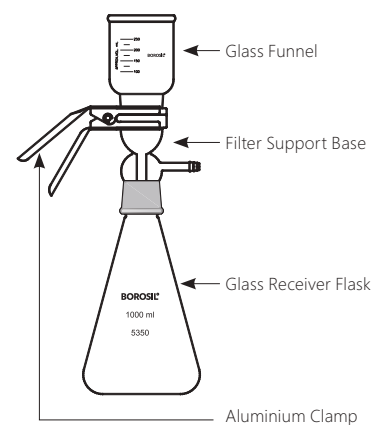
Spares For 47 MM Filter Assembly

Product Code	Capacity / Size	Description
5350124	500 ml	Glass Receiver Flask
5350129	1000 ml	Glass Receiver Flask
5350130	2000 ml	Glass Receiver Flask
5350S01	300 ml	Glass Funnel
5350S02	47 mm	Filter Support Base
5350S03	47 mm	Aluminium Clamp

Spares For 90 MM Filter Assembly

Product Code	Capacity /Size	Description
5350133	5000 ml	Glass Receiver Flask
5350229	1000 ml	Glass Receiver Flask
5350233	1000 ml	Glass Funnel
5350333	90 mm	Filter Support Base
5350433	90 mm	Aluminium Clamp

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



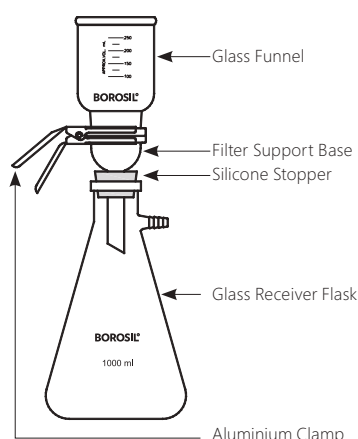


5360 - BOROPURE GLASS FILTRATION ASSEMBLY With Silicone Stopper, 47 mm

- Entire assembly consists of:
 1. Glass Funnel - Capacity: 300 ml
 2. Filter Support Base with sintered glass filter - 47 mm
 3. Glass Receiver Flask - 1000 ml / 2000 ml
 4. Aluminium Clamp - 47 mm
 5. Silicone stopper: size # 8
- Effective filtration area - 9.6 cm² for 47 mm
- The filter support base design has an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets
- Aluminium spring clamp is anodised for longer life
- The filtration base has a silicon stopper
- Facilitates analysis of particulate or biological contamination of vacuum filtering liquid

Assembly

Product Code	Filter Support Base Size mm	Glass Funnel Capacity ml	Glass Receiver Flask Capacity ml	Aluminium Clamp mm	Silicone stopper Size	Quantity Per Case
5360029	47	300 ml	1000	47	#8	1
5360030	47	300 ml	2000	47	#8	1



Spares For 47 MM Filter Assembly

Product Code	Capacity / Size	Description
5360129	1000 ml	Glass Receiver Flask
5360130	2000 ml	Glass Receiver Flask
5360S01	300 ml	Glass Funnel
5360S02	47 mm	Filter Support Base
5360S03	47 mm	Aluminium Clamp
5360S05	#8	Silicone stopper, MOQ - Pack of 10 nos



Looking for Continuous
Filtration of solvents?

Without the hassle of refilling the funnel ...

Try our new
Glass Filtration Adapter



Product Code	Description	Size mm	Case Lot Nos
MISC530	Universal Filtration Adapter, Glass	47	5

Compatible with all glass filtration assembly: 5350, 5360, 5380 and 5385



Scan to
watch video

5370 - BOROSIL GLASS MICROFILTRATION ASSEMBLY

With Silicone Stopper, 25 mm

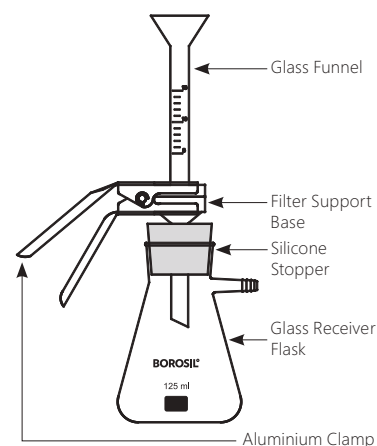
- Entire assembly consists of:
 - Glass Funnel - Capacity: 15 ml
 - Filter Support Base with sintered glass filter - 25 mm
 - Glass Receiver Flask - 125 ml
 - Aluminium Clamp - 25 mm
 - Silicone stopper: size #5
- Effective filtration area - 2.2 cm² for 25 mm
- The filter support base design has an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets
- Aluminium spring clamp is anodised for longer life
- The filtration base has a silicon stopper
- Ideal for small volume vacuum filtration for biological analysis or particulate contamination analysis.

Assembly

Product Code	Filter Support Base Size mm	Glass Funnel Capacity ml	Glass Receiver Flask Capacity ml	Aluminium Clamp mm	Silicone stopper Size	Quantity Per Case
5370017	25	15 ml	125	25	#5	1

Spares For 25 MM Filter Assembly

Product Code	Capacity / Size	Description
5370S01	125 ml	Glass Receiver Flask
5370S02	15 ml	Glass Funnel
5370S03	25 mm	Filter Support Base
5370S04	25 mm	Aluminium Clamp
5370S05	#5	Silicone stopper, MOQ - Pack of 10 nos



NEW

Looking for Continuous Filtration of solvents?

Without the hassle of refilling the funnel ...

Try our new Glass Filtration Adapter



Scan to
watch video





5380 - BOROPURE GLASS FILTRATION ASSEMBLY

47 mm, With Bottle

- Entire assembly consists of:
 1. Glass Funnel - Capacity: 300 ml / 1000 ml
 2. Filter Support Base with sintered glass filter - 47 mm / 90 mm
 3. Glass Bottle with PP Screw cap - 1000 ml / 2000 ml / 5000 ml
 4. Aluminium Clamp - 47 mm / 90 mm
- Effective filtration area - 9.6 cm² for 47 mm and 45.5 cm² for 90 mm
- The filter support base design has an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets
- Aluminium spring clamp is anodised for longer life
- The final filtrate will be collected directly in a screw cap bottle and there is no need to transfer the filtrate again into a new container for storage
- Ideal for filtration of HPLC solvents and aqueous mobile phase solutions, sterile filtration of media and buffers

Assembly

Product Code	Filter Support Base Size mm	Glass Funnel Capacity ml	Glass Receiver Bottle Capacity ml	Aluminium Clamp mm	Quantity Per Case
5380029	47	300 ml	1000	47	1
5380030	47	300 ml	2000	47	1
5380033	90	1000 ml	5000	90	1

Spares For 47 MM Filter Assembly

Product Code	Capacity / Size	Description
5380129	1000 ml	Glass Receiver Bottle with GL 45 screw cap
5380130	2000 ml	Glass Receiver Bottle with GL 45 screw cap
5350S01	300 ml	Glass Funnel
5380S02	47 mm	Filter Support Base
5350S03	47 mm	Aluminium Clamp

* Till stock lasts

5385 - BOROPURE GLASS FILTRATION ASSEMBLY

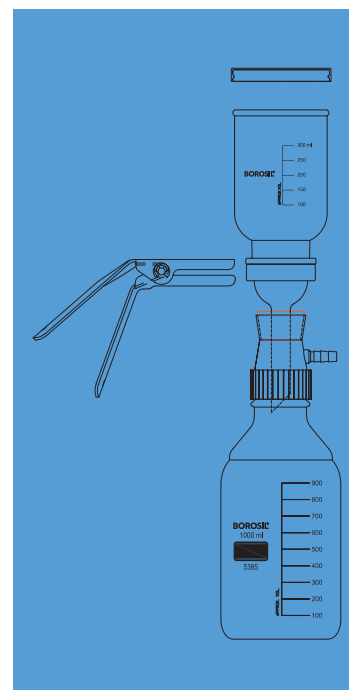
With GL 45 Universal Adapter, 47mm

- The universal adaptor will connect directly to GL 45 bottle
- The final filtrate will be collected directly in a screw cap bottle and there is no need to transfer the filtrate again into a new container for storage
- Entire assembly consists of:
 1. Glass Funnel - Capacity: 300 ml / 1000 ml
 2. Filter Support Base with sintered glass filter - 47 mm
 3. GL 45 Filtration Adaptor
 4. Glass Bottle with PP Screw cap - 1000 ml / 2000 ml
 5. Aluminium Clamp - 47 mm
 6. Effective filtration area - 9.6 cm² for 47 mm
- The GL 45 universal adapter is made of polypropylene and has a vacuum connection and GL 45 threads
- Aluminium spring clamp is anodised for longer life
- Ideal for filtration of HPLC solvents and aqueous mobile phase solutions, sterile filtration of media and buffers

Product Code	Funnel Capacity (ml)	Filtration Support base size (mm)	Filtration adapter	Glass Bottle (ml)	Aluminium Clamp	Qty per case
5385029	300ml	47	GL 45	1000	47	1
5385030	300ml	47	GL 45	2000	47	1

Spares For 47 MM Filter Assembly

Product Code	Capacity / Size	Description
1501029	1000 ml	Glass Bottle with GL 45 screw cap
1501030	2000 ml	Glass Bottle with GL 45 screw cap
5350S01	300 ml	Glass Funnel
5360S02	47 mm	Filter Support Base
5350S03	47 mm	Aluminium Clamp
5385S01	GL 45	GL 45 Filtration Adapter



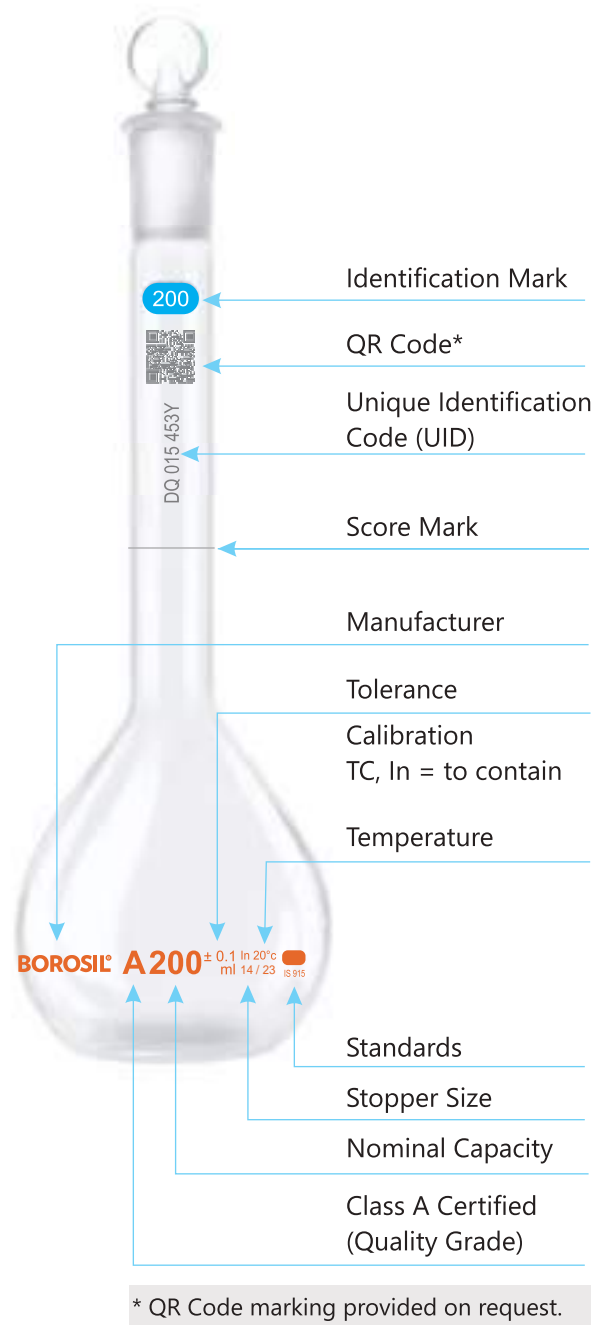
Volumetric Flask

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

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

- Individually calibrated with automatic calibration process
- Strict quality control through all steps eliminate possible deviations from nominal volume
- Supplied with individual certificate which can be downloaded from our website
- Volumetric Flasks are supplied with plastic or solid glass stopper





* QR Code marking provided on request.

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

Made from 3.3 Low Expansion Borosilicate Glass



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

- Volumetric Flasks
- Funnels
- Gas Generator
- Jars & Kettles

Calibration

- Every Volumetric Flask is calibrated on fully automatic computer controlled calibration machine, eliminating the manual error in reading the meniscus, thereby giving more accurate volume.
- Each Volumetric Flask is individually calibrated and is provided with Unique Identification Number (UID) and supplied with individual Certificate

Printing

- All Volumetric Flasks are printed with permanent amber colour
- The amber Volumetric Flasks are printed with white ceramic enamel
- Printing is done using advanced printing technology and high quality organic enamels and inks to ensure finest printing quality

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



BOROSIL®

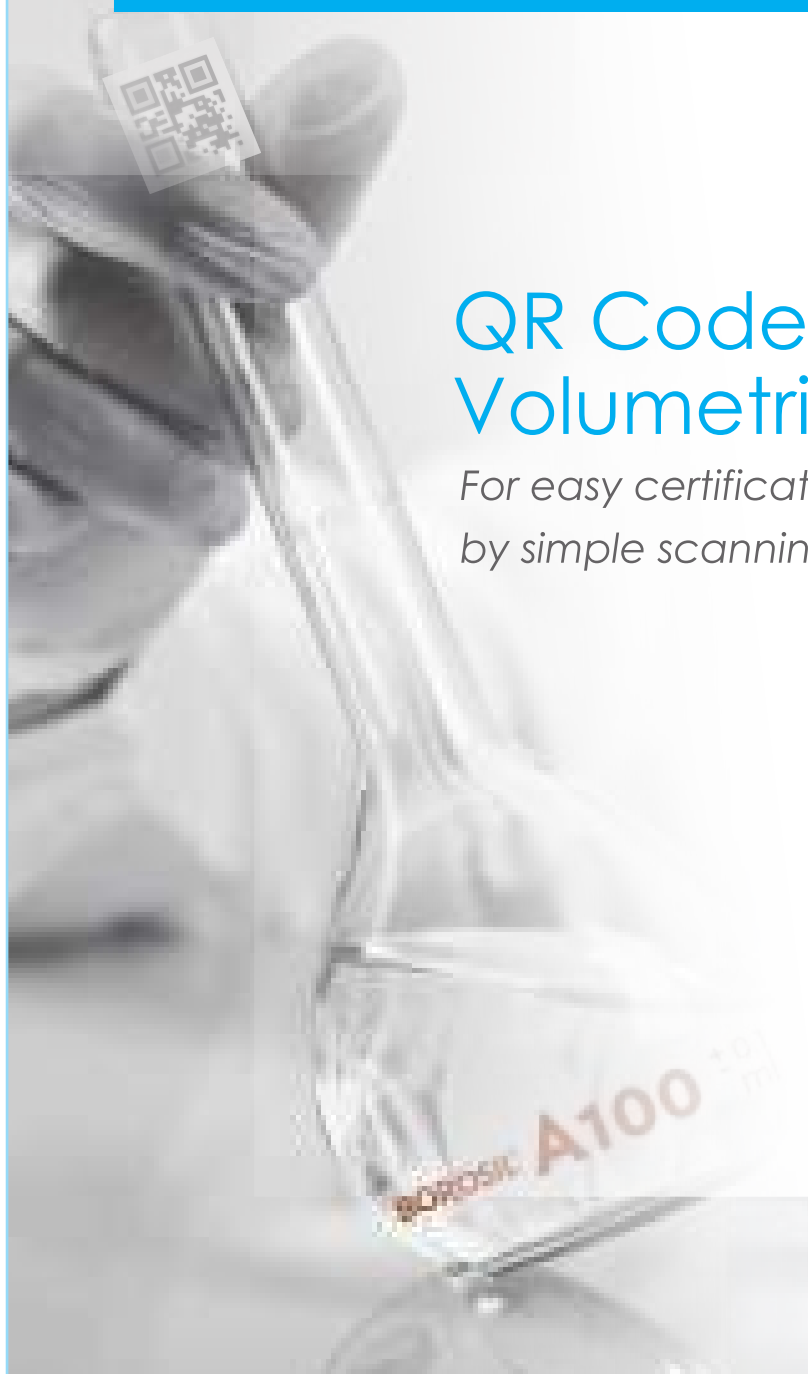
is right here with a solution

PROUDLY MADE IN 
india

Volumetric Flasks

QR Coded Volumetric Glassware

*For easy certificate download
by simple scanning of glassware*



How to download a Calibration Certificate using QR code ?

Borosil Scientific Mobile Application



- ▶ Download the the Borosil app from Android Playstore / iOS App Store
- ▶ Scan the QR code on the Volumetric Flask through your mobile and follow a few simple steps to download the Certificate

Borosil Scientific Website



- ▶ Logon to www.borosilscientific.com and enter the product certificate portal
- ▶ Scan the QR code on the Volumetric Flask using a 2D or 3D barcode scanner and follow a few simple steps to download the Certificate

Benefits of using QR coded Glassware

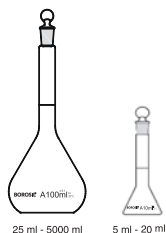
Permanent QR code marking with laser technology

QR code encodes the data required for identification and traceability of individual volumetric ware

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



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



5640 - VOLUMETRIC FLASKS

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

- Complies with DIN / ISO 1042, Accuracy as per class A
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber enamel inscriptions
- Calibrated & certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5640001A	5640001D	1	0.025	7 / 16	5
5640002A	5640002D	2	0.025	7 / 16	5
5640005A	5640005D	5	0.025	7 / 16	5
5640006A	5640006D	10	0.025	7 / 16	5
5640008A	5640008D	20	0.04	10 / 19	5
5640009A	5640009D	25	0.04	10 / 19	5
5640012A	5640012D	50	0.06	12 / 21	10
5640016A	5640016D	100	0.1	14 / 23	10
5640020A	5640020D	200	0.15	14 / 23	10
5640021A	5640021D	250	0.15	14 / 23	10
5640024A	5640024D	500	0.25	19 / 26	10
5640029A	5640029D	1000	0.4	24 / 29	10
5640030A	5640030D	2000	0.6	29 / 32	2
5640033A	5640033D	5000	1.2	34 / 35	1

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

Volumetric Flasks



5641 - VOLUMETRIC FLASKS

Class B, Narrow Mouth, Clear

- Complies with DIN / ISO 1042, Accuracy as per class B
- Supplied with interchangeable glass stopper
- Amber enamel inscriptions
- Calibrated at 20°C

Product Code	Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
5641001D	1	0.05	7 / 16	10
5641002D	2	0.05	7 / 16	10
5641005D	5	0.05	7 / 16	10
5641006D	10	0.05	7 / 16	10
5641008D	20	0.08	10 / 19	10
5641009D	25	0.08	10 / 19	10
5641012D	50	0.12	12 / 21	10
5641016D	100	0.20	14 / 23	10
5641020D	200	0.30	14 / 23	10
5641021D	250	0.30	14 / 23	10
5641024D	500	0.50	19 / 26	10
5641029D	1000	0.80	24 / 29	10
5641030D	2000	1.20	29 / 32	2
5641033D	5000	2.40	34 / 35	1

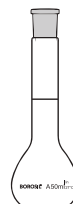
- 1 ml to 20 ml supplied with trapezoidal shape for better stability
 - Certified and Calibrated at 20°C
 - # Stopper size as per Borosil Design

5643 - WIDE MOUTH VOLUMETRIC FLASK

Wide Mouth Volumetric Flasks with Interchangeable PP

Stopper Class A, with Certificate

- Complies with DIN / ISO 1042, Accuracy as per class A
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber enamel inscriptions
- Specially designed wide mouth for testing bigger diameter tablet without making it in powder form
- Calibrated & certified at 20°C



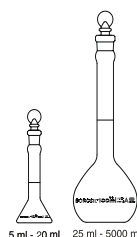
Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5643P05A	5643P05D	5	0.04	10 / 19	5
5643P06A	5643P06D	10	0.04	10 / 19	5
5643P08A	5643P08D	20	0.06	12 / 21	5
5643P09A	5643P09D	25*	0.06	14 / 23	5
5643T09A	5643T09D	25	0.06	12 / 21	5
5643P12A	5643P12D	50	0.1	14 / 23	10
5643P16A	5643P16D	100*	0.1	19 / 26	10
5643P20A	5643P20D	200*	0.15	19 / 26	10
5643P21A	5643P21D	250*	0.15	19 / 26	10
5643P29A	5643P29D	1000	0.6	29 / 32	10

- * Not covered in the standards
- 5 ml to 20 ml supplied with trapezoidal shape for better stability

5645 - VOLUMETRIC FLASKS, ASTM

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

- Complies fully with ASTM E 288 standards - For both dimensions as well as tolerance
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber enamel inscriptions
- Calibrated & certified at 20°C



Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5645S05A	5645005	5	0.02	9	5
5645S06A	5645006	10	0.02	9	5
5645S08A	5645008	20*	0.03	9	5
5645S09A	5645009	25	0.03	9	5
5645S12A	5645012	50	0.05	9	10
5645S16A	5645016	100	0.08	13	10
5645S20A	5645020	200	0.1	16	10
5645S21A	5645021	250	0.12	16	10
5645S24A	5645024	500	0.2	19	10
5645S29A	5645029	1000	0.3	22	10
5645S30A	5645030	2000	0.5	27	2

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- For Stopper dimensions refer page no. 36
- * Not covered in the standards

Volumetric Flasks



5645D - VOLUMETRIC FLASKS, USP

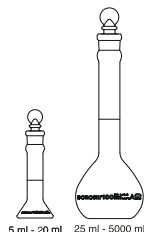
Volumetric Flasks with Interchangeable PP Stopper Accuracy as per Class A, USP (US Pharmacopoeia), with Certificate

- Tolerance complies to USP / ASTM E288 standards and dimensions as per ISO 1042 standards
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber enamel inscriptions
- Calibrated & certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5645L05A	5645L05D	5	0.02	7 / 16	5
5645L06A	5645L06D	10	0.02	7 / 16	5
5645P08A	5645P08D	20*	0.03	10 / 19	5
5645P09A	5645P09D	25	0.03	10 / 19	5
5645P12A	5645P12D	50	0.05	12 / 21	10
5645P16A	5645P16D	100	0.08	14 / 23	10
5645P20A	5645P20D	200	0.1	14 / 23	10
5645P21A	5645P21D	250	0.12	14 / 23	10
5645P24A	5645P24D	500	0.2	19 / 26	10
5645P29A	5645P29D	1000	0.3	24 / 29	10
5645P30A	5645P30D	2000	0.5	29 / 32	2

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards

Volumetric Flasks



5647 - WIDE MOUTH VOLUMETRIC FLASKS, ASTM

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

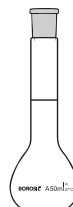
- Complies fully with ASTM E 288 standards - For both dimensions as well as tolerance
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber enamel inscriptions
- Specially designed wide mouth for testing bigger diameter tablets without making it in powder form
- Calibrated & certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5647S05A	5647005	5	0.08	13	5
5647S06A	5647006	10	0.08	13	5
5647S08A	5647008	20*	0.08	13	5
5647S09A	5647009	25	0.08	13	5
5647S12A	5647012	50	0.08	13	10
5647S16A	5647016	100	0.1	16	10
5647S20A	5647020	200	0.2	19	10
5647S21A	5647021	250	0.2	19	10

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards
- For Stopper dimensions refer page no. 36

5647D - WIDE MOUTH VOLUMETRIC FLASKS, USP

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



- Tolerance complies to ASTM E288 standards and dimensions as per ISO 1042 standards
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber enamel inscriptions
- Specially designed wide mouth for testing bigger diameter tablets without making it in powder form
- Calibrated & certified at 20°C

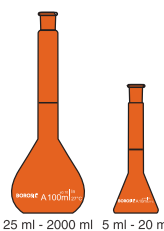
Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5647L05A	5647L05D	5	0.08	10 / 19	5
5647L06A	5647L06D	10	0.08	10 / 19	5
5647P08A	5647P08D	20*	0.08	12 / 21	5
5647P09A	5647P09D	25	0.08	12 / 21	5
5647P12A	5647P12D	50	0.08	14 / 23	10
5647P16A	5647P16D	100	0.1	19 / 26	10
5647P20A	5647P20D	200	0.2	19 / 26	10
5647P21A	5647P21D	250	0.2	19 / 26	10

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
 - * Not covered in the standards



5648 - VOLUMETRIC FLASKS, AMBER

Volumetric Flasks with Interchangeable PP Stopper Accuracy as per Class A, Amber, with Certificate



- Complies with DIN / ISO 1042, Accuracy as per class A
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions
- Calibrated & certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5648P05A	5648P05D	5	0.025	7 / 16	5
5648P06A	5648P06D	10	0.025	7 / 16	5
5648P08A	5648P08D	20	0.04	10 / 19	5
5648P09A	5648P09D	25	0.04	10 / 19	5
5648P12A	5648P12D	50	0.06	12 / 21	10
5648P16A	5648P16D	100	0.1	14 / 23	10
5648P20A	5648P20D	200	0.15	14 / 23	10
5648P21A	5648P21D	250	0.15	14 / 23	10
5648P24A	5648P24D	500	0.25	19 / 26	10
5648P29A	5648P29D	1000	0.4	24 / 29	10
5648P30A	5648P30D	2000	0.6	29 / 32	2

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



Volumetric Flasks



5649 - VOLUMETRIC FLASKS, AMBER

Volumetric Flasks with PP Stopper, Accuracy as per Class B, Amber

- Complies with DIN /ISO 1042, Accuracy as per class B
- Supplied with interchangeable glass stopper
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions
- Calibrated at 20°C

Product Code	Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
5649P05D	5	0.05	7 / 16	10
5649P06D	10	0.05	7 / 16	10
5649P08D	20	0.08	10 / 19	10
5649P09D	25	0.08	10 / 19	10
5649P12D	50	0.12	12 / 21	10
5649P16D	100	0.20	14 / 23	10
5649P20D	200	0.30	14 / 23	10
5649P21D	250	0.30	14 / 23	10
5649P24D	500	0.50	19 / 26	10
5649P29D	1000	0.80	24 / 29	10
5649P30D	2000	1.20	29 / 32	2

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



5650 - VOLUMETRIC FLASKS

Volumetric Flasks Sugar Estimation, without Stopper

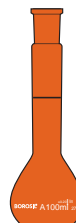
- Complies with BS 675
- Supplied without stopper
- A two mark flask designed for the analysis of sugar solutions. The two graduation marks provide dilution of 1 in 10

Product Code	Capacity ml	Tolerance ± ml	Quantity Per Case
5650016	100 / 110	0.15	20

5653 - WIDE MOUTH, VOLUMETRIC FLASKS, AMBER

Wide Mouth Volumetric Flasks with Interchangeable PP Stopper, Class A, Amber with Certificate

- Complies with DIN / ISO 1042, Accuracy as per class A
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions
- Specially designed wide mouth for testing bigger diameter tablet without making it in powder form
- Calibrated & certified at 20°C



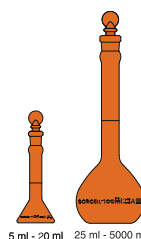
Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5653P05A	5653P05D	5	0.04	10 / 19	5
5653P06A	5653P06D	10	0.04	10 / 19	5
5653P08A	5653P08D	20	0.06	12 / 21	5
5653P09A	5653P09D	25*	0.06	14 / 23	5
5653T09A	5653T09D	25	0.06	12 / 21	5
5653P12A	5653P12D	50	0.1	14 / 23	10
5653P16A	5653P16D	100*	0.1	19 / 26	10
5653P20A	5653P20D	200*	0.15	19 / 26	10
5653P21A	5653P21D	250*	0.15	19 / 26	10
5653P29A	5653P29D	1000	0.6	29 / 32	10

- * Not covered in the standards
- 5 ml to 20 ml supplied with trapezoidal shape for better stability

5655 - VOLUMETRIC FLASKS, ASTM, AMBER

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

- Complies fully with ASTM E 288 standards - For both dimensions as well as tolerance
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions
- Calibrated & certified at 20°C



Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5655S05A	5655005	5	0.02	9	5
5655S06A	5655006	10	0.02	9	5
5655S08A	5655008	20*	0.03	9	5
5655S09A	5655009	25	0.03	9	5
5655S12A	5655012	50	0.05	9	10
5655S16A	5655016	100	0.08	13	10
5655S20A	5655020	200	0.11	6	10
5655S21A	5655021	250	0.12	16	10
5655S24A	5655024	500	0.2	19	10
5655S29A	5655029	1000	0.3	22	10
5655S30A	5655030	2000	0.5	27	2

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards
- For Stopper dimensions refer page no. 36



5655D - VOLUMETRIC FLASKS, USP, AMBER

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

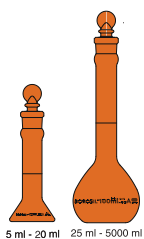
- Tolerance complies to ASTM E288 standards and dimensions as per ISO 1042 standards
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions
- Calibrated & certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5655L05A	5655L05D	5	0.02	7 / 16	5
5655L06A	5655L06D	10	0.02	7 / 16	5
5655P08A	5655P08D	20*	0.03	10 / 19	5
5655P09A	5655P09D	25	0.03	10 / 19	5
5655P12A	5655P12D	50	0.05	12 / 21	10
5655P16A	5655P16D	100	0.08	14 / 23	10
5655P20A	5655P20D	200	0.1	14 / 23	10
5655P21A	5655P21D	250	0.12	14 / 23	10
5655P24A	5655P24D	500	0.2	19 / 26	10
5655P29A	5655P29D	1000	0.3	24 / 29	10
5655P30A	5655P30D	2000	0.5	29 / 32	2

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

- * Not covered in the standards

Volumetric Flasks



5657 - WIDE MOUTH VOLUMETRIC FLASKS, ASTM, AMBER

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

- Complies fully with ASTM E 288 standards - For both dimensions as well as tolerance
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions
- Specially designed wide mouth for testing bigger diameter tablets without making it in powder form
- Calibrated & certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5657S05A	5657005	5	0.08	13	5
5657S06A	5657006	10	0.08	13	5
5657S08A	5657008	20*	0.08	13	5
5657S09A	5657009	25	0.08	13	5
5657S12A	5657012	50	0.08	13	10
5657S16A	5657016	100	0.1	16	10
5657S20A	5657020	200	0.2	19	10
5657S21A	5657021	250	0.2	19	10

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

- * Not covered in the standards

- For Stopper dimensions refer page no. 36

5657D - WIDE MOUTH VOLUMETRIC FLASKS, USP, AMBER

Wide Mouth Volumetric Flasks with Interchangeable PP Stopper, Accuracy As Class A, USP Amber with Batch Certificate

- Tolerance complies to ASTM E288 standards and dimensions as per ISO 1042 standards
- Supplied with Interchangeable Solid Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- White enamel inscriptions
- Specially designed wide mouth for testing bigger diameter tablets without making it in powder form
- Calibrated & certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Stopper Size	Quantity Per Case
Batch Certified	Individually Certified				
5657L05A	5657L05D	5	0.08	10 / 19	5
5657L06A	5657L06D	10	0.08	10 / 19	5
5657P08A	5657P08D	20*	0.08	12 / 21	5
5657P09A	5657P09D	25	0.08	12 / 21	5
5657P12A	5657P12D	50	0.08	14 / 23	10
5657P16A	5657P16D	100	0.1	19 / 26	10
5657P20A	5657P20D	200	0.2	19 / 26	10
5657P21A	5657P21D	250	0.2	19 / 26	10

- 5 ml to 20 ml supplied with trapezoidal shape for better stability
- * Not covered in the standards

2022 - VOLUMETRIC FLASKS, NABL

Volumetric flasks With Interchangeable PP Stopper, Accuracy as per Class A, with Certificate ISO 1042

- Complies with DIN / ISO 1042, Accuracy as per class A
- Supplied with Interchangeable Glass Stopper
- Each flask is marked with individual serial number and supplied with certificate of calibration traceable to National standards
- Amber enamel inscriptions
- Calibrated & certified at 20°C

Product Code	Capacity ml	Tolerance ± ml	New Stopper Size	New Quantity Per Case
2023001	1	0.025	7 / 16	1
2023002	2	0.025	7 / 16	1
2023005	5	0.025	10 / 19 #	1
2023006	10	0.025	10 / 19 #	1
2023008	20	0.04	10 / 19	1
2023009	25	0.04	10 / 19	1
2023012	50	0.06	12 / 21	1
2023016	100	0.10	14 / 23	1
2023020	200	0.15	14 / 23	1
2023021	250	0.15	14 / 23	1
2023024	500	0.25	19 / 26	1
2023029	1000	0.40	24 / 29	1
2023030	2000	0.60	29 / 32	1

- 1 ml to 20 ml supplied with trapezoidal shape for better stability
- Volumetric flasks with old stopper sizes - Available till stocks last
- # Stopper size as per Borosil Design



Volumetric Flasks



8100 - Glass Stoppers

Interchangeable Ground Joint, Solid, ISO / DIN, Penny head, Clear

Product Code	Stopper Number	Interchangeable Joint Size	Quantity Per Case
ISO / DIN Standard (Long Neck)			
8100A10	–	10 / 19	20
8100A12	–	12 / 21	20
8100A14	–	14 / 23	20
8100A19	–	19 / 26	20
8100A24	–	24 / 29	20
8100A29	–	29 / 32	20
8100A34	–	34 / 35	20



8110 - Glass Stoppers

ASTM, Penny head, Clear

Product Code	Stopper Number	Interchangeable Joint Size	Quantity Per Case
ASTM Standard (Short Neck)			
8110008	# 8	8.25 / 10	20
8110009	# 9	9.4 / 14	20
8110013	# 13	13.4 / 14	20
8110016	# 16	16.5 / 15	20
8110019	# 19	19.7 / 17	20
8110022	# 22	22.05 / 20.5	20
8110027	# 27	27.15 / 21.5	20

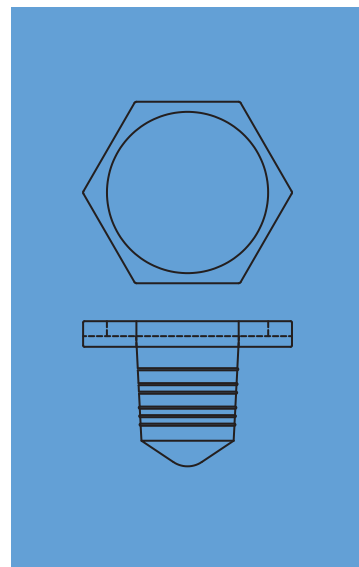
HSN Code : 70179090

8300 - PP STOPPERS

- Flat head, ISO standards

Product Code	Interchangeable Joint Size	Quantity Per Case
8300007	7 / 16	20
8300A10	10 / 19	20
8300012	12 / 21	20
8300A14	14 / 23	20
8300A19	19 / 26	20
8300A24	24 / 29	20
8300A29	29 / 32	20
8300A34	34 / 35	20

HSN Code : 39235010



8400 - Glass Stoppers

Interchangeable Ground Joint, Solid, ISO / DIN, Penny head, Amber

Product Code	Stopper Number	Interchangeable Joint Size	Quantity Per Case
ISO / DIN Standard (Long Neck)			
8400A10	–	10 / 19	20
8400A12	–	12 / 21	20
8400A14	–	14 / 23	20
8400A19	–	19 / 26	20
8400A24	–	24 / 29	20
8400A29	–	29 / 32	20
8400A34	–	34 / 35	20



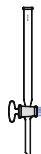
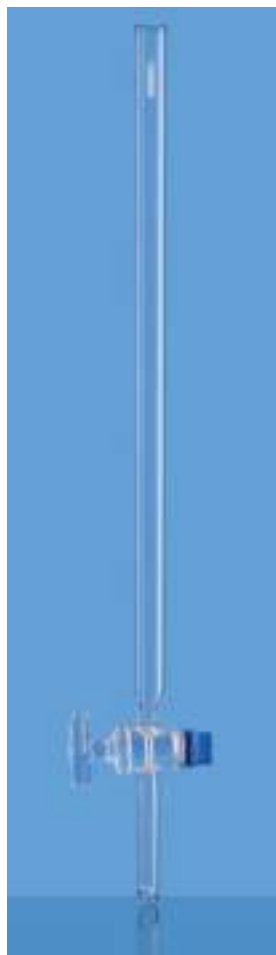
Volumetric Flasks

8410 - Glass Stoppers

ASTM, Penny head, Amber

Product Code	Stopper Number	Interchangeable Joint Size	Quantity Per Case
ASTM Standard			
8410008	# 8	8.25 / 10	20
8410009	# 9	9.4 / 14	20
8410013	# 13	13.4 / 14	20
8410016	# 16	16.5 / 15	20
8410019	# 19	19.7 / 17	20
8410022	# 22	22.05 / 20.5	20
8410027	# 27	27.15 / 21.5	20





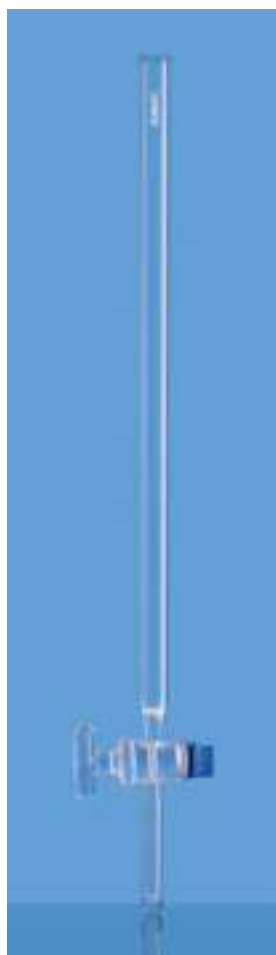
6100 - COLUMNS

Chromatography, Plain With Glass Stopcock

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

Product Code	Length mm	Bore Dia mm	Quantity Per Case
6100060	200	10	5
6100061	300	10	5
6100062	300	18	5
6100063	450	30	5
6100064	500	10	5
6100065	500	18	5
6100066	600	30	5
6100067	600	40	5
6100068	1000	40	4

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



6101 - COLUMNS

Chromatography, Plain With Sintered Disc And Glass Stopcock

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

Product Code	Length mm	Bore Dia mm	Quantity Per Case
6101060	200	10	5
6101061	300	10	5
6101062	300	18	5
6101063	450	30	5
6101064	500	10	5
6101065	500	18	5
6101066	600	30	5
6101067	600	40	5
6101068	1000	40	4

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

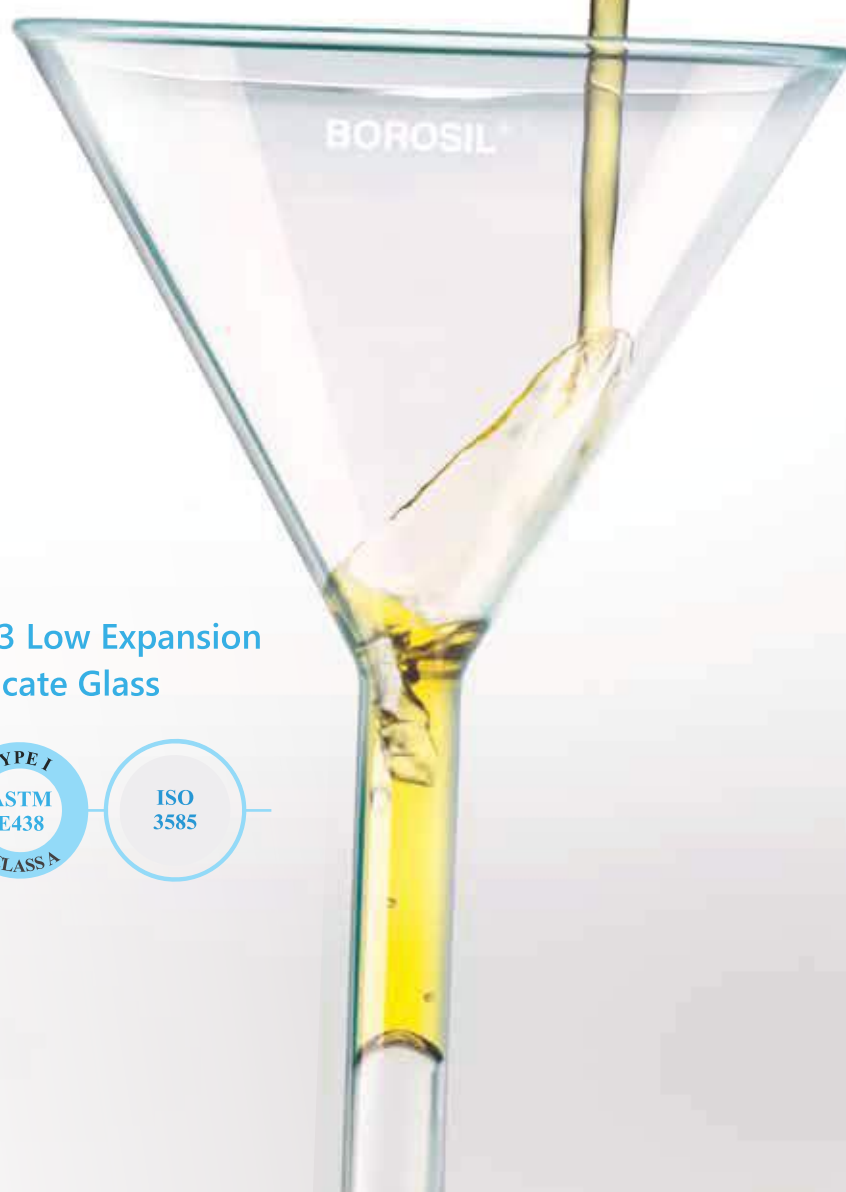
Funnels

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

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

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

Funnels



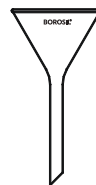
Made from 3.3 Low Expansion Borosilicate Glass



6140 - GLASS FILTER FUNNEL

Short Stem

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

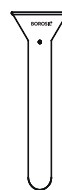


Product Code	Diameter mm	Stem		Quantity Per Case
		OD	Length	
6140057	25*	6	25	30
6140058	35	6	35	30
6140065	50*	8	50	20
6140069	65*	8	65	20
6140071	75	8	75	20
6140077	100	10	100	40

- * Not covered in standard

6150 - FUNNEL TEST TUBES

- Specially designed for soil testing laboratory

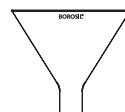


Product Code	Capacity ml	Quantity Per Case
6150007	15	10
6150010	30	10

6220 - POWDER FUNNEL

With Stem

- Designed with a short wide stem to facilitate smooth flow
- Ideal for transferring powders

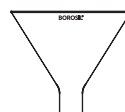


Product Code	Capacity ml	Quantity Per Case
6220080	125	30
6220081	150	20
6220087	200	4
6220089	250	4

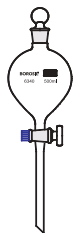
6230 - POWDER FUNNEL

Stem With Cone

- Supplied with ground glass cone for easy fitting on flask
- Designed with a short wide stem to facilitate smooth flow
- Ideal for transferring powders



Product Code	Capacity ml	Quantity Per Case
6230080	125	20
6230081	150	20
6230087	200	4
6230089	250	4

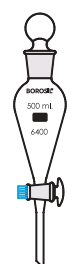


6340 - SEPARATING FUNNEL, GLOBE SHAPE

With Glass Stopcock & I/C Glass Stopper

- Designed with globe shape and with a stem
- Generally used in the separation phase

Product Code	Capacity ml	Stopper Size	Quantity Per Case
6340017	125	19 / 26	10
6340021	250	24 / 29	10
6340024	500	24 / 29	10
6340029	1000	29 / 32	5
6340030	2000	29 / 32	10
6340033	5000	34 / 35	1



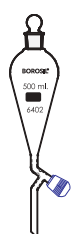
6400 - SEPARATING FUNNEL, PEAR SHAPE

With Glass Stopcock & I/C Glass Stopper

- Complies with IS 1575, DIN / ISO 4800
- Designed with pear shape and with a stem
- Generally used in the separation phase

Product Code	Capacity ml	Stopper Size	Quantity Per Case
6400013	60*	14 / 23	10
6400017	125*	19 / 26	10
6400021	250	24 / 29	10
6400024	500	24 / 29	10
6400029	1000	29 / 32	10
6400030	2000	29 / 32	10

* Not covered in standards.



6402 - SEPARATING FUNNEL, PEAR SHAPE

With Boroflo Stopcock And I/C Glass Stopper

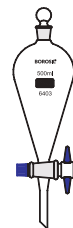
- Complies with IS 1575, DIN / ISO 4800
- Designed with pear shape and with a stem
- Generally used in the separation phase

Product Code	Capacity ml	Stopper Size	Quantity Per Case
6402013	60*	14 / 23	10
6402017	125*	19 / 26	10
6402021	250	24 / 29	10
6402024	500	24 / 29	10
6402029	1000	29 / 32	10
6402030	2000	29 / 32	10

* Not covered in standards.

6403 - SEPARATING FUNNEL, PEAR SHAPE, With PTFE Stopcock And I/C Glass Stopper

- Complies with IS 1575, DIN / ISO 4800
- Designed with pear shape and with a stem
- Generally used in the separation phase



Product Code	Capacity ml	Stopper Size	Quantity Per Case
6403017	125*	19 / 26	10
6403021	250	24 / 29	10
6403024	500	24 / 29	10
6403029	1000	29 / 32	10
6403030	2000	29 / 32	10

* Not covered in standards.



6405 - PRESSURE EQUILISING CYLINDRICAL FUNNEL With PTFE Stopcock

- Supplied with polypropylene stopper
- Equipped with totally grease free and self lubricating PTFE stopcock



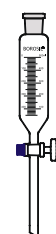
Product Code	Capacity ml	Socket	Cone	Quantity Per Case
6405012	50	19 / 26	19 / 26	5
6405016	100	19 / 26	19 / 26	5
6405021	250	24 / 29	24 / 29	5
6405024	500	24 / 29	24 / 29	5



Funnels

6408 - DROPPING FUNNEL, Graduated With Glass Stopcock

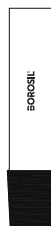
- Complies with IS 1575, DIN / ISO 4800
- Supplied with glass stopcock



Product Code	Capacity ml	Stopper Size	Quantity Per Case
6408012	50	14 / 23	5
6408016	100	19 / 26	5
6408021	250	24 / 29	5
6408024	500	24 / 29	5
6408029	1000	29 / 32	5

* Not covered in standards.





6560 - PLAIN SHANK SINGLE CONE

- Complies to DIN 12249
- Joints are made with precision grinding

Product Code	Cone Joint Size	Total Length	Quantity Per Case
6560010	10 / 19	120	5
6560012	12 / 21	120	5
6560014	14 / 23	120	5
6560019	19 / 26	125	5
6560024	24 / 29	135	5
6560029	29 / 32	135	5
6560034	34 / 35	150	5
6560040	40 / 38*	150	5
6560045	45 / 40*	150	5
6560050	50 / 42*	150	5
6560055	55 / 44	150	5

* Not covered in standard

Cones



6561- PLAIN SHANK DOUBLE CONE

- Complies to DIN 12249
- Joints are made with precision grinding

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

6580 - PLAIN SHANK SINGLE SOCKET

- Complies to DIN 12249
- Joints are made with precision grinding



Product Code	Cone Joint Size	Total Length	Quantity Per Case
6580010	10 / 19	120	5
6580012	12 / 21	120	5
6580014	14 / 23	120	5
6580019	19 / 26	125	5
6580024	24 / 29	135	5
6580029	29 / 32	135	5
6580034	34 / 35	150	5
6580040	40 / 38	150	5
6580045	45 / 40	150	5
6580050	50 / 42	150	5
6580055	55 / 44	150	5



6581 - PLAIN SHANK DOUBLE SOCKET

- Complies to DIN 12249
- Joints are made with precision grinding



Product Code	Cone Joint Size	Total Length	Quantity Per Case
6581010	10 / 19	125	5
6581012	12 / 21	135	5
6581014	14 / 23	135	5
6581019	19 / 26	140	5
6581024	24 / 29	170	5
6581029	29 / 32	170	5
6581034	34 / 35	180	5
6581040	40 / 38	185	5



Gas Generator



6550 - GAS GENERATOR APPARATUS (KIPPS)

- Used to produce common gases
- Simple to operate and assemble
- Quick charging

Product Code	Capacity ml	Quantity Per Case
6550024	500	1
6550029	1000	1

Museum Jar

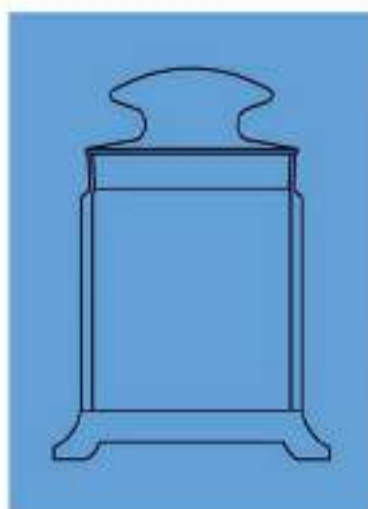


6910 - RECTANGULAR MUSEUM JAR With Lid

- Jar made of 3.3 low expansion borosilicate glass and lid made from sodalime glass
- Specially blown to give sturdiness and long life
- Top edges are flat ground
- Not recommended for use over a direct flame or on a hot plate
- For storage and display of preserved organs and organisms in Museums, Hospitals and Medical Colleges

Product Code	Approx Height x Length x Breadth mm	Quantity Per Case
6910M41	200 x 125 x 125	1
6910M42	200 x 150 x 100	1
6910M43	220 x 195 x 80	1
6910M44	250 x 165 x 140	1
6910M45	250 x 250 x 120	1
6910M46	360 x 150 x 100	1

Gas Generator,
Museum Jar



6912 - CYLINDRICAL MUSEUM JAR **NEW** With Lid

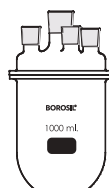
- Jar made of 3.3 low expansion borosilicate glass and lid made from sodalime glass
- Specially blown to give sturdiness and long life
- Not recommended for use over a direct flame or on a hot plate
- For storage and display of preserved organs and organisms in Museums, Hospitals and Medical Colleges

Product Code	Approx Height x Length (mm)	Quantity Per Case
6912M61	100 x 150	2
6912M62	115 x 200	2
6912M63	130 x 300	2
6912M64	150 x 300	2
6912M65	230 x 300	2

6947 - REACTION KETTLES ASSEMBLY

Resin Reaction

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



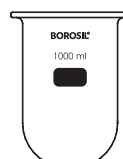
Product Code	Capacity ml	Body Dia mm	Height mm	Quantity Per Case Set
6947024	500	100	150	1
6947029	1000	110	175	1
6947030	2000	150	185	1
6947032	4000	150	340	1

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

6948 - BOTTOM FOR KETTLE REACTION ASSEMBLY

Only for Kettles Cat no. 6947

The base has a wide mouth that enables easy access for cleaning the interior
Flanges of the base are finely ground to ensure a tight seal



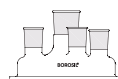
Gas Generator,
Museum Jar

Product Code	Capacity ml	Quantity Per Case
6948024	500	2
6948029	1000	2
6948030	2000	2
6948032	4000	2

6949 - COVER FOR KETTLE REACTION ASSEMBLY

Only for Kettles Cat No. 6947

- The covers have openings with interchangeable joints to facilitate rapid assembly with Condensers and Stirrers
- Flanges of the covers are finely ground to ensure a tight seal



Product Code	Capacity ml	Quantity Per Case
6949041	500 / 1000	2
6949042	2000 / 4000	2

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

Pipettes

Corning Pipettes are made from heavy-walled, machine drawn borosilicate glass tubing of precise bore sizes, to provide highest level of accuracy. The measurement of pipettes of capacities >1ml are tested with uniform OD for easy separation of liquid, adding rigidity additional strength to the pipettes.

- Individually calibrated by automatic calibration process
- Available in both Class A and Class B tolerances
- Individual certificate provided for Class A pipettes
- Custom markings made using food grade ink when required to facilitate accurate measurement
- Color coded in accordance with ISO standards to facilitate easy identification
- Chip resistors bevelled ground edges
- Pipettes can be autoclaved or flame sterilized as per requirement

Made from 3.3 Low Expansion
Borosilicate Glass





Manufacturer

Nominal Capacity

Tolerance

Calibrated (To) or Delivered

Use Temperature

Class A Certified / Quality Grade

Markings



Mohr Type
 Delivery from zero mark to the next graduation mark



Serological Type
 Delivery from zero mark to the tip

Zero Mark

Flow stops at the top indicate that piston can be lowered to deliver from total capacity

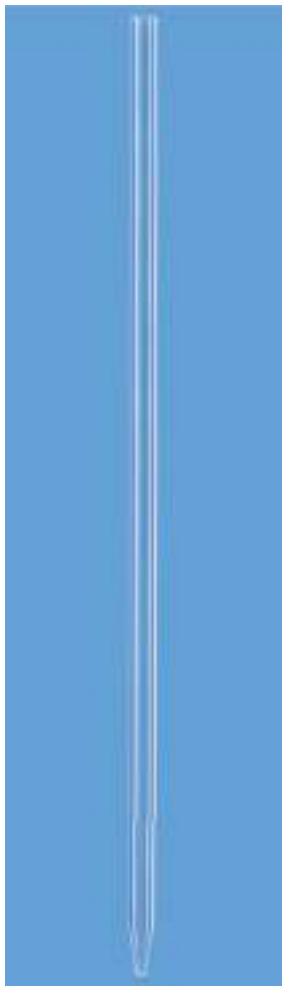


Pipette carefully tested to ensure proper flow rates. Tip edges are fire polished.



All pipettes are color-coded for quick identification.

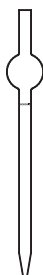
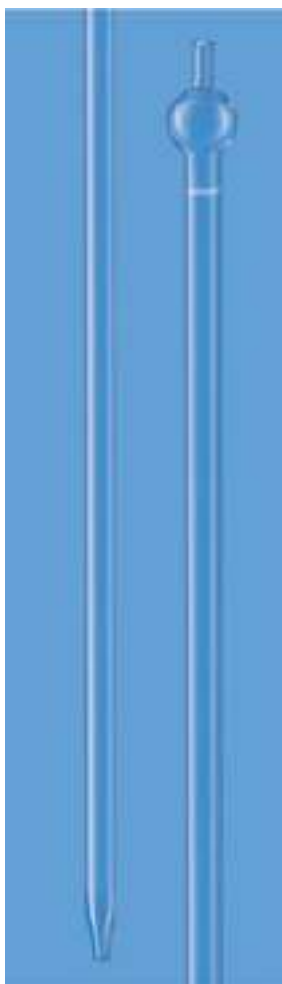
- Pipettes
- Weighing Scoop
- Tubes



7040 - ARTIFICIAL INSEMINATION PIPETTES

- Sturdy, strong and safe for repeated use
- It can be sterilised and cleaned easily
- Tapered tip for efficient use
- Ideal for artificial insemination in cattles

Product Code	Length mm	Quantity Per Case
7040162	450	60

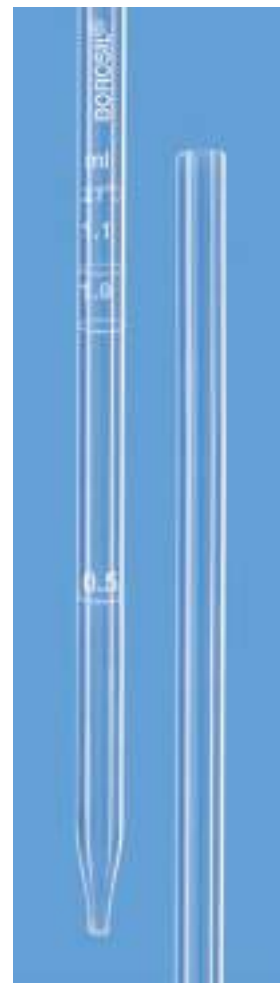


7041 - DRUM SAMPLING PIPETTE

Product Code	Length mm	Quantity Per Case
7041041	1000	4

7056 - MILK/BACTERIOLOGICAL PIPETTES

- Complies with IS 2025
- Available in two capacities - 1.1ml and 2.2 ml
- 1.1 ml is graduated at 0.5 to 1.1 ml
- 2.2 ml is graduated at 1.0, 2.0, 2.1 and 2.2 ml
- Used for the bacteriological examination of milk in dairy industries



Product Code	Capacity ml	Tolerance \pm ml	Quantity Per Case
7056101	1.1	0.025	10
7056102	2.2	0.040	10

7057 - GERBER MILK PIPETTES

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



Pipettes

Product Code	Capacity ml	Tolerance \pm ml	Quantity Per Case
7057P10	10.75	0.03	10

7058 - GERBER MILK PIPETTES with Certificate

- Provided with calibration certificate

Product Code	Capacity ml	Tolerance \pm ml	Quantity Per Case
7058P10	10.75	0.015	10

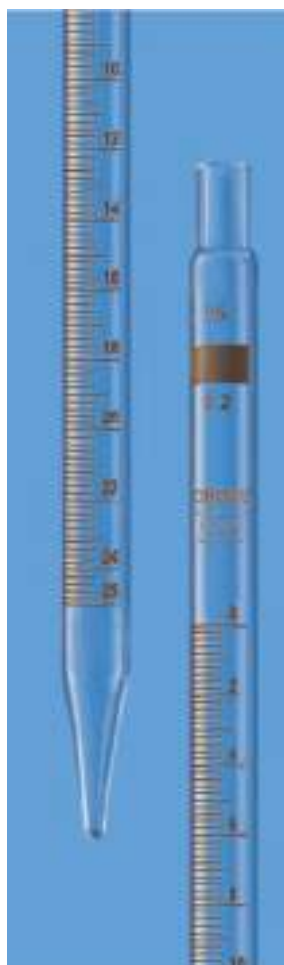


7059 - MOHR PIPETTES

Class A, with Individual Calibration Certificate

- Complies with IS, ISO 835, Type I
- Graduated for delivery from zero mark to the last graduation mark
- Supplied with individual calibration certificate showing actual volume dispensed and providing traceability to national standards
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Calibrated and certified at 20°C

Product Code		Capacity ml	Graduation Interval ml	Tolerance +/- ml	Quantity per Case
Batch Certified	Individually Certified				
7059P41A	7059P41D	0.1	0.01	0.006	10
7059P42A	7059P42D	0.2	0.01	0.006	10
7059P01A	7059P01D	1	0.01	0.007	10
7059P11A	7059P11D	1	0.10	0.007	10
7059P02A	7059P02D	2	0.02	0.01	10
7059P22A	7059P22D	2	0.10	0.01	10
7059P05A	7059P05D	5	0.05	0.03	10
7059P55A	7059P55D	5	0.10	0.03	10
7059P06A	7059P06D	10	0.10	0.05	10
7059P09A	7059P09D	25	0.20	0.10	10



7060 - MOHR PIPETTES

Class B

- Complies with IS, ISO 835, Type I
- Graduated for delivery from zero mark to the last graduation mark
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Calibrated at 20°C

Product Code	Capacity ml	Graduation Interval ml	Tolerance +/- ml	Quantity Per Case
7060P41D	0.1	0.01	0.01	20
7060P42D	0.2	0.01	0.01	20
7060P01D	1	0.01	0.01	20
7060P11D	1	0.10	0.01	20
7060P02D	2	0.02	0.02	20
7060P22D	2	0.10	0.02	20
7060P05D	5	0.05	0.05	20
7060P55D	5	0.10	0.05	20
7060P06D	10	0.10	0.10	20
7060P09D	25	0.20	0.20	20

7062 - MOHR PIPETTES

Class B, White Marking

- Complies with ISO 835
- Graduated for delivery from zero mark to the last graduation mark
- Graduation in white enamel for increased visibility against dark solutions
- Calibrated at 20°C



Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
7062P41D	0.1	0.01	0.01	20
7062P42D	0.2	0.01	0.01	20
7062P01D	1	0.01	0.01	20
7062P11D	1	0.10	0.01	20
7062P02D	2	0.02	0.02	20
7062P22D	2	0.10	0.02	20
7062P05D	5	0.05	0.05	20
7062P55D	5	0.10	0.05	20
7062P06D	10	0.10	0.10	20
7062P09D	25	0.20	0.20	20



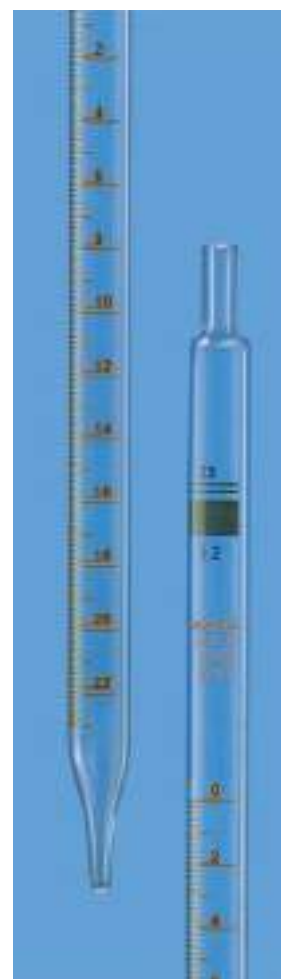
7079 - SEROLOGICAL PIPETTES

Class A, With Individual Calibration Certificate

- Complies with IS, ISO 835, Type III total delivery
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Supplied with individual calibration certificate showing actual volume dispensed and providing traceability to national standards
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Calibrated and certified at 20°C



Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified				
7079P41A	7079P41D	0.1	0.01	0.006	10
7079P42A	7079P42D	0.2	0.01	0.006	10
7079P01A	7079P01D	1	0.01	0.007	10
7079P11A	7079P11D	1	0.10	0.007	10
7079P02A	7079P02D	2	0.02	0.01	10
7079P22A	7079P22D	2	0.10	0.01	10
7079P05A	7079P05D	5	0.05	0.03	10
7079P55A	7079P55D	5	0.10	0.03	10
7079P06A	7079P06D	10	0.10	0.05	10
7079P09A	7079P09D	25	0.20	0.10	10



Pipettes



7080 - SEROLOGICAL PIPETTES

Class B

- Complies with IS, ISO 835
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Calibrated at 20°C

Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
7080P41D	0.1	0.01	0.01	20
7080P42D	0.2	0.01	0.01	20
7080P01D	1	0.01	0.01	20
7080P11D	1	0.10	0.01	20
7080P02D	2	0.02	0.02	20
7080P22D	2	0.10	0.02	20
7080P05D	5	0.05	0.05	20
7080P55D	5	0.10	0.05	20
7080P06D	10	0.10	0.10	20
7080P09D	25	0.20	0.20	20



7081 - SEROLOGICAL PIPETTES

Class A, USP, With Individual Calibration Certificate

- Complies with ASTM 1293 - 02
- These pipettes are graduated to the tip
- Two rings at the top indicate that the pipette is calibrated to deliver from any graduation line down to tip
- Supplied with individual calibration certificate showing actual volume dispensed and providing traceability to national standards
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Calibrated and certified at 20°C

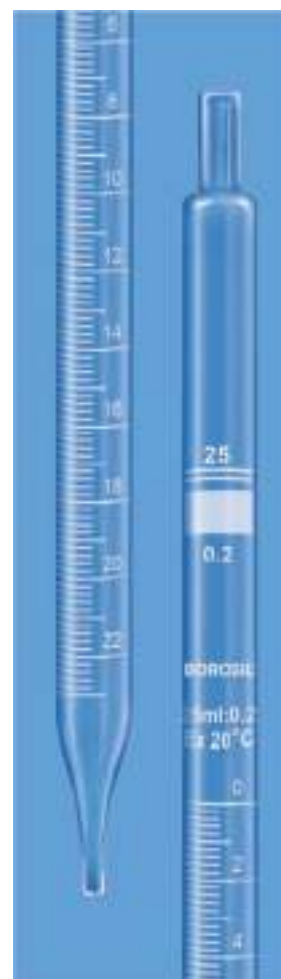
Product Code		Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified				
7081P01A	7081P01	1	0.01	0.01	10
7081P11A	7081P11	1	0.1	0.01	10
7081P22A	7081P22	2	0.1	0.01	10
7081P55A	7081P55	5	0.1	0.02	10
7081P06A	7081P06	10	0.1	0.03	10
7081P09A	7081P09	25	0.1	0.05	10

7082 - SEROLOGICAL PIPETTES

Class B, White marking

- Complies with IS, ISO 835
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Graduation in white enamel for increased visibility against dark solutions
- Calibrated at 20°C

Product Code	Capacity ml	Graduation Interval ml	Tolerance ± ml	Quantity Per Case
7082P41D	0.1	0.01	0.01	20
7082P42D	0.2	0.01	0.01	20
7082P01D	1	0.01	0.01	20
7082P11D	1	0.10	0.01	20
7082P02D	2	0.02	0.02	20
7082P22D	2	0.10	0.02	20
7082P05D	5	0.05	0.05	20
7082P55D	5	0.10	0.05	20
7082P06D	10	0.10	0.10	20
7082P09D	25	0.20	0.20	20



7100 - VOLUMETRIC PIPETTES

Class A, with Individual Calibration Certificate

- Complies with ISO 648
- Calibrated for delivery (TD, Ex)
- Each pipette coded with unique identification number (UID) and supplied with calibration certificate with traceability to national standards
- Generally used for accurate measurement and decanting of liquid
- Calibrated and certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified			
7100001A	7100001D	1	0.008	10
7100002A	7100002D	2	0.010	10
7100005A	7100005D	5	0.015	10
7100006A	7100006D	10	0.02	10
7100008A	7100008D	20	0.03	10
7100009A	7100009D	25	0.03	10
7100012A	7100012D	50	0.05	10
7100016A	7100016D	100	0.08	10



Pipettes



7101 - VOLUMETRIC PIPETTES

Class A, ASTM with Individual Calibration Certificate

- Complies with ASTM E-969-02
- Calibrated for delivery (TD, Ex)
- Each pipette coded with unique identification number (UID) and supplied with calibration certificate with traceability to national standards
- Generally used for accurate measurement and decanting of liquid
- Calibrated and certified at 20°C

Product Code		Capacity ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified			
7101001A	7101001	1	0.006	10
7101105A	7101105	1.5*	0.006	10
7101002A	7101002	2	0.006	10
7101205A	7101205	2.5*	0.01	10
7101003A	7101003	3	0.01	10
7101004A	7101004	4	0.01	10
7101005A	7101005	5	0.01	10
7101706A	7101706	6	0.01	10
7101707A	7101707	7	0.01	10
7101708A	7101708	8	0.02	10
7101709A	7101709	9	0.02	10
7101006A	7101006	10	0.02	10
7101007A	7101007	15	0.03	10
7101008A	7101008	20	0.03	10
7101009A	7101009	25	0.03	10
7101010A	7101010	30	0.03	10
7101011A	7101011	40	0.05	10
7101012A	7101012	50	0.05	10
7101016A	7101016	100	0.08	10

* As per Borosil standard



7102 - VOLUMETRIC PIPETTES

Class B

- Complies with ISO 648
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- Calibrated at 20°C

Product Code	Capacity ml	Tolerance ± ml	Quantity Per Case
7102001D	1	0.015	10
7102002D	2	0.02	10
7102005D	5	0.03	10
7102006D	10	0.04	10
7102008D	20	0.06	10
7102009D	25	0.06	10
7102012D	50	0.10	10
7102016D	100	0.15	10

* As per Borosil standard

7103 - VOLUMETRIC PIPETTES

Class B, ASTM

- Complies with ASTM E-969-02
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- Calibrated at 20°C



Till stock lasts			
Product Code	Capacity ml	Tolerance ± ml	Quantity Per Case
7103001	1	0.012	10
7103002	2	0.012	10
7103003	3	0.02	10
7103004	4	0.02	10
7103005	5	0.02	10
7103706	6	0.03	10
7103707	7	0.03	10
7103708	8	0.04	10
7103709	9	0.04	10
7103006	10	0.04	10
7103007	15	0.06	10
7103008	20	0.06	10
7103009	25	0.06	10
7103010	30*	0.06	10
7103011	40*	0.10	10
7103012	50	0.10	10
7103016	100	0.16	10

* As per Borosil standard

7106 - VOLUMETRIC PIPETTES

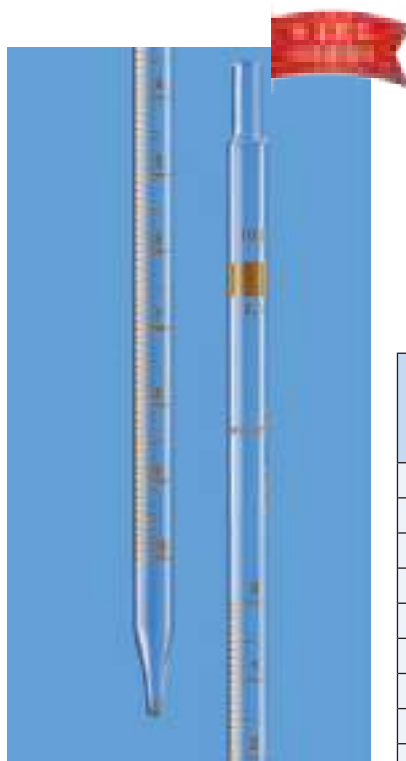
Class A, ASTM, Amber, with Individual Calibration Certificate

- Complies with ASTM E-969-02
- Calibrated for delivery (TD, Ex)
- Each pipette coded with unique identification number (UID) and supplied with calibration certificate with traceability to national standards
- Uniform amber colour protects liquids from light radiation with a wave-length between 300 nm and 500 nm
- Ideal for use with light-sensitive solutions
- Generally used for accurate measurement and decanting of liquid
- Calibrated and certified at 20°C



Pipettes

Product Code		Capacity ml	Tolerance ± ml	Quantity Per Case
Batch Certified	Individually Certified			
7106001A	7106001	1	0.006	10
7106002A	7106002	2	0.006	10
7106005A	7106005	5	0.010	10
7106006A	7106006	10	0.02	10
7106008A	7106008	20	0.03	10
7106009A	7106009	25	0.03	10
7106012A	7106012	50	0.05	10
7106016A	7106016	100	0.08	10

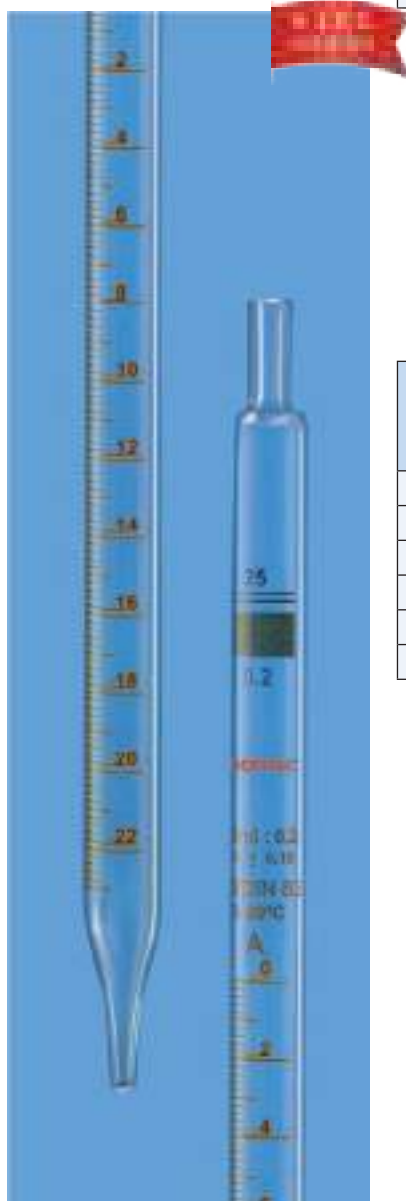


2031 - MOHR PIPETTES

NABL Certified, Class A

- Complies with IS, ISO 835, Type I
- Graduated for delivery from zero mark to the last graduation mark
- Supplied with individual NABL calibration certificate showing actual volume dispensed and providing traceability to national standards
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Calibrated & certified at 20°C

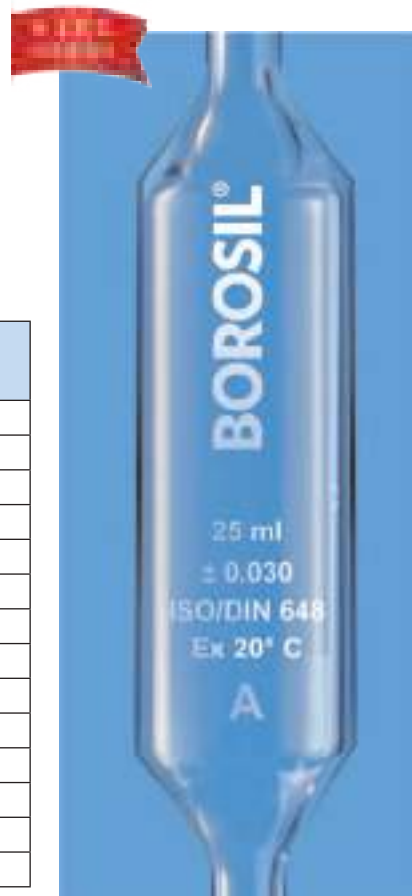
Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2031P41	0.1	0.01	0.006	1
2031P42	0.2	0.01	0.006	1
2031P01	1	0.01	0.007	1
2031P11	1	0.10	0.007	1
2031P02	2	0.02	0.01	1
2031P22	2	0.10	0.01	1
2031P05	5	0.05	0.03	1
2031P55	5	0.10	0.03	1
2031P06	10	0.10	0.05	1
2031 P09	25	0.20	0.10	1



2032 - Pipettes, Measuring (Serological Type), Accuracy as per Class A, with Certificate, ASTM 1293-02, NABL Certified

Product Code	Capacity ml	Graduation Interval ml	Tolerance \pm ml	Quantity Per Case
2032P01	1	0.01	0.01	10
2032P06	10	0.1	0.3	10
2032P09	25	0.1	0.5	10
2032P011	1	0.1	0.01	10
2032P022	2	0.1	0.01	10
2032P055	5	0.1	0.02	10

2041 - Pipettes, Transfer, Volumetric, Class A, ASTM E-969-02, NABL Certified



Product Code	Capacity ml	Tolerance ± ml	Quantity Per Case
2041001	1	0.006	10
2041002	2	0.006	10
2041003	3	0.01	10
2041004	4	0.01	10
2041005	5	0.01	10
2041006	6	0.01	10
2041007	7	0.01	10
2041008	8	0.02	10
2041009	9	0.02	10
2041006	10	0.02	10
2041007	15	0.03	10
2041008	20	0.03	10
2041011	40	0.05	10
2041012	50	0.058	10

Pipettes

Weighing Scoop

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



7200 - GLASS WEIGHING SCOOP

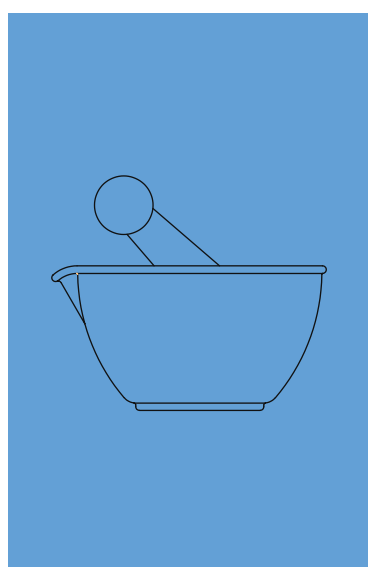
- Weighing scoops have an open tubular arm.
- Ideal for weighing small quantities of dyes and powders

Product Code	Capacity ml	Quantity Per Case
7200P45	0.5	10
7200001	1	10
7200002	2	10
7200003	3	10
7200076	6	10
7200006	10	10

Mortar and Pestle

Made of borosilicate glass for fine grinding of high purity substances

Weighing Scoop,
Mortar and Pestle



7210 - GLASS MORTAR AND PESTLE

Inside Rough

- Inside surface is made rough to ensure fine grinding
- Designed with pour out for which allows easy decanting of liquids

Product Code	Top Diameter mm	Height* mm	Quantity Per Case
7210040	80	60	2
7210041	100	75	2
7210042	150	110	2

* Height indicated is of mortar only

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

Tubes

7840 - FOLIN - WU BLOOD SUGAR TUBE

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



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
7840009	25	20 x 220	20



8060 - CENTRIFUGE TUBE

Plain

- Made of uniformly drawn high quality tubing for extended service life
- Designed with conical bottom for the higher density fraction collection at the bottom of the tube
- Consequently, even small amounts of solids can be collected and separated



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
8060007	15	17 x 120	100



8080 - CENTRIFUGE TUBE

Graduated

- Made of uniformly drawn high quality tubing for extended service life
- Designed with conical bottom for the higher density fraction collection at the bottom of the tube
- Consequently, even small amounts of solids can be collected and separated
- Graduated for greater precision



Product Code	Capacity ml	Approx O.D. x Length	Quantity Per Case
8080007	15	17 x 120	30
8080012	50	29 x 135	20

Amber colour Centrifuge tube available Product Code: 8081



Tubes

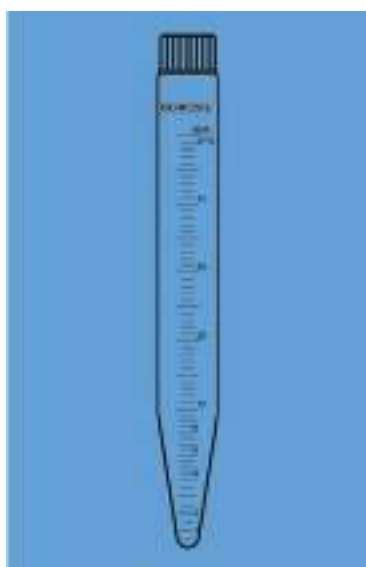


8084 - CENTRIFUGE TUBE

Graduated With I/C Glass Stopper

- Made of uniformly drawn high quality tubing for extended service life
- Designed with conical bottom for the higher density fraction collection at the bottom of the tube
- Consequently, even small amounts of solids can be collected and separated
- Graduated for greater precision
- Supplied with glass stopper

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
8084007	15	17 x 145	30
8084012	50	29 x 165	10



8090 - CENTRIFUGE TUBE

Graduated With PP Screw Cap

- Supplied with screw cap made of polypropylene
- Made of uniformly drawn high quality tubing for extended service life
- Designed with conical bottom for the higher density fraction collection at the bottom of the tube
- Consequently, even small amounts of solids can be collected and separated
- Graduated for greater precision

Product Code	Capacity ml	Approx O.D. x Length	Quantity Per Case
8090007	15	17 x 130	30
8090012	50	29 x 150	10

Amber colour Centrifuge tube available Product Code: 8091

8100 - Glass Stoppers

ISO / DIN, Penny head, Clear

Product Code	Stopper Number	Interchangeable Joint Size	Quantity Per Case
ISO / DIN Standard (Long Neck)			
8100A10	–	10 / 19	20
8100A12	–	12 / 21	20
8100A14	–	14 / 23	20
8100A19	–	19 / 26	20
8100A24	–	24 / 29	20
8100A29	–	29 / 32	20
8100A34	–	34 / 35	20



8110 - Glass Stoppers

ASTM, Penny head, Clear

Product Code	Stopper Number	Interchangeable Joint Size	Quantity Per Case
ASTM Standard (Short Neck)			
8110008	# 8	8.25 / 10	20
8110009	# 9	9.4 / 14	20
8110013	# 13	13.4 / 14	20
8110016	# 16	16.5 / 15	20
8110019	# 19	19.7 / 17	20
8110022	# 22	22.05 / 20.5	20
8110027	# 27	27.15 / 21.5	20



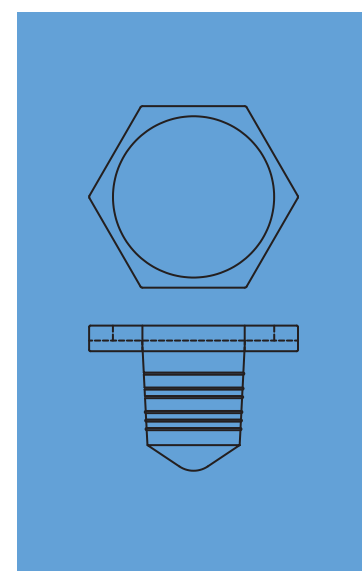
HSN Code : 70179090

8300 - Polypropylene (PP) Stoppers

- Flat head, ISO standard

Product Code	Interchangeable Joint Size	Quantity Per Case
8300007	7 / 16	20
8300A10	10 / 19	20
8300012	12 / 21	20
8300A14	14 / 23	20
8300A19	19 / 26	20
8300A24	24 / 29	20
8300A29	29 / 32	20
8300A34	34 / 35	20

HSN Code : 39235010



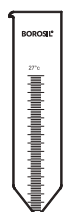


8320 - CENTRIFUGE TUBE HEAVY DUTY

With Spout, Plain, Short Conical Bottom

- Made of uniformly drawn high quality tubing with increased wall thickness
- Spout allows easy decanting of liquids
- Designed with conical bottom for the higher density fraction collection at the bottom of the tube

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
8320011	40	29 x 116	20



8340 - CENTRIFUGE TUBE HEAVY DUTY

With Spout, Graduated, Short Conical Bottom

- Made of uniformly drawn high quality tubing with increased wall thickness
- Spout allows easy decanting of liquids
- Designed with conical bottom for the higher density fraction collection at the bottom of the tube
- Graduated tubes for greater precision

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
8340011	40	29 x 116	20

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



8400 - Glass Stoppers

ISO / DIN, Penny head, Amber

Product Code	Stopper Number	Interchangeable Joint Size	Quantity Per Case
ISO / DIN Standard (Long Neck)			
8400A10	–	10 / 19	20
8400A12	–	12 / 21	20
8400A14	–	14 / 23	20
8400A19	–	19 / 26	20
8400A24	–	24 / 29	20
8400A29	–	29 / 32	20
8400A34	–	34 / 35	20

8410 - Glass Stoppers

ASTM, Penny head, Amber

Product Code	Stopper Number	Interchangeable Joint Size	Quantity Per Case
ASTM Standard			
8410008	# 8	8.25 / 10	20
8410009	# 9	9.4 / 14	20
8410013	# 13	13.4 / 14	20
8410016	# 16	16.5 / 15	20
8410019	# 19	19.7 / 17	20
8410022	# 22	22.05 / 20.5	20
8410027	# 27	27.15 / 21.5	20



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

Adapters

8800 - ENLARGING CONNECTING ADAPTERS

- An outer interchangeable joint at the top and a smaller inner interchangeable joint at the base
- These joints are made to the same precision as all Borosil Scientific ground joints



Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8800A01	19 / 26	14 / 23	5
8800A02	24 / 29	14 / 23	5
8800A03	24 / 29	19 / 26	5
8800A04	29 / 32	19 / 26	5
8800A05	29 / 32	24 / 29	5
8800A06	34 / 35	19 / 26	5
8800A07	34 / 35	24 / 29	5
8800A08	34 / 35	29 / 32	5



8820 - REDUCTION CONNECTING ADAPTERS

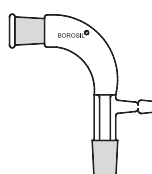
- An outer interchangeable joint at the top and a smaller inner interchangeable joint at the base
- These joints are made to the same precision as all Borosil Scientific ground joints.



Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8820A09	29 / 32	34 / 35	5
8820A10	14 / 23	19 / 26	5
8820A11	14 / 23	24 / 29	5
8820A13	19 / 26	29 / 32	5
8820A14	19 / 26	34 / 35	5
8820A15	24 / 29	29 / 32	5
8820A16	24 / 29	34 / 35	5
8820A17	29 / 32	40 / 38	5
8820A18	19 / 26	24 / 29	5



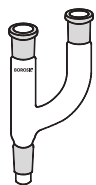
8830 - RECEIVER BENT ADAPTER WITH VACUUM CONNECTION



Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8830614	14 / 23	14 / 23	5
8830619	19 / 26	19 / 26	5
8830719	19 / 26	24 / 29	5
8830624	24 / 29	24 / 29	5
8830724	24 / 29	29 / 32	5
8830629	29 / 32	29 / 32	5

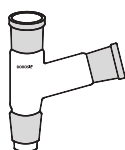


- Adapters
- Test Tubes
- Sintered Ware
- Quartz Ware



8831 - MULTIPLE ADAPTER With Two Parallel Necks

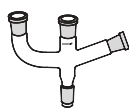
Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8831614	14 / 23	14 / 23	5
8831619	19 / 26	19 / 26	5
8831719	19 / 26	24 / 29	5
8831624	24 / 29	24 / 29	5
8831819	19 / 26	34 / 35	5
8831629	29 / 32	29 / 32	5



8832 - MULTIPLE ADAPTER With Two Necks

- With two neck - one Vertical & one at 45°

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8832619	19 / 26	19 / 26	5
8832719	19 / 26	24 / 29	5
8832819	19 / 26	34 / 35	5

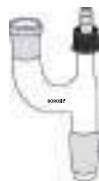


8833 - MULTIPLE ADAPTER With Three Necks

- With three necks - two parallel necks & one at 45°

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8833A19	19 / 26	24 / 29	5
8833B19	19 / 26	29 / 32	5
8833C19	19 / 26	34 / 35	5
8833D19	19 / 26	45 / 40	5

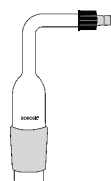
8834 - SWAN NECK ADAPTER



Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8834619	19 / 26	19 / 26	5
8834719	19 / 26	24 / 29	5
8834624	24 / 29	24 / 29	5
8834724	24 / 29	34 / 35	5



8835 - ADAPTER CONE / RUBBER TUBING



Product Code	Socket Joint Size	Quantity Per Case
8835A10	10 / 19	5
8835A14	14 / 23	5
8835A19	19 / 26	5
8835A24	24 / 29	5
8835A29	29 / 32	5



8836 - ADAPTER CONE - FLEXIBLE TUBING



Product Code	Socket Joint Size	Quantity Per Case
8836A14	14 / 23	5
8836A19	19 / 26	5
8836A24	24 / 29	5
8836A29	29 / 32	5
8836B10	10 / 19	5
8836B14	14 / 23	5
8836B19	19 / 26	5
8836B24	24 / 29	5
8836B29	29 / 32	5



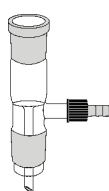
Adapters



8837 - ADAPTER RECEIVER

Straight Socket To Rubber

Product Code	Socket Joint Size	Quantity Per Case
8837A14	14 / 23	5
8837A19	19 / 26	5
8837A24	24 / 29	5
8837A34	34 / 35	5



8838 - ADAPTER RECEIVER

Straight With Vacuum

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8838614	14 / 23	14 / 23	5
8838714	14 / 23	19 / 26	5
8838814	14 / 23	24 / 29	5
8838619	19 / 26	19 / 26	5
8838719	19 / 26	24 / 29	5
8838624	24 / 29	24 / 29	5
8838724	24 / 29	29 / 32	5



8839 - ADAPTER RECEIVER

Bent With Vent

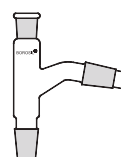
Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8839614	14 / 23	14 / 23	5
8839619	19 / 26	19 / 26	5
8839719	19 / 26	24 / 29	5
8839624	24 / 29	24 / 29	5
8839629	29 / 32	29 / 32	5

8840 - ADAPTER CONES SCREW THREAD



Product Code	Socket Joint Size	Quantity Per Case
8840A14	14 / 23	5
8840A19	19 / 26	5
8840A24	24 / 29	5
8840A29	29 / 32	5

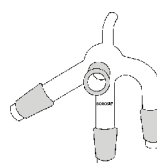
8841 - SLOPPING PLANE STILL HEAD



Product Code	Flask Cone	Cond. Cone	Socket	Quantity Per Case
8841610	10 / 19	10 / 19	10 / 19	5
8841614	14 / 23	14 / 23	14 / 23	5
8841619	19 / 26	19 / 26	14 / 23	5
8841819	19 / 26	19 / 26	19 / 26	5
8841724	24 / 29	19 / 26	14 / 23	5
8841624	24 / 29	24 / 29	19 / 26	5
8841729	29 / 32	19 / 26	14 / 23	5
8841629	29 / 32	29 / 32	14 / 23	5
8841634	34 / 35	19 / 26	14 / 23	5
8841734	34 / 35	24 / 29	14 / 23	5
8841834	34 / 35	34 / 35	14 / 23	5

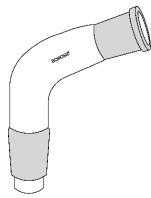
8844 - ADAPTER RECEIVER

Multiple Connectivity



Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8844614	14 / 23	14 / 23	5
8844714	14 / 23	19 / 26	5
8844619	19 / 26	19 / 26	5

Adapters



8845 - ADAPTER RECEIVER Plain Bent

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8845619	19 / 26	19 / 26	5
8845719	19 / 26	24 / 29	5
8845624	24 / 29	24 / 29	5
8845629	29 / 32	29 / 32	5



8846 - ADAPTER RECOVERY BENT With Sloping End

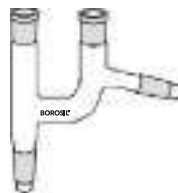
Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8846614	14 / 23	14 / 23	5
8846724	24 / 29	14 / 23	5
8846619	19 / 26	19 / 26	5
8846824	24 / 29	19 / 26	5
8846729	29 / 32	19 / 26	5
8846734	34 / 35	19 / 26	5
8846624	24 / 29	24 / 29	5
8846834	34 / 35	24 / 29	5
8846634	34 / 35	34 / 35	5



8847 - ADAPTER RECOVERY Bent Vertical

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8847614	14 / 23	14 / 23	5
8847619	19 / 26	19 / 26	5
8847724	24 / 29	14 / 23	5
8847624	24 / 29	24 / 29	5
8847629	29 / 32	29 / 32	5

8849 - CLAISEN HEAD SLOPING



Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8849614	14 / 23	14 / 23	5
8849619	19 / 26	19 / 26	5
8849724	24 / 29	19 / 26	5
8849624	24 / 29	24 / 29	5
8849629	29 / 32	29 / 32	5
8849734	34 / 35	24 / 29	5

8850 - ADAPTER RECEIVER

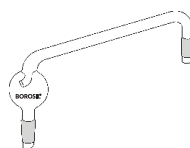
Plain Vertical



Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8850614	14 / 23	14 / 23	5
8850719	19 / 26	24 / 29	5
8850724	24 / 29	29 / 32	5

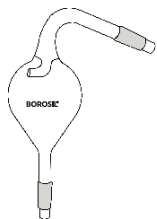
8851 - SPLASH HEAD

Vertical, Pear Shape



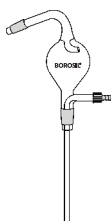
Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8851619	19 / 26	19 / 26	5
8851724	24 / 29	19 / 26	5
8851624	24 / 29	24 / 29	5
8851629	29 / 32	29 / 32	5

Adapters



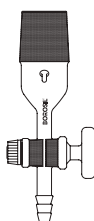
8852 - SPLASH HEAD SLOPING Pear Shape

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8852619	19 / 26	19 / 26	5
8852724	24 / 29	19 / 26	5
8852624	24 / 29	24 / 29	5
8852629	29 / 32	29 / 32	5



8853 - STEAM DISTILLATION HEADS

Product Code	Socket Joint Size	Cone Joint Size	Quantity Per Case
8853724	24 / 29	19 / 26	5
8853734	34 / 35	19 / 26	5
8853834	34 / 35	24 / 29	5



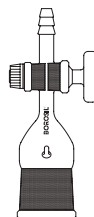
8854 - ADAPTOR Straight cone with stopcock

Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case
8854014	14 / 23	2	5
8854019	19 / 26	2	5
8854024	24 / 29	2	5
8854029	29 / 32	2	5
8854034	34 / 35	2	5

Adapters

8855 - ADAPTOR

Straight Socket With Stopcock



Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case
8855014	14 / 23	2	5
8855019	19 / 26	2	5
8855024	24 / 29	2	5
8855029	29 / 32	2	5
8855034	34 / 35	2	5

8856 - ADAPTOR

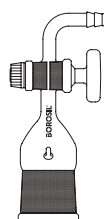
Bent Cone With Stopcock



Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case
8856014	14 / 23	2	5
8856019	19 / 26	2	5
8856024	24 / 29	2	5
8856029	29 / 32	2	5
8856034	34 / 35	2	5

8857 - ADAPTOR

Bent Socket With Stopcock



Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case
8857014	14 / 23	2	5
8857019	19 / 26	2	5
8857024	24 / 29	2	5
8857029	29 / 32	2	5
8857034	34 / 35	2	5

Adapters



8861 - THERMOMETER POCKET Long Type

Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case
8861014	14 / 23	2	10
8861019	19 / 26	2	10
8861024	24 / 29	2	10
8861029	29 / 32	2	10
8861034	34 / 35	2	10



8862 - THERMOMETER POCKET Short Type

Product Code	Cone Joint Size	Stopcock Bore mm	Quantity Per Case
8862014	14 / 23	2	10
8862019	19 / 26	2	10
8862024	24 / 29	2	10

Adapters

Still using
non-certified vials for
storage of expensive
working standards ?

BOROSIL[®]
Scientific
is right here with a solution



Certified Sampling and Storage Vials

*An ideal container for storage of
working standard solutions*



Made from 5.1 Low Expansion
Borosilicate Glass



Test Tubes



9800 - TEST TUBES

With Rim

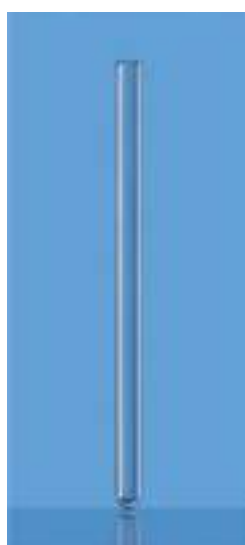
- Complies with IS 2618, DIN / ISO 4142
- Designed with a round bottom and a rim
- Made thick-walled, mechanically very resistant
- High thermal shock resistance



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
9800U01	3	10 x 75	800
9800U02	5	12 x 75	800
9800U03	7	12 x 100	800
9800U15	4	13 x 55*	800
9800U04	13	15 x 125	800
9800U05	15	15 x 150	400
9800U06	27	18 x 150	400
9800U07	38	25 x 100#	200
9800U08	55	25 x 150	200
9800U09	70	25 x 200	100
9800U10	100	32 x 200	50
9800U11	170	38 x 200	50

* IS : 3740 for tube widal

Not covered in the standard



9801 - TUBE FOR CULTURE COLLECTION

- Designed with a round bottom
- Thick walled and high mechanical resistance
- High thermal shock resistance
- Used for blood and microbial culturing

Product Code	Approx O.D. x Length mm	Quantity Per Case
9801U01	7 x 127	200

Test Tubes

9820 - TEST TUBES

Without Rim

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



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
9820U16	1	7 x 60*	800
9820U01	3	10 x 75***	800
9820U02	5	12 x 75**/***	800
9820U03	7	12 x 100***	800
9820U17	8	12 x 125***	800
9820U04	13	15 x 125	800
9820U05	15	15 x 150	400
9820U12	12	16 x 100***	800
9820U18	20	16 x 150***	400
9820U06	27	18 x 150	400
9820U19	25	19 x 125***	400
9820U07	38	25 x 100#	200
9820U08	55	25 x 150***	200
9820U09	70	25 x 200	100
9820U10	100	32 x 200	50
9820U11	170	38 x 200	50

* IS:3740 - 1966 for DURHAM FERMENTATION

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

*** IS:3740 - 1966 for BACTERIOLOGICAL TEST

Not covered in the standard



9821 - DISSOLUTION TUBE

Without Rim

- Designed with flat bottom and without rim
- High thermal shock resistance
- Used for pathological tests and disintegration apparatus



Product Code	Approx O.D. x Length mm	Quantity Per Case
9821U42	12 x 75	800
9821U61	18 x 100	400



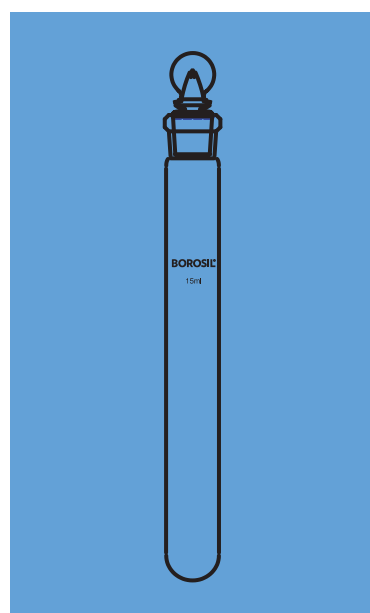
Test Tubes



9822 - DISSOLUTION TUBE With Rim

- Designed with flat bottom and with rim
- High thermal shock resistance
- Used for pathological tests and disintegration apparatus

Product Code	Approx O.D. x Length mm	Quantity Per Case
9822U04	14 x 110	800
9822U13	16 x 98	400
9822U07	18 x 55	100
9822U08	18 x 100	200
9822U06	18 x 138	400
9822U19	19 x 103	200



9829 - TEST TUBE

Plain, With I/C Glass Stopper

- Supplied with interchangeable glass stopper
- Made thick-walled, mechanically very resistant
- High thermal shock resistance

Product Code	Capacity ml	Approx O.D. x Length mm	Stopper Size	Quantity Per Case
9829006	10	17 x 160	10 / 19	10
9829007	15	19 x 150	14 / 23	10
9829008	20	19 x 160	14 / 23	10
9829010	30	25 x 155	19 / 26	10
9829012	50	25 x 200	19 / 26	10
9829016	100	34 x 210	24 / 29	10



9830 - GRADUATED TEST TUBE With I/C Glass Stopper

- Supplied with interchangeable glass stopper
- Graduations in amber enamel
- Made thick-walled, mechanically very resistant
- High thermal shock resistance
- These test tubes are graduated for greater precision

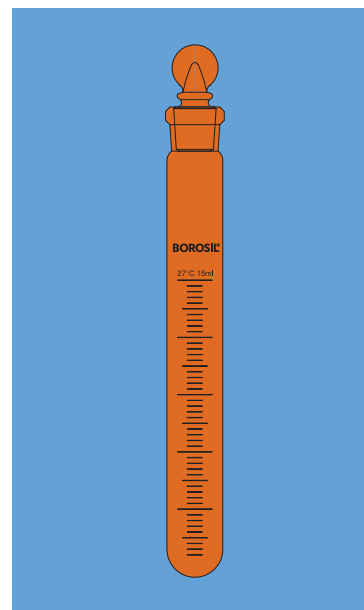
Product Code	Capacity ml	Approx O.D. x Length mm	Stopper Size	Quantity Per Case
9830006	10	17 x 160	10 / 19	10
9830007	15	19 x 150	14 / 23	10
9830008	20	19 x 160	14 / 23	10
9830010	30	25 x 155	19 / 26	10
9830012	50	25 x 200	19 / 26	10
9830016	100	34 x 210	24 / 29	10

9831 - GRADUATED TEST TUBE

With I/C Glass Stopper, Amber

- Supplied with interchangeable glass stopper
- Graduations in white enamel
- Amber coating on exterior surfaces to facilitate use with light sensitive solutions
- Made thick-walled, mechanically very resistant
- High thermal shock resistance
- These test tubes are graduated for greater precision

Product Code	Capacity ml	Approx O.D. x Length mm	Stopper Size	Quantity Per Case
9831006	10	17 x 160	10 / 19	10
9831007	15	19 x 150	14 / 23	10
9831008	20	19 x 160	14 / 23	10
9831010	30	25 x 155	19 / 26	10
9831012	50	25 x 200	19 / 26	10
9831016	100	34 x 210	24 / 29	10



9835 - COD DIGESTION TUBE

- Made from thick-walled and mechanically resistant borosilicate glass
- Used in COD disintegration

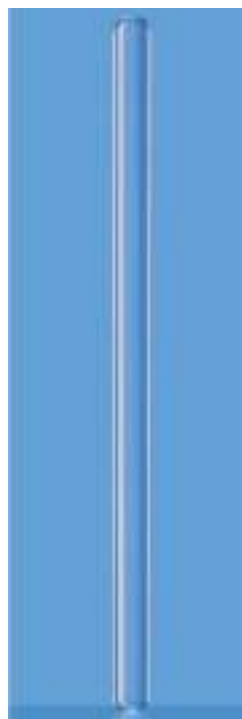


Product Code	Approx O.D. x Length mm	Quantity Per Case
9835A01	36 x 205	10
9835001	39 x 205	10



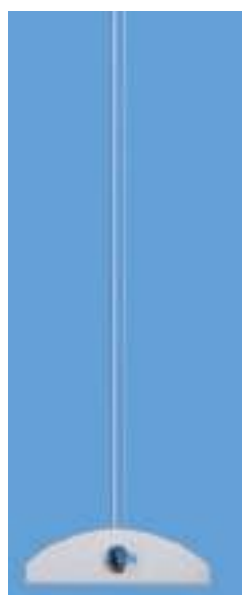
Stirrer Rod / Culture Tubes

Stirrers are used in laboratories for mixing of liquids and decanting the supernatants. Stir rods with blade helps in creating some turbulence and allows efficient mixing of solutions. BOROSIL Scientific stirrers are made of 3.3 borosilicate glass and equipped with a chemically inert PTFE blade to maintain the purity of substances while mixing.



9850 - GLASS STIRRER ROD

Product Code	Approx O.D. x Length mm	Quantity Per Case
9850107	7 x 150	20
9850207	7 x 205	20
9850307	7 x 255	20
9850407	7 x 305	20
9850109	9 x 150	20
9850209	9 x 205	20
9850309	9 x 255	20
9850409	9 x 305	20

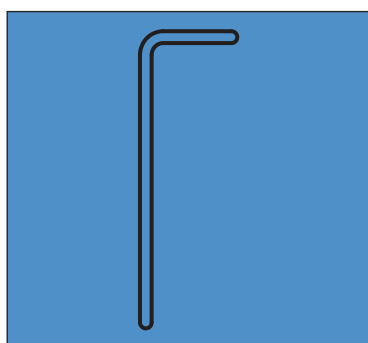


9860 - GLASS STIRRER ROD With PTFE Blade

- Provided with chemically inert PTFE blade
- Ideal for very sensitive samples
- Application in synthetic laboratory

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

Stirrer Rod /
Culture Tubes



9865 - GLASS L SHAPED SPREADER

- Made of 3.3 borosilicate glass
- Smooth glass surface hence no chances of agar layer disruption while spreading
- Easy to clean and autoclavable at 121°C
- Used for inoculating microbial cultures on agar plates

Product Code	Approx OD x Length mm	Quantity Per Case
9865683	6 x 150	100

9900 - CULTURE TUBES

Round Bottom, Clear, With PP Cap

- Supplied with polypropylene cap and PTFE Liner (except 150 ml), autoclavable at 121°C
- Designed with special caps to facilitate handling and sealing
- The ideal replacement for media culture bottles

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
9900005	5	16 x 75	100
9900006	10	16 x 125	100
9900010	30	25 x 100	100
9900012	50	25 x 150	50
9900013	60	25 x 200	50
9900018	150#	38 x 200	50

All caps are Polypropylene with PTFE liner, except 150 ml

#Blue colour cap without PTFE liner & autoclavable up to 140°C



9901 - CULTURE TUBES

Round Bottom, Amber, With PP Cap

- Supplied with polypropylene cap and PTFE Liner (except 150 ml), autoclavable at 121°C
- The uniform amber colour is highly durable and protects light sensitive media and solutions
- Designed with special caps to facilitate handling and sealing
- The ideal replacement for media culture bottles

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
9901005	5	16 x 75	100
9901006	10	16 x 125	100
9901010	30	25 x 100	100
9901013	60	25 x 200	50
9901018	150#	38 x 200	50

All caps are Polypropylene with PTFE liner, except 150 ml

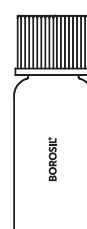
#Blue colour cap without PTFE liner & autoclavable up to 140°C



9910 - CULTURE TUBE

Flat Bottom, Clear, With PP Cap

- Supplied with polypropylene cap and PTFE Liner (except 150 ml), autoclavable at 121°C
- Designed with flat bottom for convenient storage and special caps to facilitate handling and sealing
- The ideal replacement for for Bijou, Mc Cartney and universal bottles



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
9910005	5	16 x 50	100
9910006	10	25 x 50	100
9910007	15	25 x 57	100
9910008	20	25 x 72	100
9910010	30	25 x 95	100
9910012	50	25 x 145	50



Stirrer Rod /
Culture Tubes



9911 - CULTURE TUBE

Flat Bottom, Amber, With PP Cap

- Supplied with polypropylene cap and PTFE Liner (except 150 ml), autoclavable at 121°C
- The uniform amber colour is highly durable and protects light sensitive media and solutions
- Designed with flat bottom for convenient storage and special caps to facilitate handling and sealing
- The ideal replacement for for Bijou, Mc Cartney and universal bottles

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
9911005	5	16 x 50	100
9911006	10	25 x 50	100
9911007	15	25 x 57	100
9911008	20	25 x 72	100
9911010	30	25 x 95	100



9913 - CERTIFIED SAMPLING & STORAGE VIALS

- Made of 5.1 expansion borosilicate glass conforming to USP type I, ASTM E438
- Supplied with high quality polypropylene cap with a PTFE liner, autoclavable at 121°C
- Write on patch for easy labelling and identification
- Complies glass composition and spectral transmission test as per USP chapter 660 USP 40 ad EP 9.0
- Packed in ISO "Class 8" clean room facility
- Supplied in amber and clear form
- Amber colour protects light sensitive materials
- Ideal for storage of working standards, sampling of raw materials, chemical and biological samples

Product Code	Capacity ml	Approx Mouth ID in mm	Dimension O.D. x Length in mm	Case Lot (MOQ)
9913003	3	10	16 x 36	1050
9913005	5	10	16 x 55	1050
9913006	10	16.5	24 x 50	600
9913007	15	16.5	24 x 58	600
9913008	20	16.5	24 x 70	600
9913010	30	16.5	24 x 95	600

9914 - CERTIFIED SAMPLING & STORAGE VIAL, CLEAR **NEW**

- Bullet points common for both 9913 and 9914

Product Code	Capacity ml	Approx Mouth ID in mm	Dimension O.D. x Length in mm	Case Lot (MOQ)
9914003	3	10	16 x 36	1050
9914005	5	10	16 x 55	1050
9914006	10	16.5	24 x 50	600
9914007	15	16.5	24 x 58	600
9914008	20	16.5	24 x 70	600
9914010	30	16.5	24 x 95	600



Stirrer Rod /
Culture Tubes

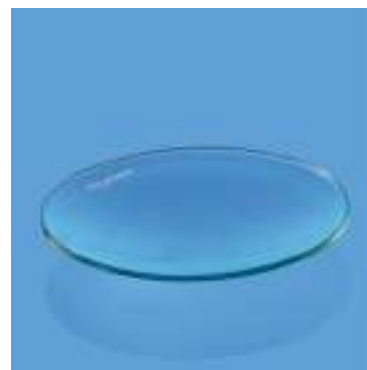
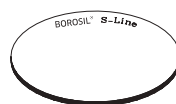
Watch Glass

Watch glasses are used most often in chemical laboratories for different applications such as evaporating liquids, weighing of substances, covers for beakers to prevent contamination. BOROSIL Scientific watch glass is designed with an optimum concave to suit these applications.

9986 - WATCH GLASSES

S - Line

- Made of sodalime glass
- A special process is used that results in an absolutely flat curved surface
- High clarity, free of bubbles
- All of them are moulded to the same radius of curvature for convenient stacking



Product Code	Size mm	Quantity Per Case
9986072	80	50
9986077	100	50
9986079	120	20
9986081	150	20

Sintered Ware

Technical Data

Borosil Sintered Glassware is used for filtration of liquids and gases in the laboratory. It has a non-corrosive and reusable porous glass disc as the filter media. It is also used for gas washing, dispersion and absorption.

The Sintered Disc is manufactured by crushing Borosil glass, and then powdering, cleaning and separating it into various mesh sizes, and finally, fusing it together in the form of a Disc. Sintered Discs are classified into 5 grades - G1, G2, G3, G4 and G5. The grades are defined in terms of the maximum pore size that is obtained by measuring the pressure at which the first air bubble breaks away from the filter, under specified conditions. The pressure differential is then used to calculate the equivalent capillary diameters in microns. The desired pore size is obtained by controlling the grain size, firing time, temperature and thickness of the Disc. Each Disc is tested and graded individually.

The pore diameters are reasonably uniform, which ensures the required flow rate through the filter. The flow rate further depends on the pressure differential between the two sides of the Disc, the free area of the Disc, viscosity of the fluid being filtered, and other factors. There is a fair amount of uniformity in the pore size of different Discs of the same size and grade. Hence, the results from two or more Discs of the same size and grade will be uniform, thereby ensuring reproducible analytical results.

The Discs have maximum surface hardness and hence, the glass powder does not get scraped off while cleaning or with chemicals. The filters do not shed particles during usage.

The Discs are sealed to tubing without blocking the pores. They are then annealed properly in automatically controlled Lehrs.

Porosity Grades And Their General Use

Porosity Grade	Pore Size (Microns)	General use
1	90-150	Filtration of coarse materials / precipitates, gas dispersion, gas washing, extractor bed, support for other filter materials.
2	40-90	Filtration of medium precipitates gas dispersion, gas washing.
3	15-40	Filtration of fine grain precipitates. Analytical work with medium precipitates. Mercury filtration
4	5-15	Analytical work with fine and very fine precipitates. Non return mercury valves.
5	1-2	Bacteriological filtration.

Chemical Durability

Borosil Sintered Ware is manufactured with the same high quality material of which all Borosil brand borosilicate laboratory glassware is made, ensuring excellent resistance to chemical attack.

Operating Pressure

Sintered Discs, and the glassware that incorporates them, are designed mainly for the application of vacuum or for passage of gases at relatively low pressure. In all cases, the differential pressure must not exceed 100 KN / m² (15 psi).

Thermal Limitations

Sintered Ware has a lower level of resistance to thermal shock as compared to standard Borosil glassware. Therefore, articles of Sintered Ware should not be subjected to excessive temperature changes or direct flames.

Borosil Sintered Crucibles are especially suitable for drying to constant weight. Dry Sintered Crucibles at room temperature, can be placed directly into a drying oven. Sintered Ware may safely be heated in a furnace to 500°C without any adverse effects, while ensuring that the cycle of heating and cooling is gradual. It is recommended that the rate of heating does not exceed 20°C/min. This prevents internal strains caused by excessive temperature differences between the surrounding glass vessel and the Sintered Disc that, in turn, can lead to fracture of the apparatus.

When cold and damp, Sintered Ware of porosity grades 4 and 5 should never be subjected to a sudden temperature change as the evolution of steam may generate pressure within the filter, sufficient to crack it.

Filtration Apparatus should be kept on its rim (stem upwards) in an oven or steriliser. A perforated support base is advantageous for air convection in case of pipeline filters. By using heat insulating material such as asbestos, care should be taken to avoid premature heating near the filter seal. The apparatus should remain in the oven or steriliser during cooling, to prevent excessively fast cooling.

Cleaning Of Sintered Ware

New Sintered Filters should be washed carefully with hot hydrochloric acid, and then rinsed with distilled water before use. Such treatment ensures that all loose particles are removed from the Filter.

It is advisable to clean all Sintered Filters thoroughly, immediately after use, as cleaning is easiest at this time, and it also reduces the risk of contamination in the next use.

Many precipitates can be removed from the filter by back-flushing with water. However, great care must be taken with large diameters and fine filters, as positive pressures on the reverse side may break the filter.

Under no circumstances should Sintered Apparatus be subjected to mains water pressure when back-flushing, as in most instances this leads to fractured filters.

Drawing water through the filter from the reverse side, by means of a vacuum pump, is also effective.

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

Some precipitates that clog the filter may be removed by chemical cleaning, as indicated below:

- **Fats and grease**
Carbon tetrachloride or suitable organic solvent
- **Albumen glucose:**
Hot ammonia or hydrochloric acid, mixture of hot concentrated sulphuric and nitric acids
- **Organic substances :**
'Chromic' acid cleaning solution* or concentrated sulphuric acid containing a little potassium nitrate or perchlorate (0.5%) (may need to be soaked overnight)
- **Copper or iron oxide :**
Hot concentrated hydrochloric acid with potassium chlorate.
- **Barium sulphate :**
Hot concentrated sulphuric acid
- **Mercury Residues :**
Hot concentrate nitric acid
- **Mercury Sulphide :**
Hot aqua regia
- **Silver chloride :**
Ammonia or sodium hyposulphite
- **Stannic oxide :**
Boiling sulphuric acid**

Alumina or silica residues :

2% hydrofluoric acid followed by concentrated sulphuric acid. Rinse immediately with distilled water and then with acetone. Continue rinsing until no trace of acid remains.

High concentrations of hydrofluoric acid, hot phosphoric acid or caustic alkali solutions should never be used for cleaning. Using these causes a rapid deterioration in the filter and an increase in pore size.

* For bacteriological, pharmaceutical and biological work, 'chromic' acid cleaning solution should be avoided in view of the biological effect of chromium ions.

** Boiling sulphuric acid may introduce undue thermal strain. It is therefore advisable to leave the item in the acid to cool.



36060 - BUCHNER FUNNEL

With Sintered Disc

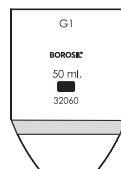
- Made of 3.3 borosilicate glass
- Especially useful where the filter paper may be attacked by filtered material
- Generally used in qualitative inorganic analysis and preparative chemistry
- Resistant to corrosion and heat

Product Code	Capacity ml	Porosity Grade	Dia of Disc mm	Approx Height mm	Stem Dia mm	Quantity Per Case
3606058	35	1	30	130	8	5
3606658	35	2	30	130	8	5
3606758	35	3	30	130	8	5
3606858	35	4	30	130	8	5
3606958	35	5	30	130	8	5
3606072	80	1	35	142	8	5
3606672	80	2	35	142	8	5
3606772	80	3	35	142	8	5
3606872	80	4	35	142	8	5
3606972	80	5	35	142	8	5
3606020	200	1	68	215	13	5
3606620	200	2	68	215	13	5
3606720	200	3	68	215	13	5
3606820	200	4	68	215	13	5
3606920	200	5	68	215	13	5
3606024	500	1	92	258	17	2
3606624	500	2	92	258	17	2
3606724	500	3	92	258	17	2
3606824	500	4	92	258	17	2
3606924	500	5	92	258	17	2
3606029	1000	1	124	276	19	2
3606629	1000	2	124	276	19	2
3606729	1000	3	124	276	19	2
3606829	1000	4	124	276	19	2
3606929	1000	5	124	276	19	2

32060 - GOOCH CRUCIBLE

Low Form, With Sintered Disc

- Made of 3.3 borosilicate glass
- Particularly adapted to analytical work where precipitates are dried to constant weight at 110°C
- Crucibles should not be subjected to sudden temperature changes
- In order to avoid strain, they should not be removed from the furnace until the temperature has dropped to 250°C
- Gooch Crucible is used for metal casting and analysis



Product Code	Capacity ml	Porosity Grade mm	Dia of Disc mm	Approx Height	Quantity Per Case
3206007	15	1	20	50	10
3206607	15	2	20	50	10
3206707	15	3	20	50	10
3206807	15	4	20	50	10
3206907	15	5	20	50	10
3206010	30	1	30	60	10
3206610	30	2	30	60	10
3206710	30	3	30	60	10
3206810	30	4	30	60	10
3206910	30	5	30	60	10
3206012	50	1	40	65	10
3206612	50	2	40	65	10
3206712	50	3	40	65	10
3206812	50	4	40	65	10
3206912	50	5	40	65	10

32061 - TUBE FOR GOOCH CRUCIBLE

- Made of 3.3 borosilicate glass
- Suitable for use with Borosil's Scientific Gooch Crucible with sintered disc



Product Code	Approx O.D. x Length mm	Quantity Per Case
3206127	27 x 150	5
3206136	36 x 160	5
3206156	56 x 170	10

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



Sintered Ware

BOROSIL[®]

Quartz Ware

Boron Free Transparent Silica

Borosil Fused Silica 99.95% SiO₂ surpasses all of the desirable chemical and weathering durability properties usually associated with opaque Silica ware. We manufacture as per IS and BS Standards.



a) There is little or no visible surface change or damage to silica with prolonged exposure to water, atmospheric gases, contaminants, oxide of nitrogen and ozone.

b) Attack does occur, on exposure to alkaline solution and acids at very high temperatures.

c) Low expansion and hence excellent dimensional stability and thermal shock resistance.



Resistant to chemical attack

Virtually unaffected by sulphuric, nitric and hydrochloric acids. Hot alkalis and certain metal oxides react on silica. It is attacked by hydrofluoric acid. At high temperatures, it is also attacked by phosphoric acid.

Continuous use of fused silica above 1000°C leads to devitrification with formation of cristobalite which is a crystalline phase and will lead to breakage on repeated use. For accurate and long use, it is advisable to wash the articles in distilled water and alcohol to remove trace impurities.

Heating fused quartz to elevated temperatures causes SiO₂ to undergo dissociation. Consequently, when flame-working fused quartz, there is a brand of haze or smoke which forms just outside the intensely heated region. This haze presumably forms because the SiO₂ recombines with oxygen from the air (and perhaps water) and condenses as extremely small particles of amorphous SiO₂.

Quartz Ware

Co-efficient of expansion 0°C to 800°C

5.5 X 10⁻⁷ cm / cm / °C

Softening Point

1685°C

Annealing Point

1200°C

Strain Point

1120°C

Operating Temp

1050°C

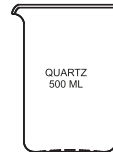
Electrical resistivity (at 350°C)

7 x 10⁷ ohm cm

1002 - QUARTZ LOW FORM BEAKER

With Spout

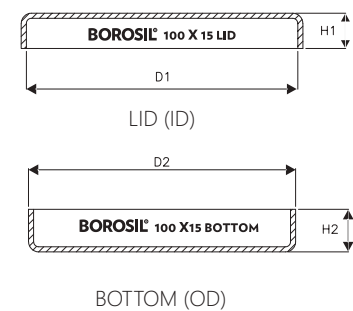
- Beaker with Spout for Clean Pouring
- Dimensional accuracy
- Tough construction
- Durability



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
1002009	25	35 x 45	5
1002012	50	40 x 58	5
1002016	100	50 x 75	5
1002018	150	55 x 88	5
1002021	250	70 x 95	1
1002024	500	85 x 115	1
1002029	1000	105 x 145	1

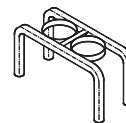
3164 - QUARTZ PETRI DISHES **NEW**

Product Code	Size mm	LID Approx I.D. (D1) x Height (H1) mm	Bottom Approx O.D. (D2) x Height (H2) mm	Quantity Per Case
3164077	100 x 17	103 x 15	100 x 17	



3175 - QUARTZ MUFFLE TRAYS

- Perfect finish
- Sturdiness
- Durability
- Holes: 2/4



Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
3175041	2 Holes	39	1
3175042	4 Holes	76	1



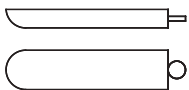
Quartz Ware



3185 - QUARTZ ROUND DISHES/BASINS With Spout

- Round with Spout
- Perfect finish
- Accurate dimensions
- Longer life span

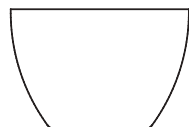
Product Code	Approx O.D. x Height mm	Nominal Capacity ml	Quantity Per Case
3185008	55 x 23	20	10
3185042	75 x 27	45	5
3185044	85 x 35	70	5
3185045	95 x 36	85	1
3185016	100 x 38	100	1
3185046	115 x 47	200	1



3186 - QUARTZ COMBUSTION BOATS With Handle

- Light in weight
- Longer life span
- Accurate dimensions
- Sturdiness

Product Code	Approx O.D. x Length mm	Quantity Per Case
3186Q01	12 x 77	1



3190 - QUARTZ CRUCIBLES Without Lid

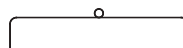
- Accurate dimensions
- Longer life span
- Fine finish
- Sturdiness

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
3190007	15	40 x 26	10
3190009	25	47 x 30	10
3190012	50	57 x 35	10
3190015	80	69 x 45	10
3190018	150	80 x 54	5

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

- Accurate dimension
- Longer life span
- Fine finish
- Sturdiness

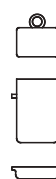
Product Code	Capacity ml	Quantity Per Case
3191007	15	10
3191009	25	10
3191012	50	10
3191015	80	10



3195, 3196 & 3197 - QUARTZ VOLATILE MATTER CRUCIBLES

- Dimensional accuracy
- Tough construction
- Durability
- Comes with Lid and Plunger

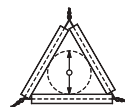
Product Code	Catalogue No.	Item	Dimension mm	Quantity Per Case
3195041	3195	Crucible	25 x 38	5
3196041	3196	Plunger	12.5	5
3197041	3197	Lid		5



3198 - QUARTZ SILICA TRIANGLES on Nichrome (Translucent)

- Longer life span
- Sturdiness
- Seamless finish

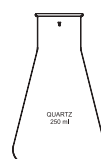
Product Code	Capacity ml	Quantity Per Case
3198007	15	10
3198009	25	10
3198012	50	10
3198015	80	5



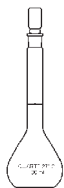
4984 - QUARTZ ERLLENMEYER (CONICAL) FLASK

- Suitable for digestion of samples with concentrated acid (except HF)
- Ideal for estimation of boron in soil
- Withstand sudden heating & cooling

Product Code	Capacity ml	External Dimension	
		O.D. mm	Height mm
4984016	100	64	105
4984018	150	72	124
4984021	250	85	140



Quartz Ware



5644 - QUARTZ VOLUMETRIC FLASK With I/C Quartz Stopper, Class B

- Dimensional accuracy
- Sturdiness
- Durability
- Perfect finish

Product Code	Capacity ml	Quantity Per Case
5644005	5	1
5644006	10	1
5644009	25	1
5644012	50	1
5644016	100	1
5644021	250	1
5644024	500	1
5644029	1000	1



8600 - QUARTZ CIRCULAR CAPSULE

- Suitable for determination of ash content in coal analysis
- Withstand sudden heating & cooling

Product Code	External Dimension	
	Height mm	Diameter mm
8600Q01	14	48
8600Q02	15	54

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



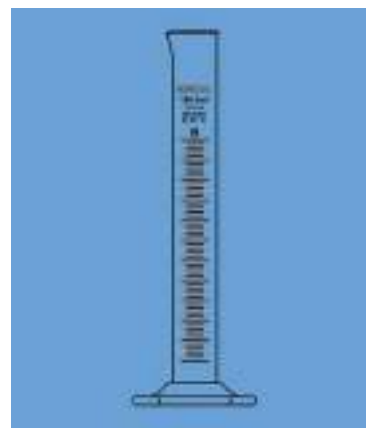
1511 - QUARTZ REAGENT BOTTLE With Hollow Quartz I/C Stopper

Product Code	Capacity ml	Quantity Per Case
1511024	500	1

3028 - QUARTZ MEASURING CYLINDER

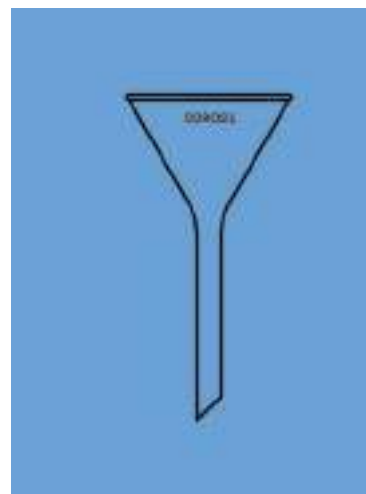
With Spout, Class B

Product Code	Capacity ml	Quantity Per Case
3028005	5	1
3028006	10	1
3028009	25	1
3028012	50	1
3028016	100	1
3028021	250	1
3028024	500	1



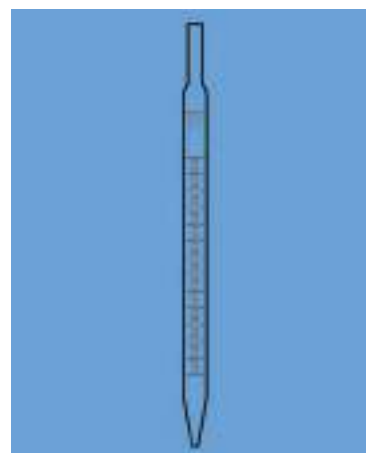
6141 - QUARTZ FILTER FUNNEL, 60°

Product Code	Capacity mm	Quantity Per Case
6141071	75	1



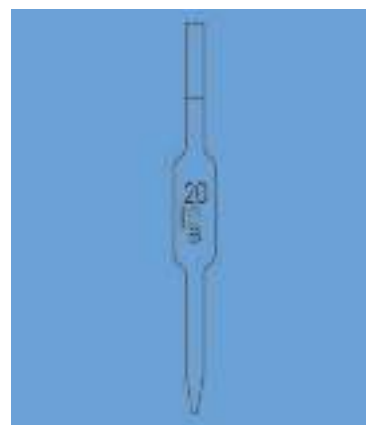
7064 - QUARTZ MOHR GRADUATED PIPETTES, CLASS B

Product Code	Capacity ml	Quantity Per Case
7064P41	1 x 0.01	1
7064P22	2 x 0.1	1
7064P55	5 x 0.1	1
7064P06	10 x 0.1	1

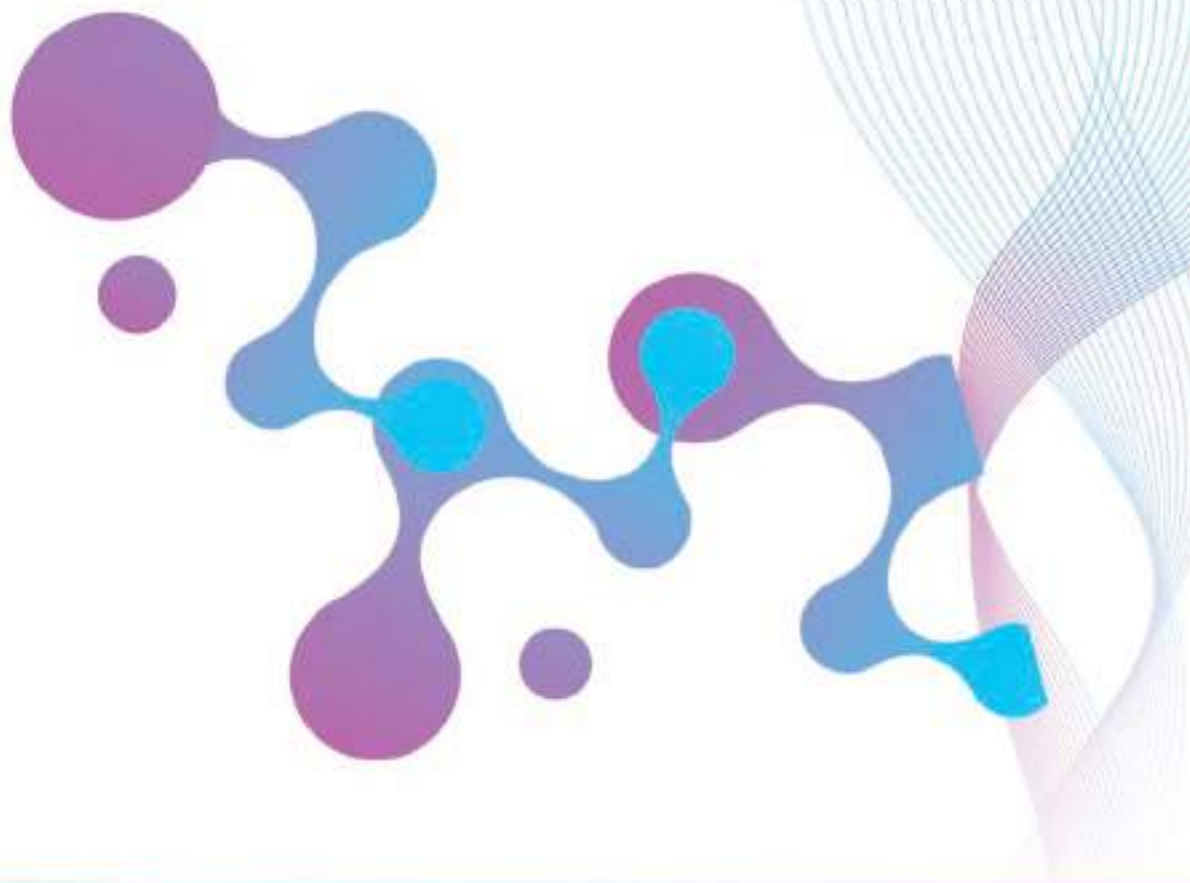


7104 - QUARTZ VOLUMETRIC PIPETTES, CLASS B

Product Code	Capacity ml	Quantity Per Case
7104001	1	1
7104002	2	1
7104003	3	1
7104004	4	1
7104005	5	1
7104706	6	1
7104006	10	1



Quartz Ware



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