



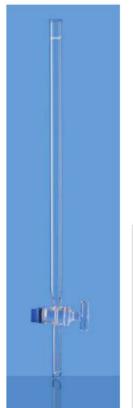
Chromatography Columns

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

6100 - Columns, Chromatography, Plain With Glass Stopcock

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

Product Code	Extrator Length mm	Bore 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



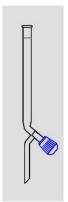




6110 - Columns, Chromatography, Plain With Boroflo Stopcock

- Generally used for purification of individual compounds from mixtures of compounds
- Columns are added with a sintered disk (Grade I) for good result

Product Code	Extractor Length mm	Bore mm	Quantity Per Case
6110060	200	10	5
6110061	300	10	5
6110062	300	18	5
6110063	450	30	5
6110064	500	10	5
6110065	500	18	5
6110066	600	30	5
6110067	600	40	5
6110068	1000	40	4

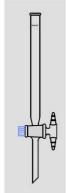




6120 - Columns, Chromatography, Plain With PTFE Stopcock

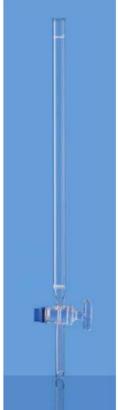
- Equipped with PTFE key that is highly resistant to chemical attack
- No lubrication required as PTFE key is used
- Generally used for purification of individual compounds from mixtures of compounds
- · Columns are added with a sintered disk (Grade I) for good result

Product Code	Extractor Length mm	Bore mm	Quantity Per Case
6120060	200	10	5
6120061	300	10	5
6120062	300	18	5
6120063	450	30	5
6120064	500	10	5
6120065	500	18	5
6120066	600	30	5
6120067	600	40	5
6120068	1000	40	4











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

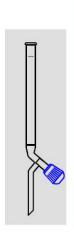
Product Code	Extractor Length mm	Bore mm	Quantity Per Case
6101060	200	10	5
6101061	300	10	5
6101062	300	18	5
6101063	450	30	5
6101064	500	10	5
6101065	500	18	5
6101066	600	30	5
6101067	600	40	5
6101068	1000	40	4



6111 - Columns, Chromatography, Plain With Sintered Disc And Boroflo Stopcock

- Equipped with PTFE key that is highly resistant to chemical attack
- · No lubrication required as PTFE key is used
- · Columns are added with a Sintered Disc for good results.
- · Generally used for purification of individual compounds from mixtures of compounds

Product Code	Extractor Length mm	Bore mm	Quantity Per Case
6111060	200	10	5
6111061	300	10	5
6111062	300	18	5
6111063	450	30	5
6111064	500	10	5
6111065	500	18	5
6111066	600	30	5
6111067	600	40	5
6111068	1000	40	4

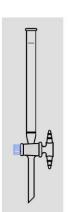




6121 - Columns, Chromatography, Plain With Sintered Disc And PTFE Stopcock

- Equipped with PTFE key that is highly resistant to chemical attack
- · No lubrication required as PTFE key is used
- · Columns are added with a Sintered Disc for good results.
- Generally used for purification of individual compounds from mixtures of compounds

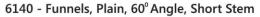
Product Code	Extractor Length mm	Bore mm	Quantity Per Case
6121060	200	10	5
6121061	300	10	5
6121062	300	18	5
6121063	450	30	5
6121064	500	10	5
6121065	500	18	5
6121066	600	30	5
6121067	600	40	5
6121068	1000	40	4







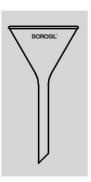




- Complies with IS 1591, ISO / DIN 4798
- Made 3.3 borosilicate glass
- Designed with a 60° bowl angle to ensure precise fitting of the filter paper
- High thermal shock resistance and chemical resistance
- Generally used for filtering and decanting liquids of varied densities

Product Code	Diameter mm	Quantity Per Case
6140057	25	30
6140058	35	30
6140065	50	20
6140069	65	20
6140071	75	20
6140077	100	40

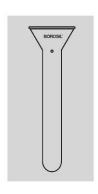




6150 - Tubes Funnel Test Tubes

• Specially Designed for Soil testing laboroatory

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

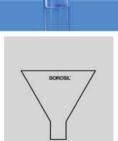












6220 - Funnels, Powder

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

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



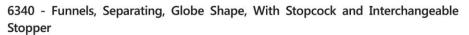


6230 - Funnels, Powder, Stem, With Cone

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

Product Code	Diameter mm	Quantity Per Case
6230080	125	20
6230081	150	20
6230087	200	4
6230089	250	4





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

Product Code	Capacity ml	Stopper Size	Quantity Per Case
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

^{*} Plastic stopper can be supplied on request.











6400 - Funnels, Separating, Pear Shape, With Stopcock And Interchangeable Stopper

- Complies with ISO / DIN 4800
- · Made of borosilicate glass
- · Equipped with a standard ground stopcock
- Pear shape, 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 any standards.

^{*}Plastic stoppers can be supplied on request





6402 - Funnels, Separating, Pear Shape, Fitted With Boroflo Stop-cock With PTFE Key And Glass Stopper

- Complies with ISO / DIN 4800
- · Made of borosilicate glass
- · Equipped with a Boroflo stopcock with PTFE key
- · Pear shape, with a stem
- Generally used in the separation phase

Product Code	Capacity mm	Quantity Per Case
6402013	60	10
6402017	125	10
6402021	250	10
6402024	500	10
6402029	1000	10

^{*} Not covered in any standards.

^{*}Plastic stoppers can be supplied on request



6403 - Funnels, Separating, Pear Shape, With PTFE Key Stopcock, Interchangeable Stopper

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

Product Code	Capacity ml	Stopper Size	Quantity Per Case
6403021	250	24 / 29	10
6403024	500	24 / 29	10
6403029	1000	29 / 32	10

^{*} Plastic stoppers can be supplied on request.





6405 - Funnel, Pressure Equilising Cylindrical, With 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









Gas Generator

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

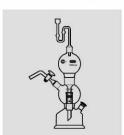
Borosil Gas Generator is an ideal choice with the promise of high quality and precision, thus making it the perfect solution for scientific purposes.

6550-Gas Generator, Kipps

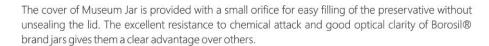
- Manufactured from 3.3 Borosilicate glass for corrosion-free performance
- Used to produce common gases
- Simple to operate and quickly charged as well as assembled

Product Code	Extractor Length mm	Quantity Per Case
6550024	500	1
6550029	1000	1







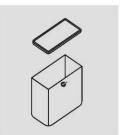


6910-Jars, Rectangular, Museum, With Cover, 3.3 Borosilicate glass

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

Product Code	Approx Height x Length x Breadth mm	Quantity Per Case
6910M41	200 x 125 x 125	4
6910M42	200 x 150 x 100	4
6910M43	220 x 195 x 80	4
6910M44	$250 \times 165 \times 140$	4
6910M45	250 x 250 x 120	4
6910M46	360 x 150 x 100	4



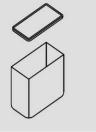


6920 - S-Line Museum Jar, clear glass

- · Made from soda lime glass
- Specially blown to give sturdiness and long life
- Top edges are flat ground to close tolerances
- · Not recommended for use over a direct flame or on a hot plate

Product Code	Approx Height x Length x Breadth mm	Quantity Per Case
6920M41	140 x 215 x 100	4
6920M42	210 x 170 x 130	4
6920M43	220 x 140 x 140	4
6920M44	225 x 225 x 125	4
6920M45	250 x 250 x 150	4





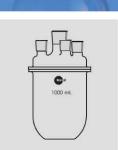




Kettles

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





6947-Kettles, Resin Reaction

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

Product Code	Capacity ml	Body Dia mm	Height mm	Quantity Per Case Set
6947024	500	95	178	1
6947029	1000	108	178	1
6947030	2000	140	190	1
6947032	4000	140	343	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-Bottoms, Only for Kettles Cat no. 6947

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

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





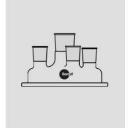
6949-Covers, Only for Kettles Cat No. 6947

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

Product Code	Capacity ml	Quantity Per Case
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

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

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

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

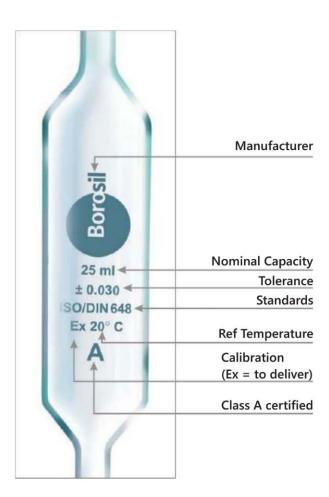
Details of Colour	Coding on	graduated	pipettes.
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Capacity of Pipette	Colour code used
0.1 x 0.01 ml	White
0.2 x 0.01 ml	Black
1 x 0.01 ml	Yellow
1 x 0.1 ml	Red
2 x 0.02 ml	Black
2 x 0.1 ml	Green
5 x 0.05 ml	Red
5 x 0.1 ml	Blue
10 x 0.1ml	Orange

Details of Colour Coding on one mark pipette Capacity of Pipette Colour code used

capacity cit ipotto	Colour couc uccu	
1 / 8 / 25 ml	Blue	
2 ml	Orange	
6 ml	2 Orange rings	
3 / 9 / 30 ml	Black	
5 / 40 ml	White	
10 / 50 ml	Red	
4 ml	2 Red rings	
15 ml	Green	
7 ml	2 Green rings	
20 / 100 ml	Yellow	







Tips are carefully tooled and ensure proper flow rates

Tips edges are fire polish



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



Serological TypeDelivery from

Delivery from zero mark to the tip

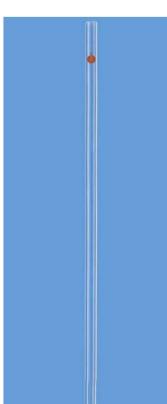
Two Rings

25

Two rings at the top indicate that these pipettes are calibrated to deliver their total capacity



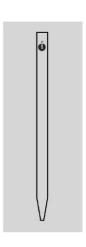




7040 - Pipettes, Artificial Insemination, Cattle, Taper Tip

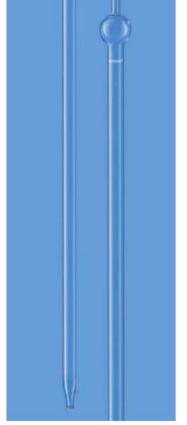
- Made of machine-drawn high quality tubing
- Sturdy, strong and safe for repeated use
- It can be sterilised and cleaned easily

Product	Length	Quantity
Code	mm	per Case
7040162	450	60



7041 - Drum Sampling, Pipette

Product	Length	Quantity
Code	mm	per Case
7041041	1000	4



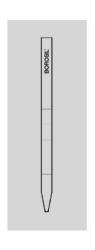


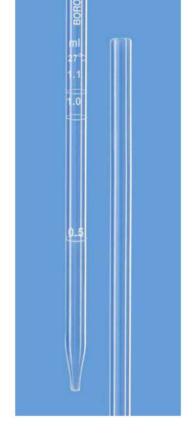




- Complies with IS 2025
- Calibrated at 20°C
- These Pipettes are used for the bacteriological examination of milk
- 1.1 ml is graduated at 0.5 to 1.1 ml
- 2.2 ml is graduated at 1.0, 2.0 , 2.1 and 2.2 ml

Product Code	Capacity ml	Tolerance <u>+</u> ml	Quantity per Case
7056101	1.1	0.025	10
7056102	2.2	0.04	10





7057 - Pipettes, Gerber, Milk

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

Product	Capacity	Tolerance	Quantity
Code	ml	<u>+</u> ml	per Case
7057P10	10.75	0.03	











7059 - Pipettes, Measuring (Mohr Type), Class A, With Batch Certificate

- Complies with IS, ISO / DIN 835
- Calibrated at 20°C
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- · Sturdy, designed to last long
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Supplied with individual calibration certificate showing actual volume dispensed and providing traceability to national standards

Product Code	Capacity ml	Graduation Interval ml	Tolerance <u>+</u> ml	Quantity per Case
7059P41D	0.1	0.01	0.006	10
7059P42D	0.2	0.01	0.006	10
7059P01D	1	0.01	0.007	10
7059P11D	1	0.1	0.007	10
7059P02D	2	0.02	0.01	10
7059P22D	2	0.1	0.01	10
7059P05D	5	0.05	0.03	10
7059P55D	5	0.1	0.03	10
7059P06D	10	0.1	0.05	10
7059P09D	25	0.2	0.1	10

^{*} Blue graduations can be supplied on request.

^{*} Individual calibration certificate can be provided on request.



7060 - Pipettes, Measuring (Mohr Type), Class B

- Complies to ISO / DIN 835
- Calibrated at 20°C
- These Pipettes are graduated for delivery from zero mark to the last graduation mark
- · Sturdy, designed to last long
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

Product Code	Capacity ml	Graduation Interval ml	Tolerance <u>+</u> 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	0.1	0.01	20
7060P02D	2	0.02	0.02	20
7060P22D	2	0.1	0.02	20
7060P05D	5	0.05	0.05	20
7060P55D	5	0.1	0.1	20
7060P06D	10	0.1	0.1	20
7060P09D	25	0.2	0.2	20

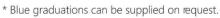
^{*} Blue graduations can be supplied on request.



7062 - Pipettes, Measuring (Mohr Type), Class B, White Marking

- Complies with ISO / DIN 835
- Calibrated at 20°C
- These Pipettes are graduated for delivery from zero mark to the last graduation mark.
- Sturdy, designed to last long
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

Product Code	Capacity ml	Graduation Interval ml	Tolerance <u>±</u> 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	0.1	0.01	20
7062P02D	2	0.02	0.02	20
7062P22D	2	0.1	0.02	20
7062P05D	5	0.05	0.05	20
7062P55D	5	0.1	0.05	20
7062P06D	10	0.1	0.1	20
7062P09D	25	0.2	0.2	20



^{*} Individual calibration certificate can be provided on request





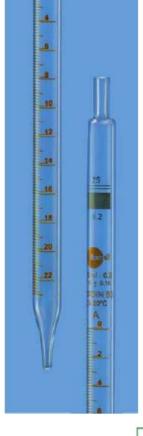
7079 - Pipettes, Serological, Class A, With Batch Certificate

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

Product Code	Capacity ml	Graduation Interval ml	Tolerance <u>+</u> ml	Quantity per Case
7079P41D	0.1	0.01	0.006	10
7079P42D	0.2	0.01	0.006	10
7079P01D	1	0.01	0.007	10
7079P11D	1	0.1	0.007	10
7079P02D	2	0.02	0.01	10
7079P22D	2	0.1	0.01	10
7079P05D	5	0.05	0.03	10
7079P55D	5	0.1	0.03	10
7079P06D	10	0.1	0.05	10
7079P09D	25	0.2	0.1	10

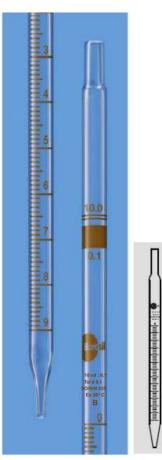
^{*} Blue graduations can be supplied on request.











7080 - Pipettes, Serological Class B

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

Product Code	Capacity ml	Graduation Interval ml	Tolerance <u>+</u> 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	0.1	0.01	20
7080P02D	2	0.02	0.02	20
7080P22D	2	0.1	0.02	20
7080P05D	5	0.05	0.05	20
7080P55D	5	0.1	0.05	20
7080P06D	10	0.1	0.1	20
7080P09D	25	0.2	0.2	20

^{*} Blue graduations can be supplied on request



7082 - Pipettes, Serological, (White Marking), Class B

- Complies with ISO / DIN 835
- Calibrated at 20°C
- These Pipettes are graduated to the tip
- Two rings at the top indicate that the Pipette is calibrated to deliver from any graduation line down to tip
- Graduation in white enamel increases the visibility with dark solution

Product Code	Capacity ml	Graduation Interval ml	Tolerance <u>+</u> 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	0.1	0.01	20
7082P02D	2	0.02	0.02	20
7082P22D	2	0.1	0.02	20
7082P05D	5	0.05	0.05	20
7082P55D	5	0.1	0.1	20
7082P06D	10	0.1	0.1	20
7082P09D	25	0.2	0.2	20

^{*} Blue graduations can be supplied on request



7100 - Pipettes, Transfer, Volumetric, Class A Accuracy, With Batch Certificate

- Complies with ISO / DIN 648
- Calibrated at 20°C
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- Each pipette coded with unique no. supplied with calibration certificate giving exact volume with traceability to national standards

Product Code	Capacity ml	Tolerance <u>+</u> ml	Quantity per Case
7100001D	1	0.007	10
7100002D	2	0.010	10
7100005D	5	0.015	10
7100006D	10	0.020	10
7100008D	20	0.030	10
7100009D	25	0.030	10
7100012D	50	0.050	10
7100016D	100	0.080	10





7101 - Pipettes, Transfer, Volumetric, Class A, Accuracy As Per USP

- Complies with ASTM E-969-02
- Calibrated at 20°C
- Calibrated for delivery (TD, Ex)
- · Generally used for accurate measurement and decanting of liquid
- Each pipette coded with unique no. supplied with calibration certificate giving exact volume with traceability to national standards

Product Code	Capacity ml	Tolerance <u>±</u> ml	Quantity per Case
7101001	1	0.006	10
7101002	2	0.006	10
7101003	3	0.01	10
7101004	4	0.01	10
7101005	5	0.01	10
7101706	6	0.01	10
7101707	7	0.01	10
7101708	8	0.02	10
7101709	9	0.02	10
7101006	10	0.02	10
7101007	15	0.03	10
7101008	20	0.03	10
7101009	25	0.03	10
7101010	30	0.03	10
7101011	40	0.05	10
7101012	50	0.05	10
7101016	100	0.08	10





^{*} Blue graduations can be supplied on request.



^{*} Blue graduations can be supplied on request.

^{*} Individual calibration certificate can be provided on request



7102 - Pipettes, Transfer, Volumetric, Class B

- Complies with ISO / DIN 648
- Calibrated at 20°C
- · Calibrated for delivery
- · Generally used for accurate measurement and decanting of liquid

Product Code	Capacity ml	Tolerance <u>±</u> 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	0.16	10

^{*} Blue graduations can be supplied on request.



7103 - Pipettes, Transfer, Volumetric, Class B

- Complies with ASTM E-969-02
- Calibrated at 20°C
- · Calibrated for delivery
- Generally used for accurate measurement and decanting of liquid

,		5	
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
ALL L. ACTAL	1 1		

^{*}Not covered in ASTM standards



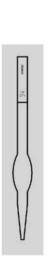
^{*} Blue graduations can be supplied on request.

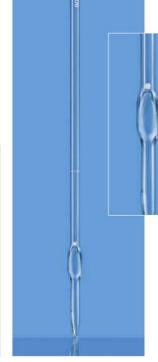
7105 - Pipette, Ostwald - Folin

• Complies with IS 5155: 2009

Product Code	Capacity ml	Quantity per Case
7105P45	0.5	10
7105001	1	10

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







Weighing Scoop

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



7200 - Weighing Scoop

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

	Product Code	Capacity ml	Quantity per Case
NEW	7200001	1	10
NEW	7200002	2	10
	7200003	3	10
	7200076	6	10
	7200006	10	10





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

7840 - Tubes, Blood Sugar, Folin-Wu

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

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





7920 - Tubes, Digestion, Folin - Wu

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

Product Code	Approx O.D. x Length	Quantity Per Case mm
7920057	25 x 200	20

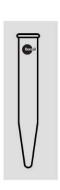


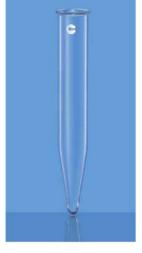


8060 - Tubes, Centrifuge, Conical Bottom Plain

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

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











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

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





8084 - Tubes, Centrifuge, Conical Bottom, Graduated, With Stopper

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

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
8084007	15	17 x 139	30
8084012	50	29 x 161	10





8100 - Stoppers, Interchangeable Ground Joint, Solid, Penny Head

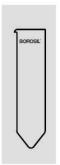
Product Code	Interchangeable Joint	Quantity Per Case
8100010	10 / 19	20
8100014	14 / 23	20
8100019	19 / 26	20
8100024	24 / 29	20

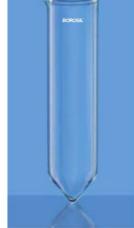




- · Made of uniformly drawn high quality tubing for extended service life
- The higher density fraction collects in the pointed centre of the base
- Consequently, even small amounts of solids can be collected and separated

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





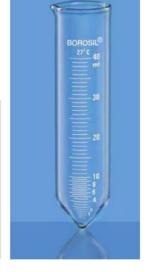
8340 - Tubes, Centrifuge, Short Conical Bottom, Pour Out, Heavy Duty, Graduated

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

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

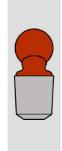
Graduated upto 10 ml in 0.5 ml and from 10 ml to 40 ml in 1ml divisions





8400 - Stoppers, Interchangeable Ground Joint, Solid, Penny Head, Amber

Product Code	Interchangeable Joint	Quantity Per Case
8400010	10 / 19	20
8400014	14 / 23	20
8400019	19 / 26	20
8400024	24 / 29	20









Adapters

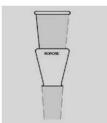
The Adapter tubes listed below are the most widely used ones, and will enable a laboratory to assemble its own apparatus using the Flasks and Condensers listed earlier. The joints are fully interchangeable and made to the same precision as all Borosil ground joints.



- Made of borosilicate glass
- · 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 ground joints

	hese jointe die made te the same precision as an Borosii ground jointe			
Product Code	Joint Size Outer	Joint Size Inner	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	
80A0088	34 / 35	29 / 32	5	





8820 - Adapter, Reduction, Interchangeable Joints • Made of borosilicate glass

- 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 ground joints.

Product Code	Joint Size Outer	Joint Size Inner	Quantity Per Case
8820A10	14 / 23	19 / 26	5
8820A11	14 /23	24 / 29	5
8820A18	19 /26	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
8820A09	29 / 32	34 / 35	5
8820A17	29 / 32	40 / 38	5







- Made of borosilicate glass
- Equipped with a vacuum connection at the receiver bent
- The joints are made to the same precision as all Borosil ground joints

Product Code	Joint Size Outer	Joint Size Inner	Quantity Per Case
8830614	14 / 23	14 / 23	5
8830714	14 / 23	19 / 26	5
8830619	19 / 26	19 / 26	5
8830719	19 / 26	24 / 29	5
8830624	24 / 29	24 / 29	5
8830629	29 / 32	29 / 32	5





8841 - Slopping Plane Still Head

- Made from borosilicate glass
- The joints are made to the same precision as all Borosil ground joints

Product Code	Flask Cone	Cond. Cone	Thermometer 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







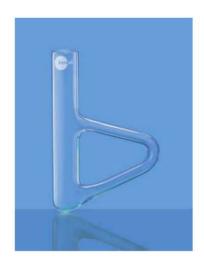


Test Tubes And **Culture Tubes**

Borosil Test Tubes and Culture Tubes are made of machine-drawn, uniform thickness, low expansion borosilicate glass tubing. The base has uniform thickness to withstand both, mechanical as well as thermal shocks. The rims, where provided, are strong. Test Tubes (Culture Tubes) without a rim have heavy, fire-polished ends that are resistant to mechanical shocks of daily use. You will find that in the long run, it is economical to use Borosil Tubes only.

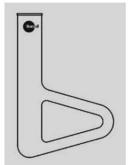
Culture Tubes facilitate cell growth.

The caps and washers provided on screw cap Culture Tubes can withstand repeated autoclaving.



9540 - Melting Tube, Thiel

Product Code	Approx O.D. x Length mm	Quantity Per Case
9540U06	18 x 150	5
9540U08	25 x 150	5



9800 - Tubes, Test, With Rim

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

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
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	800
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



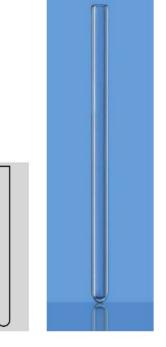


9801 - Tube for Culture collection

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

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

Used for pathological tests





^{*} IS: 3740 for tube widal







9820 - Tubes, Test (Culture), Without Rim

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

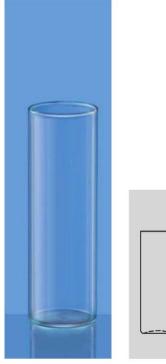
Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
9820U16	1	7 x 60*	400
9820U01	3	10 x 75***	800
9820U02	5	12 x 75**/***	800
9820U03	7	12 x 100***	800
9820U17	8	12 x 125***	800
9820U04	13	15 x 125	800
9820U05	15	15 x 150	400
9820U12	12	16 × 100***	800
9820U18	20	16 x 150***	400
9820U06	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



- High thermal shock resistance
- Designed without a rim
- Used for pathological tests and disintegration apparatus

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





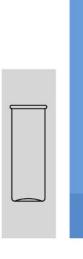
^{**} IS:3740 - 1966 for KAHN & WASSERMAN TEST

^{***} IS:3740 - 1966 for BACTERIOLOGICAL TEST



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

Product Code	Approx O.D. x Length mm	Quantity Per Case
9822U06	18 x 138	400
9822U07	18 x 55	100
9822U04	14 × 110	800





9830 - Tubes, Test Graduated, With Interchangeable Stopper

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

Product Code	Capacity ml	Approx O.D. x Length mm	Stopper Size	Quantity Per Case
9830006	10	15 x 130	10 / 15	10
9830007	15	15 x 150	14 / 15	10
9830008	20	18 x 150	14 / 15	10
9830010	30	25 x 155	19 / 23	10
9830012	50	25 x 200	19 / 23	10
9830016	100	34 x 210	24 / 25	10













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

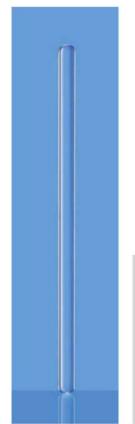
Product Code	Approx O. D. x Height mm	Quantity Per Case
9835001	39 x 205	10



9850 - Stirrer

- Ideal for very sensitive samples
- Made of polished 3.3 borosilicate glass

Product Code	Approx O.D. x Lengh 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 - Stirrers, with PTFE Blade

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

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

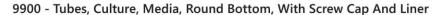












- Made of borosilicate glass, designed with a round bottom
- The ideal replacement for media culture bottles
- · Designed with special caps to facilitate handling and sealing
- · The caps have a PTFE liner

	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
NEW	9900012	50	25 x 150	50
	9900013	60	25 x 200	50
	9900018	150	38 x 200	50



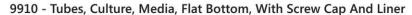


9901 - Tubes, Culture, Amber, Media, Round Bottom, With Screw Cap And Liner

- Made of borosilicate glass, designed with a round bottom
- The ideal replacement for media culture bottles
- The uniform Amber colour is highly durable and has high chemical resistance.
- · Designed with special caps to facilitate handling and sealing
- The caps have a PTFE liner

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





- · Made of borosilicate glass, designed with a flat bottom for convenient storage
- The ideal replacement for Bijou, Mc Cartney and universal bottles
- · Designed with special caps to facilitate handling and sealing
- · The caps have a PTFE liner

Proc Co		Capacity ml	Approx O.D. x Length mm	Quantity Per Case
9910	0005	5	16 x 50	100
9910	0006	10	25 x 50	100
9910	0007	15	25 x 57	100
9910	0010	30	25 x 95	100
9910	012	50	25 x 145	50





9911 - Tubes, Culture, Amber, Media, Flat Bottom, With Screw Cap And Liner

- Made of borosilicate glass, designed with a flat bottom for convenient storage
- The ideal replacement for Bijou, Mc Cartney and universal bottles
- Designed with special caps to facilitate handling and sealing
- The uniform Amber colour is highly durable and has high chemical resistance.
- The caps have a PTFE liner

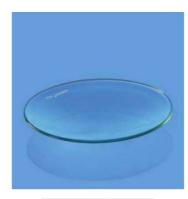
	Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case	Price / Piece ₹
	9911005	5	16 x 50	100	75.00
NEW	9911006	10	25 x 50	100	100.00
1100	9911007	15	25 x 57	100	100.00
	9911010	30	25 x 95	100	125.00

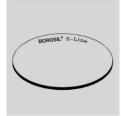






Watch Glasses





9986 - Watch Glasses, Borosil S - Line

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

Product Code	Capacity ml	Quantity per Case
9986072	80	50
9986077	100	50
9986079	120	20
9986081	150	20



Technical Data

Sintered Ware

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 disperation, gas washing.
3	15-40	Filtration of fine grain precipitates. Anayical work with medium precipitates. Mercury filtration
4	5-15	Analytical work with fine and very fine precipitates. Non return mercury valves.
5	1-2	Bacteriological filtration.





Chemical Durability

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

Operating Pressure

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

Thermal Limitations

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

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

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

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

Cleaning Of Sintered Ware

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

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

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

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

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

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





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

Fats and grease

Carbon tetrachloride or suitable organic solvent

Albumen glucose:

Hot ammonia or hydrochloric acid, mixture of hot concentrated sulphuric and nitric acids

Organic substances :

'Chromic' acid cleaning solution* or concentrated sulphuric acid containing a little potassium nitrate or perchlorate (0.5%) (may need to be soaked overnight)

Copper or iron oxide :

Hot concentrated hydrochloric acid with potassium chlorate.

· Barium sulphate:

Hot concentrated sulphuric acid

Mercury Residues :

Hot concentrate nitric acid

Mercury Sulphide :

Hot aqua regia

· Silver chloride:

Ammonia or sodium hyposulphite

Stannic oxide :

Boiling sulphuric acid**

Alumina or silica residues:

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

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

- * For bacteriological, pharmaceutical and biological work, 'chromic' acid cleaning solution should be avoided in view of the biological effect of chromium ions.
- ** Boiling sulphuric acid may introduce undue thermal strain. It is therefore advisable to leave the item in the acid to cool.









32060 - Crucible, Gooch Type, Low Form, With Sintered Disc

- Made of 3.3 borosilicate glass
- \bullet 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	44	10
3206607	15	2	20	44	10
3206707	15	3	20	44	10
3206807	15	4	20	44	10
3206907	15	5	20	44	10
3206010	30	1	30	50	10
3206610	30	2	30	50	10
3206710	30	3	30	50	10
3206810	30	4	30	50	10
3206910	30	5	30	50	10
3206012	50	1	40	60	10
3206612	50	2	40	60	10
3206712	50	3	40	60	10
3206812	50	4	40	60	10
3206912	50	5	40	60	10



32061 - Tubes, Filter, For Gooch Crucibles

- Made of 3.3 borosilicate glass
- Suitable for use with Borosil's Filtering Crucibles Gooch type with Sintered Disc

Product Code	Approx O.D. x Length mm	Quantity Per Case
3206027	27 x 150	5
3206036	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 $8 \, \text{mm} \, \text{O.D.} \, x \, 75 \, \text{mm} \, \text{length} \, \text{in all sizes}$.







- 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	137	8	5
3606658	35	2	30	137	8	5
3606758	35	3	30	137	8	5
3606858	35	4	30	137	8	5
3606958	35	5	30	137	8	5
3606072	80	1	40	149	8	5
3606672	80	2	40	149	8	5
3606772	80	3	40	149	8	5
3606872	80	4	40	149	8	5
3606972	80	5	40	149	8	5
3606020	200	1	65	205	13	5
3606620	200	2	65	205	13	5
3606720	200	3	65	205	13	5
3606820	200	4	65	205	13	5
3606920	200	5	65	205	13	5
3606024	500	1	90	255	17	2
3606624	500	2	90	255	17	2
3606724	500	3	90	255	17	2
3606824	500	4	90	255	17	2
3606924	500	5	90	255	17	2
3606029	1000	1	120	275	19	2
3606629	1000	2	120	275	19	2
3606729	1000	3	120	275	19	2
3606829	1000	4	120	275	19	2
3606929	1000	5	120	275	19	2





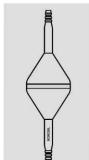




39580 - Tubes, Sealed, With Reduced Ends, With Sintered Disc, (Pipeline Filters)

- Made of 3.3 borosilicate glass
- Generally used in inline filtration of gas lines to remove solid impurities

Product Code	Capacity ml	Porosity Grade	Dia of Disc mm	Approx Height mm	Stem Dia mm	Quantity Per Case
3958010	30	1	30	125	9	5
3958610	30	2	30	125	9	5
3958710	30	3	30	125	9	5
3958810	30	4	30	125	9	5
3958910	30	5	30	125	9	5
3958014	65	1	65	210	13	5
3958614	65	2	65	210	13	5
3958714	65	3	65	210	13	5
3958814	65	4	65	210	13	5
3958914	65	5	65	210	13	5
3958015	90	1	90	320	17	5
3958615	90	2	90	320	17	5
3958715	90	3	90	320	17	5
3958815	90	4	90	320	17	5
3958915	90	5	90	320	17	5





Boron Free Transparent Silica

Quartz Ware

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 alkalies and certain metal oxides react on silica. It is attacked by hydrofluoric acid. At high temperatures, it is also attacked by phosphoric acid.

Continuous use of fused silica above 1000°C leads to devitrification with formation of crystobalite 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 Sio₂to 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.

Electrical resistivity (at 350°C)		7 x 10 ⁷ ohm cm	
Low Expansion and constancy of Weight	Average co-efficie	ent of expansion 5.5 X 10 ⁻⁷ / °C	
Softening Point	1685°C	Annealing Point	1200°C
Operating Temp (continuous)	1050°C	Strain Point	1120°C
Operating Temp (intermittent)	1350°C	Working Temp	1950°C

1002 - Beakers, Low Form, With Spout

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

Product Code	Capacity ml	Approx O.D. x Length mm	Quantity Per Case
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













3175 - Muffle Trays

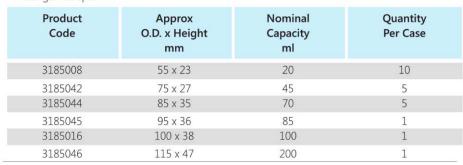
- Perfect finish
- Sturdiness
- Durability
- Holes: 2/4

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





- Accurate dimensions
- Longer life span

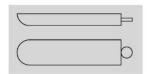






3186 - Combustion Boats with Handle

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



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

Prices for other sizes on request



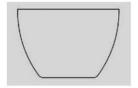


3190 - Crucibles, Without Lid

- Accurate dimensions
- Longer life span
- Fine finish
- Sturdiness
- · Capacity: 5-200 ml

Product Code	Capacity ml	Approx O.D. x Height 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 Crucibles

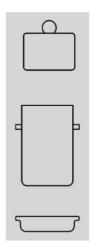
- · Accurate dimension
- Longer life span
- Fine finish
- Sturdiness

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



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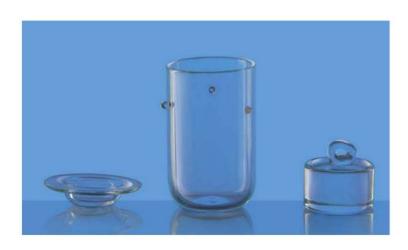


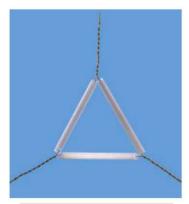


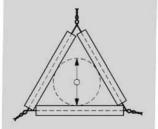
Volatile Matter Crucibles

- 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 - Silica Triangles on Nichrome (Translucent)

- Longer life span
- Sturdiness
- Seamless finish

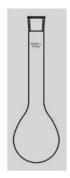
Product Code	Capacity ml	Quantity Per Case
3198007	15	10
3198009	25	10
3198012	50	10
3198015	80	5





- Durability
- Dimensional accuracy
- Sturdines
- Perfect finish

	Product	Capacity	Ground	Quantity
	Code	ml	Joint	Per Case
Ī	5435024	500	24 / 29	1





5644 - Flasks Volumetric, Quartz

- · 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

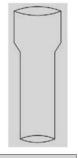




8500 - Carbon-Sulphur Combustion Tube - Leco Type

- Dimensional accuracy
- Sturdiness
- Durability
- Perfect finish
- · Compatible with Carbon Sulphur Combustion analyser

Product Code	Туре	Quantity Per Case
8500Q02	CS244	1





The Quartz articles listed in the catalogue are only some of the standard items manufactured by us. For any customised article which are not listed in the catalogue please refer to us with designs or detailed description of your requirement.



BOROSIL®

Chromatography Vials & Closures

At Borosil, we understand that selecting the right **Chromatography Vial** is not simple and easy. That is why, following some insightful interaction and discussions with users in the industry, we now introduce a wide range of Vials and Closures to fulfil your requirements.

To reduce downtime caused by out-ofspecification Vials, these Vials and Closures are made to stringent dimensional tolerances and are certified.



Certified

Sample Vials & Closures

Borosil certified Vials are manufactured in an ISO 9001 certified facility, in accordance with US and European Pharmacopoeia.

Borosil certified Caps and Septa are engineered for superior sealing and hassle-free operation with instruments. Borosil Septa are extensively tested for ensuring extreme levels of purity, in order to prevent sample errors.

Vial Closure Guide

Three types of closures: Crimp, Snap and Screw cap.

Сар Туре	Sealing Characteristics	Remarks
Screw	Excellent seal	Universal
Snap	Moderate seal	Fast, no tools
Crimp	Excellent seal	Requires tools



Septa Recommendation

- PTFE / Silicone
- · Recommended for multiple injection and sample storage
- · Excellent resealing capability
- PTFE chemical resistance until punctured, after which it has the chemical compatibility of silicone
- · Pre-slit PTFE / Silicone
- Prevent vacuum formation in vials
- · Eliminate coring from bottom draw-port needles
- Good resealing capability
- · Recommended for multiple injections
- PTFE chemical resistance until punctured, after which it has the chemical compatibility of silicone.



TYPE - I GLASS

USP & EP COMPLIANT

WIDE COMPATIBILITY





Sample Vials & Closures

9mm or Universally Compatible

VIAL: 2ml, 12 X 32mm Screw Top Vial. Clear or Amber Glass

9 mm screw thread Vials are the most popular ones. They are also known as universally compatible Vials. 9 mm screw top Vials combine the excellent autosampler handling of a crimp cap profile with the ease of a screw cap. This means that they can be used in almost any autosampler.

THE CLOSURE: BOROSIL certified pre-assembled PP screw caps & Septa.

Choose the best combination for your application.

PP Screw Cap with PTFE/ SILICONE Septa

PP Screw Cap with Pre-slit PTFE/ SILICONE Septa

PP Screw Cap with bonded PTFE/ SILICONE Septa

PP Screw Cap with bonded Pre-slit PTFE/ SILICONE Septa











8mm or Narrow Neck

VIAL: 2ml, 12 X 32mm, 8mm Screw Top Vial. Clear or Amber Glass

Borosil's 8 mm screw thread Vials or narrow neck Vials are designed to function in a variety of autosamplers that require narrow neck Vials.

Product Code	Description
VO02C10800S000	8mm, 2ml, 12 X 32 Clear Glass Screw Top Vial
VO02A10800S000	8mm, 2ml, 12 X 32 Amber Glass Screw Top Vial
CS000008PKS011	8mm Black Screw Cap with PTFE-SILICONE Septa
CS000008PKS012	8mm Black Screw Cap with Pre-slit PTFE-SILICONE Septa
VC02C108PKS011	Combipack 8mm, 2ml, 12 X 32, Clear Glass Screw Vial & 8mm Black Screw Cap with PTFE-SILICONE Septa
VC02C108PKS012	Combipack 8mm, 2ml, 12 X 32, Clear Glass Screw Vial & 8mm Black Screw Cap with Pre-slit PTFE-SILICONE Septa
VC02A108PKS011	Combipack 8mm, 2ml, 12 X 32, Amber Glass Screw Vial & 8mm Blue Screw Cap with PTFE-SILICONE Septa
VC02A108PKS012	Combipack 8mm, 2ml, 12 X 32, Amber Glass Screw Vial & 8mm Blue Screw Cap with Pre-slit PTFE-SILICONE Septa



10 mm or Wide Mouth

VIAL: 2ml, 12 X 32mm, 10mm Screw Top Vial. Clear or Amber Glass

Borosil's 10 mm screw thread Vials are designed with a wide opening. The increased target area makes sample preparation easier. It also reduces the chance of needle incidents during sampling.

Product Code	Description
VO02C11000S000	10mm, 2ml, 12 X 32 Clear Glass Screw Top Vial
VO02A11000S000	10mm, 2ml, 12 X 32 Amber Glass Screw Top Vial
CS000010PKS011	10mm Black Screw Cap with PTFE-SILICONE Septa
CS000010PKS012	10mm Black Screw Cap with Pre-slit PTFE-SILICONE Septa
VC02C110PKS011	Combipack 10mm, 2ml, 12 X 32, Clear Glass Screw Vial & 10mm Black Screw Cap with PTFE-SILICONE Septa
VC02C110PKS012	Combipack 10mm, 2ml, 12 X 32, Clear Glass Screw Vial & 10mm Black Screw Cap with Pre-slit PTFE-SILICONE Septa
VC02A110PKS011	Combipack 10mm, 2ml, 12 X 32, Amber Glass Screw Vial & 10mm Blue Screw Cap with PTFE-SILICONE Septa
VC02A110PKS012	Combipack 10mm, 2ml, 12 X 32, Amber Glass Screw Vial & 10mm Blue Screw Cap with Pre-slit PTFE-SILICONE Septa







11mm Snap Cap Vials

VIAL: 2ml, 12 X 32mm Snap Top Vial. Clear or Amber Glass

Snap top Vials and caps are the simple, efficient way to ensure a secure seal without crimping. Snap caps provide a secure seal that minimises evaporation even with volatile samples. Snap caps are often more convenient than crimp caps as they can easily be applied and removed by hand. An audible 'click' reinforces that a secure seal has been ensured, and that the cap is correctly aligned.

THE CLOSURE:

For quick and easy use, Borosil caps and septa are pre-assembled. This saves your time and reduces the risk of contamination during assembly. As easy as 'push-on, pull-off', the secure seal Borosil snap caps have are clearly advantages over the loose fit of other snap caps. Crimp caps can also be used with Borosil's wide opening snap top Vials.

Product Code	Description
VO02C11100N000	11mm, 2ml, 12 X 32mm, Clear Glass Snap Vial
VO02A11100N000	11mm, 2ml, 12 X 32mm, Amber Glass Snap Vial
CS000011PCN011	11mm Clear Snap Cap with PTFE-SILICONE Septa
CS000011PCN012	11mm Clear Snap Cap with Pre-slit PTFE-SILICONE Septa
VC02C111PCN011	Combipack of 11mm, 2ml, 12 X 32mm, Clear Glass Snap Top Vial & 11mm Clear Snap Cap with PTFE-SILICONE Septa
VC02C111PCN012	Combipack of 11mm, 2ml, 12 X 32mm, Clear Glass Snap Top Vial & 11mm Clear Snap Cap with Pre-slit PTFE-SILICONE Septa
VC02A111PCN011	Combipack of 11mm, 2ml, 12 X 32mm, Amber Glass Snap Top Vial & 11mm Clear Snap Cap with PTFE-SILICONE Septa
VC02A111PCN012	Combipack of 11mm, 2ml, 12 X 32mm, Amber Glass Snap Top Vial & 11mm Clear Snap Cap with Pre-slit PTFE-SILICONE Septa









11mm Crimp Cap Vials

VIAL: 2ml, 12 X 32mm Crimp Top Vial. Clear or Amber Glass

Borosil Crimp Vials are made to exacting dimensions for unparalleled autosampler compatibility, including a precision-formed crown for better crimping.

THE CLOSURE:

Crimp caps ensure the tightest seal, reducing the possibility of sample evaporation. The 12×32 mm Crimp Vials and 11 mm aluminium crimp caps are economical and easy to use. The wide opening crimp cap provides a larger target area for enhanced autosampler needle accuracy.

Choose from Septa best suited to your application. PTFE-Silicone or Pre-slit PTFE Silicone

Product Code	Description
VO02C11100C000	11mm, 2ml, 12 X 32mm, Clear Glass Crimp Vial
VO02A11100C000	11mm, 2ml, 12 X 32mm, Amber Glass Crimp Vial
CS000011ASC011	11mm Aluminum Crimp Cap with PTFE-SILICONE Septa
CS000011ASC012	11mm Aluminum Crimp Cap with Pre-slit PTFE-SILICONE Septa
VC02C111ASC011	Combipack of 11mm, 2ml, 12 X 32mm, Clear Glass Vial & 11mm Silver Aluminum Crimp Cap with PTFE-SILICONE Septa
VC02C111ASC012	Combipack of 11mm, 2ml, 12 X 32mm, Clear Glass Vial & 11mm Silver Aluminum Crimp Cap with Pre-slit PTFE-SILICONE Septa
VC02A111ASC011	Combipack of 11mm, 2ml, 12 X 32mm, Amber Glass Vial & 11mm Silver Aluminum Crimp Cap with PTFE-SILICONE Septa
VC02A111ASC012	Combipack of 11mm, 2ml, 12 X 32mm, Amber Glass Vial $\&$ 11mm Silver Aluminum Crimp Cap with Pre-slit PTFE-SILICONE Septa













13mm or Rinse Vials

VIAL: 4ml 15 X 45mm Screw Vial, Clear or Amber Glass

These 15 x 45 mm Vials can hold up to 4ml of sample. They are used by the Waters 48-position autosampler, Agilent's (G2880A) autosampler tray used with the Agilent 6850, in 7673 and 7683 autosamplers. These Vials can also be used in the Perkin-Elmer Autosystem GC, Shimadzu AOC-14/1400, LC-10A, and SIL-2AS. They can be used as sample or wash Vials, or even as waste Vials.

With 13×425 caps and septa they are used as sample Vials. These Vials can also be used as storage Vials.

THE CLOSURE:

13mm Pre-assembled Black Screw Cap with un-slit or pre-slit PTFE - SILICONE Septa.

Product Code	Description
VO04C11300S000	13mm, 4ml, 15 X 45mm, Clear Glass Screw Vial
VO04A11300S000	13mm, 4ml, 15 X 45mm, Amber Glass Screw Vial
CS000013PKS011	13mm Black Screw Cap with PTFE-SILICONE Septa
CS000013PKS012	13mm Black Screw Cap with Pre-slit PTFE-SILICONE Septa
VC04C113PKS011	Combipack of 4ml 15 X 45mm Clear Screw Vial & 13mm Black Screw Cap with PTFE-SILICONE Septa
VC04C113PKS012	Combipack of 4ml 15 X 45mm Clear Screw Vial & 13mm Black Screw Cap with Pre-slit PTFE-SILICONE Septa
VC04A113PKS011	Combipack of 4ml 15 X 45mm Amber Screw Vial & 13mm Black Screw Cap with PTFE-SILICONE Septa
VC04A113PKS012	Combipack of 4ml 15 X 45mm Amber Screw Vial &13mm Black Screw Cap with Pre-slit PTFE-SILICONE Septa







22mm Headspace GC Vials

THE VIALS: Headspace 20ml GC Crimp Vials - Flat or Round Bottom

In Headspace Chromatography, the sealing of the Vial and its ability to withstand pressure are critical.

Borosil Headspace Vials have a bevelled neck offering a superior and more secure seal. The uniform thickness of the glass allows for even distribution of heat.

They are available with **flat** or **round** bottom profiles, for instrument compatibility.

THE CLOSURES:

20mm Pre-assembled Headspace Aluminum or Magnetic Crimp Caps with Ultra Clean, Ultra Low Bleed PTFE - SILICONE Septa.

Magnetic Crimp Caps are ideal for autosamplers that use magnetic transportation.

Product Code	Description
VC20F020ASC041	Combipack of 20ml Clear Glass Flat Bottom Headspace Crimp Vials and 20mm Silver Aluminum Caps with Ultra-Clean, Ultra-Low Bleed PTFE-SILICONE Septa
VC20R020ASC041	Combipack of 20ml Clear Glass Round Bottom Headspace Crimp Vials and 20mm Silver Aluminum Caps with Ultra-Clean, Ultra-Low Bleed PTFE-SILICONE Septa
VC20F020MSC041	Combipack of 20ml Clear Glass Flat Bottom Headspace Crimp Vials and 20mm Silver Magnetic Caps with Ultra-Clean, Ultra-Low Bleed PTFE-SILICONE Septa Bleed PTFE-SILICONE Septa
VC20R020MSC041	Combipack of 20ml Clear Glass Round Bottom Headspace Crimp Vials and 20mm Silver Magnetic Caps with Ultra-Clean, Ultra-Low Bleed PTFE-SILICONE Septa





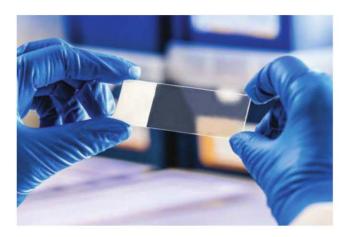






Conforms to ISO 8037 standard

- Fine ground edges slide are manufactured by state-of-art manufacturing process which results in a high quality and polished ground edges.
- Refractive index of 1.53 ± 0.02
- From extremely uniform, thin and flat glass sheets which are very resistant to corrosion and fogging.
- The slide is used for routine microscopy application.



9100 - Microscope Slides

- Made from the finest white glass
- Uniform quality
- High- Precision ground edges on all four sides
- Thin, Flat and resistant to corrosion or fogging
- · Pre-cleaned and ready to use
- Subjected to strict quality control checks, examined individually and environmentally controlled dry before packaging
- Specially designed for meeting the stringent needs of users
- Free from all visual defects

9100P01 - Plain



9100P02 - Plain



9100D01 - Double Frosted



Product Code	Description	Pack Size mm L x B x WT	Quantity Per Packet No.	Packets / Case
9100P01	Plain, Ground Edges	76 x 26 x 1.25	50	25
9100P02	Plain, Ground Edges	76 x 26 x 1	50	25
9100D01	Double Frosted,	76 X 26 X 1	50	25
	Ground Edges			

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





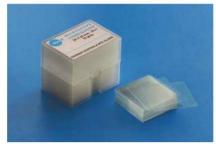
9115 - Cover glass

- · Made from the finest white glass with excellent quality
- Uniform quality
- · Available in both square and rectangular shape
- Cover glass is cut, cleaned, sorted and weighed
- Resistance to corrosion and fogging
- Free from ragged edges, oily film and finger prints
- Packed in reclosable plastic boxes for protection during storage
- · Pre cleaned and ready to use
- Subjected to strict quality control checks, examined individually and environmentally controlled to dry before packaging

9115S01 - Square



9115S02 - Square



9115S03 - Square



Product Code	Description	Pack Size mm	Quantity Per Packet gm	Packets / Case
9115S01	Square	18 x 18	10	50
9115S02	Square	22 x 22	10	50
9115503	Square	24 x 24	10	50

9115R01 - Rectangular



9115R02 - Rectangular



9115R03 - Rectangular



Product Code	Description	Pack Size mm	Quantity Per Packet gm	Packets / Case
9115R01	Rectangular	22 x 40	10	50
9115R02	Rectangular	22 x 50	10	50
9115R03	Rectangular	22 x 60	10	50





"VETROCLEAN is a Phosphate FREE alkaline detergent made up of high quality anionic & non-ionic surfactants with total solid content between 17% - 20%"

- This is special cleaner for glass, quartz and sensitive metals.
- · Bio-degradable.
- pH 6-8, for 2% 5% solution.
- Foam Tendency Non foaming at 2%-5% concentrations.
- Best suited for Manual Cleaning, Soak & CIP, Machine Washers.
- No residue after proper cleaning.
- · Non hazardous.
- Free from scents/toxic ingredients.



9001 - Vetroclean

Product Code	Capacity ml	Quantity Per Case
9001024	500	6
9001033	5000	1
9001041	25000	1

MSDS available on request



Premium Pipettes Tips

Borosil Glass Works Ltd. has always been the pioneer in developing speciality products which would significantly benefit the scientific community.

BOROSIL now introduces premium quality Pipette Tips manufactured with supreme precision.











All BOROSIL tips are.....

- · Certified DNase, RNase and Pyrogen Free
- · Free of PCR inhibitors, lubricants and heavy metals
- Produced from special diamond polish mould using medical grade virgin polypropylene which provides very high transparency
- · With graduations for visual control of liquid transfer
- · Available in both standard as well as low retention
- · With no secondary treatment and with no silicone additives for low retention
- With special PE filters for prevention of aerosols and contamination
- · Specifically configured to fit major Pipette Brands available worldwide

BOROSIL's pipette tips range includes

- Sterile
- Non sterile
- Low retention
- Filter

in capacities of 10µl, 20µl, 50µl, 100µl, 200µl and 1000µl and are available in Bulk, Rack and Reload system

FILTER TIPS

BOROSIL filter tips are manufactured using specifically developed Polyethylene filters to block aerosols from entering into the pipette.

This helps in prevention of cross contamination.

Ideal for use in applications like sequencing, DNA amplification, Tissue culture, RT-PCR and other critical protocols.

LOW RETENTION TIPS

BOROSIL low retention tips are manufactured from a specific resin in combination with high quality diamond finish moulds to give super hydrophobic internal surface. This results in tips having minimum retention with maximum accuracy.

Further since no silicone treatment is given, there is absolutely no leaching effect.







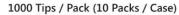


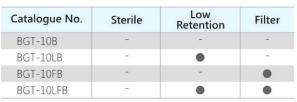
BULK



- Easy tearing
- Self Standing PET bag
- Double sealed bag to prevent contamination



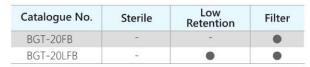






20 μl Universal Graduated Tips (With Filter only)

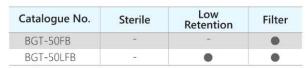
1000 Tips / Pack (10 Packs / Case)





50 μl Universal Graduated Tips (With Filter only)

1000 Tips / Pack (10 Packs / Case)







BULK





100 µl Universal Graduated Tips (With Filter only)

1000 Tips / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-100FB	2.1	-	
BGT-100LFB		•	•



200 µl Universal Graduated Tips

1000 Tips / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-200B	-	.=.	
BGT-200BC*	-	-	-
BGT-200LB	-	•	12
BGT-200FB	ě	-	•
BGT-200LFB	-	•	





1000 µl Universal Graduated Tips

1000 Tips / Pack (5 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-1000B	91	-	-
BGT-1000BC*	-	-	97
BGT-1000LB		•	-
BGT-1000FB	-	-	
BGT-1000LFB	-	•	•

^{*} C indicates **BLUE** Colour



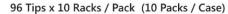


RACK



- Fully autoclavable and stackable
- Hinge rack allows single hand operation

10 μl Universal Graduated Tips



Catalogue No.	Sterile	Low Retention	Filter
BGT-10R	-:	:=:	*
BGT-10SR	•	~	=
BGT-10LR	+.	•	-
BGT-10FR	T-0	1.	
BGT-10SLR	•	•	-
BGT-10SFR	•	-	•
BGT-10LFR	-	•	•
BGT-10SLFR	•	•	



20 µl Universal Graduated Tips (With Filter only)

96 Tips x 10 Racks / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-20FR	-	-	•
BGT-20SFR	•	(-	•
BGT-20LFR	-	•	
BGT-20SLFR	•	•	•



50 μl Universal Graduated Tips (With Filter only)

96 Tips x 10 Racks / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filte
BGT-50FR	-	:-	•
BGT-50SFR	•		•
BGT-50LFR	-	•	•
BGT-50SLFR	•	•	•





100 µl Universal Graduated Tips (With Filter only)

96 Tips x 10 Racks / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-100FR	.=	=	•
BGT-100SFR	•	-	•
BGT-100LFR	-	•	•
BGT-100SLFR	•	•	•



200 µl Universal Graduated Tips

96 Tips x 10 Racks / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-200R	-	=	-
BGT-200SR	•	-	-
BGT-200RC*		2	
BGT-200SRC*	•	-	:5
BGT-200LR	-	•	
BGT-200FR	-	-	•
BGT-200SLR		•	(=
BGT-200SFR	•	-	•
BGT-200LFR	:=:	•	
BGT-200SLFR	•	•	•



1000 µl Universal Graduated Tips

96 Tips x 6 Racks / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-1000R	-	-	-
BGT-1000SR	•	-	-
BGT-1000RC*	-	-	
BGT-1000SRC*	•	-	: -
BGT-1000LR	-	•	
BGT-1000FR	1.7	-	•
BGT-1000SLR	•	•	
BGT-1000SFR	•	-	•
BGT-1000LFR	-	•	•
BGT-1000SLFR	•	•	•



^{*} C indicates **BLUE** Colour



^{*} C indicates **YELLOW** Colour



RELOADING STACK



- Easy to operate
- Require less storage space
- Minimizes wastage and reduces carbon footprint



96 Tips x 10 Plates / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-10Z	-	(#)	-
BGT-10SZ	• -	÷	-
BGT-10LZ	-	-	•
BGT-10SLZ	•	-	•



200 µl Universal Graduated Tips

96 Tips x 10 Plates / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-200Z	-	=:	:=
BGT-200SZ	•	(-)	-
BGT-200LZ	2	-	•
BGT-200SLZ	•	:=:	•

1000 µl Universal Graduated Tips

96 Tips x 10 Plates / Pack (10 Packs / Case)

Catalogue No.	Sterile	Low Retention	Filter
BGT-1000Z	=	:=:	
BGT-1000SZ	-	(=)	1100
BGT-1000LZ	-	-	
BGT-1000SLZ	•	-	•



Empty Tip Bo	oxes
Pack (10 Packs /	Case)
Catalogue N	lo.
BGT-10ETR	
BGT-200ETF	2
BGT-1000ET	ΓR



BOROSIL®



CAUTION NOTICE

We, **Borosil Glass Works Ltd.**, a company registered under the Companies Act, 1956 and having its registered office at Khanna Construction House, 44, Dr. R. G. Thadani Marg, Worli, Mumbai 400 018, are the registered proprietor's of the Trademark BOROSIL® and also the owners and proprietors of the artistic work which subsists in the BOROSIL logo appearing above, which has been registered under the provisions of the Copyright Act, 1957 under no. – A88861/2010.

The said trademark BOROSIL® has been used by us to market, sell and export a wide variety of glassware products since more than 5 (five) decades throughout India as well as several countries across the globe.

The Trademark BOROSIL® has acquired a very high reputation and goodwill by virtue of long, extensive and continuous use. The said trademark is associated and identified exclusively with the goods manufactured, marketed and sold by **Borosil Glass Works Ltd.**

It has, from time to time come to our notice that some persons occasionally try to sell spurious goods by copying the BOROSIL® trademark and/or copyright, and by making their products look like products manufactured, marketed or sold by **Borosil Glass Works Ltd.**, hence **Borosil Glass Works Ltd.**, has taken appropriate legal action whereby the seized spurious goods have been destroyed and damages have been paid by those who were found to be dealing or involved in the manufacture or sale of spurious products bearing the BOROSIL® trademark and/or logo

The trade and public are cautioned that only products manufactured, marketed and sold by **Borosil Glass Works Ltd.**, are permitted to carry the Trademark BOROSIL® or 'Borosil Logo'

Those who are deceiving the public by copying the Trademark BOROSIL® or the BOROSIL logo or using it wrongly on products not made, marketed and/or sold by **Borosil Glass Works Ltd.**, are hereby warned that **Borosil Glass Works Ltd.**, will adopt all legal recourse available to it, which may be Civil or Criminal in nature and may include police raids, to prevent such unauthorized use without giving any further notice.

The Trade and Public are cautioned that they should always request for a bill on purchase of their products, as spurious goods are harmful and have dangerous and adverse effects to the life of the user as well as the nation.

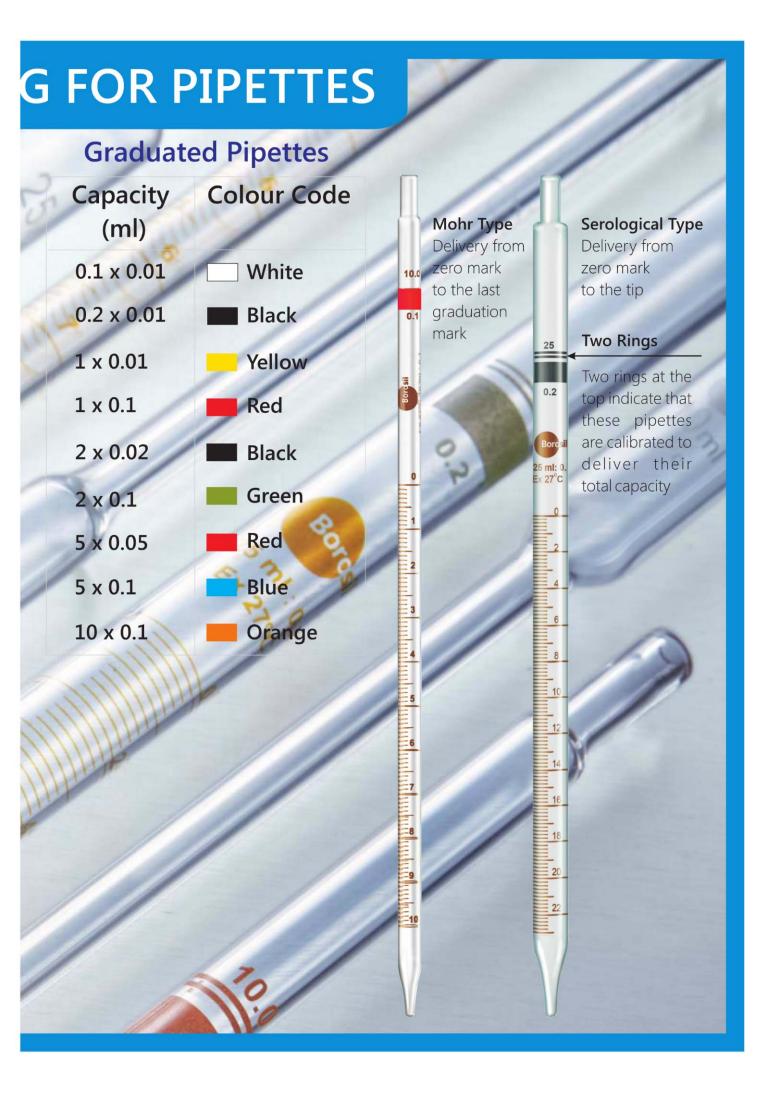
We request you to bring to our attention any instances of such nefarious activities, which you may come across, we shall maintain the secrecy of you identity.

Correspondence in this connection may please be made at registered office address of the company.

COLOUR CODIN

One Mark Pipettes (Volumetric)





NOTES

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Borosil Glass Works Ltd.

an ISO 9001: 2008 certified company CIN: L99999MH1962PLC012538

Registered Office: Khanna Construction House, 44, Dr. R.G. Thadani Marg, Worli, Mumbai - 400 018

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

Tel: Email: Website: Fax:

borosil@borosil.com 022 6740 6300 022 6740 6514 www.borosil.com



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