



United Scientific

Glassware 2020





Properties of United Glassware

Chemical Composition:

Our glassware is manufactured from low-expansion Type 1, Class A Borosilicate 3.3 glass that complies with ASTM E438 Standard Specification for Glasses in Laboratory Apparatus.

It is low alkali glass with a typical chemical composition of approximately 81% silica, 13% boric oxide, 4% sodium oxide, and 2% aluminum oxide. It is virtually free of magnesia-lime-zinc group, and contains only traces of heavy metals.

Thermal Properties:

Borosilicate glass has a low coefficient of thermal expansion. Therefore, the thermal stresses under a given temperature gradient are low, and the glass can withstand higher temperature gradients as well as sudden temperature changes / thermal shocks. However, even minute scratching of glass surface can reduce its thermal resistance.

The 'Strain Point' (about 500°C) is generally recommended as the maximum safe operating temperature for United glassware. The glass may acquire permanent stresses upon cooling if it is heated above 500°C. Our glassware is annealed in modern ovens under strictly controlled conditions to ensure minimal residual stress.



Beakers, Low Form, Borosilicate Glass

Our beakers are made from low-expansion borosilicate glass. Beakers feature heavy and uniform wall thickness, spouts designed for easy pouring, beaded tops, and white printed graduations. The 20ml and larger sizes also have a double graduated metric scale (except for 20000ml) and a marking area. Tolerance for beakers is approximately +/- 5%.

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per pack	Quantity per case
BG1000-5	5	NA	NA	12	48
BG1000-10	10	NA	NA	12	48
BG1000-20	20	5-15	10	12	48
BG1000-25	25	10-20	10	12	48
BG1000-30	30	5-25	10	12	48
BG1000-50	50	10-40	10	12	48
BG1000-100	100	20-80	10	12	48
BG1000-150	150	20-140	20	12	48
BG1000-250	250	25-200	25	12	48
BG1000-400	400	50-300	25	12	48
BG1000-500	500	100-400	50	6	36
BG1000-600	600	100-500	50	6	36
BG1000-800	800	100-750	50	6	24
BG1000-1000	1000	100-900	50	6	24
BG1000-1500	1500	200-1400	200	4	16
BG1000-2000	2000	200-1800	200	1	8
BG1000-3000	3000	250-2500	250	1	4
BG1000-4000	4000	500-3500	500	1	6
BG1000-5000	5000	1000-4000	500	1	4
BG1000-10000	10000	2000-8000	1000	1	1
BG1000-20000	20000	4000-16000	2000	1	1

Chemical Durability:

United glassware is highly resistant to water, neutral and acid solutions, concentrated acids and their mixtures, as well as to chloride, bromine, iodine, and organic matters. Even during extended period of reaction and at temperatures above 100°C, its chemical resistance exceeds that of most metals and other materials. Our glassware can withstand repeated dry and wet sterilization and offers good resistance against various chemicals, except for hydrofluoric acid, hot phosphoric acid and alkaline solutions.

Optical Properties:

United glassware has a clear and colorless appearance, and shows no noticeable absorption in the visible region of the spectrum.

Safety:

Treated with proper care, United glassware will offer long-term, reliable service in the laboratory. Please contact us for detailed recommendations regarding heating and cooling, mixing and stirring, vacuum and pressure, cleaning, and safety precautions that must be followed while using glassware.



Beakers, Berzelius, Tall Form, Borosilicate Glass

Tall form Berzelius beakers include a spout. Our beakers are made from low-expansion borosilicate glass. Beakers feature heavy and uniform wall thickness, spouts designed for easy pouring, and beaded tops. Also include white printed graduations and a marking area. Tolerance for beakers is approximately +/- 5%.

Tall Form Berzelius Beakers with Spout

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per Pack	Quantity per Case
BG1060-100	100	20-80	10	12	48
BG1060-200	200	25-150	25	12	48
BG1060-250	250	25-200	25	12	48
BG1060-300	300	25-250	25	12	48
BG1060-400	400	50-300	25	6	36
BG1060-500	500	100-400	50	6	24
BG1060-600	600	100-500	50	6	24
BG1060-1000	1000	100-900	50	6	18

Tall Form Berzelius Beakers without Spout

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per Pack	Quantity per Case
BG1040-100	100	20-80	10	12	48
BG1040-250	250	25-200	25	12	48
BG1040-500	500	100-400	50	6	24



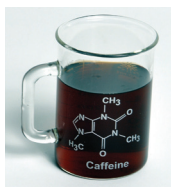
Glassware Beakers / Bottles



BGMG400



BGMG600-T



Back of beakers shows the molecular structure of caffeine.

Beaker Mugs, Borosilicate Glass

These borosilicate glass beaker mugs feature an attached handle and a smooth rim. The molecular structure of caffeine is enameled in white on one side, and the other side has dual metric graduations. Available in Low Form 400ml and Tall Form 600ml versions.

Item No.	Description
BGMG400	Beaker Mug, Low Form, 400ml
BGMG600-T	Beaker Mug, Tall Form, 600ml

Beaker mugs can be private labeled. Please call for details.



BODCAR

BOD Bottles, Borosilicate Glass

BOD Bottles for incubating diluted samples of clean, waste, effluent, and polluted water during the 5-day biochemical oxygen demand (BOD) test. Bottles are unnumbered and feature a penny head stopper.

Item No.	Description	Quantity per pack
BOD060	BOD Bottle, 60ml, unnumbered	36
BOD300	BOD Bottle, 300ml, unnumbered	24
BODCAR	BOD Bottle Carrier	1



Glass Beaker Set of 5, Borosilicate Glass

An ideal starter set for any laboratory, this set contains five borosilicate glass beakers in sizes 50ml, 100ml, 250ml, 600ml, and 1000ml.

Item No.	Description
BGSET5	Glass Beaker Set of 5, Borosilicate



Beakers, Low Form, Heavy Duty, Borosilicate Glass

Heavy duty beakers are ideal for tough handling conditions including mechanized washing. Beakers feature a white double graduated metric scale and a marking area. Tolerance is approximately $\pm 5\%$.

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per Pack	Quantity per Case
BG1003-100	100	20-80	10	12	48
BG1003-150	150	20-140	20	12	48
BG1003-250	250	25-200	25	12	48
BG1003-400	400	50-300	25	12	48
BG1003-600	600	100-500	50	6	36
BG1003-1000	1000	100-900	50	1	24
BG1003-2000	2000	200-1800	200	1	8
BG1003-4000	4000	500-3500	500	1	6



BOD Bottles, Numbered, Borosilicate Glass

BOD Bottles for incubating diluted samples of clean, waste, effluent, and polluted water during the 5-day biochemical oxygen demand (BOD) test. Bottles are numbered to allow for convenient organization of samples. 300ml bottles also include a bar code. Glass robotic stoppers are included.

Available in series of numbers from 1 through 432 in increments of 36 (60ml size) or 24 (300ml size). Please specify series of numbers when placing your order.

Item No.	Description	Quantity per pack
BOD060-N	BOD Bottle, 60ml, numbered	36
BOD300-N	BOD Bottle, 300ml, numbered and barcoded	24
BODCAR	BOD Bottle Carrier	1

Barnes Dropping Bottle, 30ml, Glass

Square-shaped, clear flint glass bottles with glass pipet and rubber bulb stopper. Capacity 30ml. Replacement pipets also available. Standard pack quantity is 36 each.



Item No.	Description
BOT030	Barnes Dropping Bottle, with pipet and rubber bulb
BOT030-PK/36	Barnes Dropping Bottle, with pipet and rubber bulb, pack of 36
BPB010-PK/12	Replacement pipets and bulbs, pack of 12
BULB010-PK/12	Replacement bulbs, pack of 12



NEW PRODUCT

Eye Droppers, Glass

Straight glass pipettes with tapered rubber bulbs. Available in two sizes: approximately 70mm long with 2ml capacity, and approximately 100mm long with 4ml capacity.

Item No.	Description
BPB002-PK/3	Eye Dropper, 2ml, pack of 3
BPB002-PK/12	Eye Dropper, 2ml, pack of 12
BPB002-PK/72	Eye Dropper, 2ml, pack of 72
BPB004-PK/12	Eye Dropper, 4ml, pack of 12



NEW PRODUCT

Bottles with Dropper, Boston Round, Amber, Flint Glass

These amber boston round flint glass bottles include screw cap with dropper assembly are designed for general use. The glass is non-porous, which allows for easy cleaning or autoclaving. The amber color helps protect light sensitive materials.

Item No.	Description	Qty per pack
BDPSC-AM-0.5OZ	Bottles with Dropper, Boston Round, Amber, 0.5oz	12
BDPSC-AM-1OZ	Bottles with Dropper, Boston Round, Amber, 1oz	12
BDPSC-AM-2OZ	Bottles with Dropper, Boston Round, Amber, 2oz	12
BDPSC-AM-4OZ	Bottles with Dropper, Boston Round, Amber, 4oz	12
BDPSC-AM-8OZ	Bottles with Dropper, Boston Round, Amber, 8oz	12



NEW PRODUCT

Flint Bottles, Boston Round, Clear

These Boston Round Flint Bottles include screw cap with dropper assembly are designed for general use. The glass is non-porous, which allows for easy cleaning or autoclaving.

Item No.	Description	Qty per pack
BDPSC-0.5OZ	Flint Bottles, Boston Round, 0.5oz	12
BDPSC-1OZ	Flint Bottles, Boston Round, 1oz	12
BDPSC-2OZ	Flint Bottles, Boston Round, 2oz	12
BDPSC-4OZ	Flint Bottles, Boston Round, 4oz	12
BDPSC-8OZ	Flint Bottles, Boston Round, 8oz	12



NEW PRODUCT

Bottles with Dropper, Square, Flint Glass

These square flint glass bottles include screw cap with dropper assembly are designed for general use. The glass is non-porous, which allows for easy cleaning or autoclaving.

Item No.	Description	Qty per pack
BDFSQ-0.5OZ	Bottles with Dropper, Square, Flint Glass, 0.5oz	12
BDFSQ-1OZ	Bottles with Dropper, Square, Flint Glass, 1oz	12



Glassware Bottles



Media / Storage Bottles, Clear, Borosilicate Glass

These borosilicate glass general purpose media bottles are autoclavable with permanent white imprinted graduations and marking spots. The screw thread opening has an I.D. of approximately 30mm. The supplied GL 45 cap is liner-less and both the cap and drip-free ring are polypropylene and autoclavable to 140°C. Maximum use temperature of bottles is 450°C.

Item No.	Capacity (ml)	Graduation Range (ml)	O.D. x Height (mm)	Quantity per pack
BM0100	100	20-80	56 x 100	10
BM0250	250	50-200	70 x 138	10
BM0500	500	100-400	86 x 175	10
BM1000	1000	100-900	101 x 225	10
BM2000	2000	400-1800	136 x 262	4



NEW PRODUCT

Media / Storage Bottles, Amber, Borosilicate Glass

Designed for storing and transporting light sensitive materials, amber media / solutions bottles are autoclavable with permanent white imprinted graduations and marking spots. The supplied GL 45 cap is liner-less and both the cap and drip-free ring are polypropylene and autoclavable to 140°C. Maximum use temperature of bottles is 450°C.

Item No.	Capacity (ml)	Graduation Range (ml)	OD x Height (mm)	Qty. per Pack
BMA0100	100	40 - 80	56 x 105	10
BMA0250	250	50 - 200	70 x 143	10
BMA0500	500	100 - 400	86 x 182	10
BMA1000	1000	100 - 900	101 x 203	10

Additional sizes including 2L, 5L, 10L, and 20L capacity bottles are available. Contact us for details.



NEW PRODUCT

Media / Storage Bottles, Square, Wide Mouth (GL 80), Borosilicate Glass

Our wide mouth, square-shaped, media bottles have large openings that enable the easy storage and transfer of substances. Every bottle is autoclavable and comes with easy to read imprinted graduations. GL80 Polypropylene screw caps are included.

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	O.D. x Height (mm)	Quantity per pack
BSWM500	500	100-500	100	94 x 139	10
BSWM1000	1000	200-1000	100	105 x 185	10
BSWM2000	2000	400-2000	200	115 x 258	6
BSWM5000	5000	1000-5000	500	160 x 357	1



NEW PRODUCT

Media / Storage Bottles, Square (GL 45), Borosilicate Glass

Space-saving, square-shaped borosilicate glass general purpose media bottles are autoclavable with permanent white imprinted graduations and marking spots. The screw thread opening has an I.D. of approximately 30mm. The supplied GL 45 cap is liner-less and both the cap and drip-free ring are polypropylene and autoclavable to 140°C. Maximum use temperature of bottles is 450°C.

Item No.	Capacity (ml)	Graduation Range (ml)	O.D. x Height (mm)	Quantity per pack
BMS0250	250	50-200	64 x 143	10
BMS0500	500	100-400	78 x 181	10
BMS1000	1000	100-900	94 x 222	10



Volumetric Ware background information

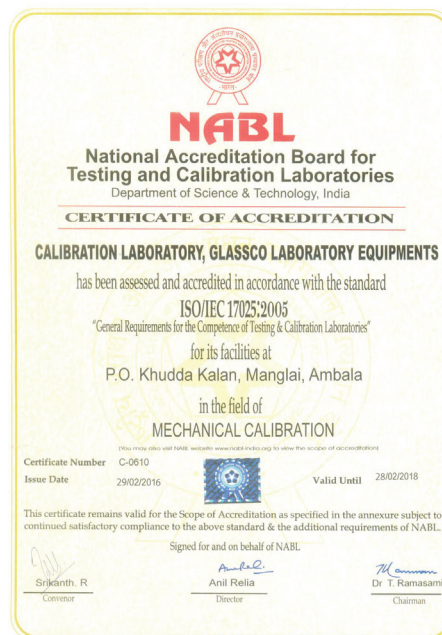
United volumetric glassware is of high quality and manufactured to ASTM standards using state-of-the-art manufacturing and calibration equipment. The calibration laboratory is NABL accredited in accordance with ISO 17025:2005 standards.

Class A versions of our volumetric ware comply with USP (United States Pharmacopia) standards. Burettes and pipettes are calibrated 'to deliver' (TD, Ex). Flasks and graduated cylinders are calibrated 'to contain' (TC, In).

Class B volumetric instruments feature tolerances that are about twice that of comparable Class A instruments (e.g. if a Class A burette has a tolerance of $\pm 0.05\text{ml}$, the corresponding Class B version will have a tolerance of approximately $\pm 0.10\text{ml}$).

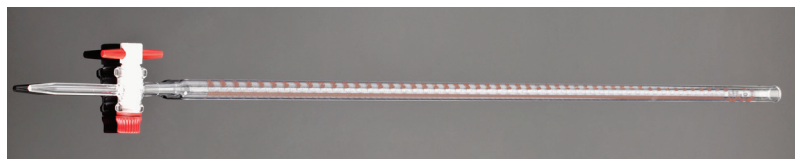
Volumetric instruments can be heated up to 250°C in a drying cabinet or sterilizer without any resulting volume changes. Never heat volumetric instruments on a hot plate.

The standard reference temperature (i.e., the temperature at which volumetric instruments will contain or dispense their stated volume) is 20°C .



United's volumetric ware is calibrated in an NABL-accredited laboratory.

Burettes, Class A, with Straight Bore PTFE Key Stopcock, Batch Certified



Class A, ASTM E287, meets USP standards, batch certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE straight bore stopcock.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
BR2129-10	10	0.05	0.02	1
BR2129-25	25	0.10	0.03	1
BR2129-50	50	0.10	0.05	1

www.glasscolabs.com	
BURETTE WITH PTFE STOPCOCK	
CLASS A	
CATALOGUE NO	115.450.01
NOMINAL VOLUME	10.00 ml
TOLERANCE	± 0.020 ml
COMPLIANCE	ASTM E-287
BATCH NO	11.13
MEAN VOLUME DEL.	9.990 ml
STANDARD DEVIATION	0.004 ml
TESTING DEVICE NAME	SARTORIUS
BALANCE	ABAL-12.420g/0.001g
WEIGHTS	10g
THERMOMETER	DM-03/-50 to 200
OPERATOR	DEG C/0.1DEG
DATE OF ISSUE	ROSHNI
	11.11.13

Each burette includes a batch calibration certificate.

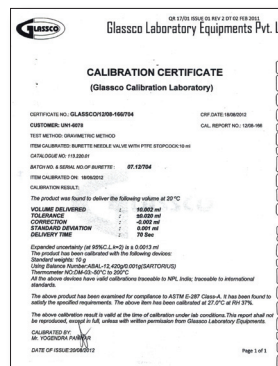
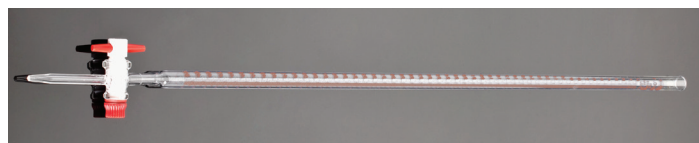


Burettes, Class A, with Straight Bore PTFE Key Stopcock, Individually Certified

Class A, ASTM E287, meets USP standards, serialized and certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE straight bore stopcock.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
BR2128-10	10	0.05	0.02	1
BR2128-25	25	0.10	0.03	1
BR2128-50	50	0.10	0.05	1

Each burette includes an individually serialized certificate.



Burettes, Class A, with Screw Thread Stopcock, Batch Certified

Class A, ASTM E287, meets USP standards, batch certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE screw thread stopcock.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
BR2121-10	10	0.05	0.02	1
BR2121-25	25	0.10	0.03	1
BR2121-50	50	0.10	0.05	1

Each burette includes a batch calibration certificate.



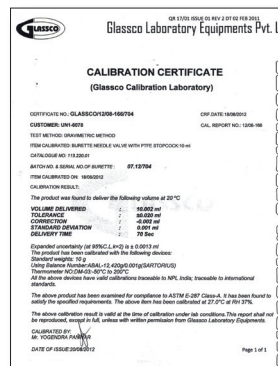
www.glassco.com		
BURETTE WITH PTFE STOPCOCK		
CLASS A		
CATALOGUE NO	:	115.450.01
NOMINAL VOLUME	:	10.00 ml
TOLERANCE	:	± 0.020 ml
COMPLIANCE	:	ASTM E-287
BATCH NO	:	11.13
MEAN VOLUME DEL.	:	9.990 ml
STANDARD DEVIATION	:	0.004 ml
TESTING DEVICE NAME	:	SARTORIUS
BALANCE	:	ABAL-12.420g/0.001g
WEIGHTS	:	10g
THERMOMETER	:	DM-03/-50 to 200
OPERATOR	:	DEG C/0.1DEG
DATE OF ISSUE	:	11.11.13

Burettes, Class A, with Screw Thread Stopcock, Individually Certified

Class A, ASTM E287, meets USP standards, serialized and certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE screw thread stopcock.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
BR2120-10	10	0.05	0.02	1
BR2120-25	25	0.10	0.03	1
BR2120-50	50	0.10	0.05	1

Each burette includes an individually serialized certificate.





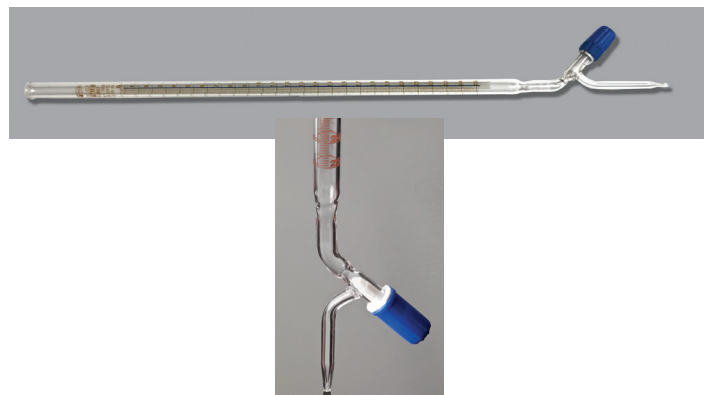
Burettes, Class B, with Straight Bore PTFE Key Stopcock



Burettes are made from the highest quality accurate bore tubing to provide a high degree of accuracy, reliability, and durability. All graduations are in resilient white enamel. Includes PTFE straight bore stopcock. Accuracy as per Class B.

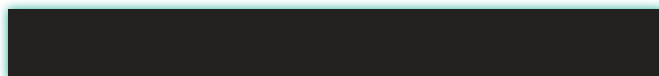
Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
BR2130-10	10	0.05	0.04	1
BR2130-25	25	0.10	0.06	1
BR2130-50	50	0.10	0.10	1
BR2130-100	100	0.20	0.20	1

Burettes, Class B, with Screw Thread Stopcock



Include general purpose screw thread stopcocks with PTFE keys. Burettes are made from the highest quality accurate bore tubing to provide a high degree of accuracy, reliability, and durability. All graduations are in resilient white enamel. Includes PTFE screw thread stopcock. Accuracy as per Class B.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
BR2122-10	10	0.05	0.04	1
BR2122-25	25	0.10	0.06	1
BR2122-50	50	0.10	0.10	1
BR2122-100	100	0.20	0.20	1



Burettes, Class B, with Straight Bore Glass Stopcock

Burettes are made from the highest quality accurate bore tubing to provide a high degree of accuracy, reliability, and durability. All graduations are in resilient white enamel. Includes a straight bore glass stopcock. Accuracy as per Class B.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
BR2124-10	10	0.05	0.04	1
BR2124-25	25	0.10	0.06	1
BR2124-50	50	0.10	0.10	1
BR2124-100	100	0.20	0.20	1

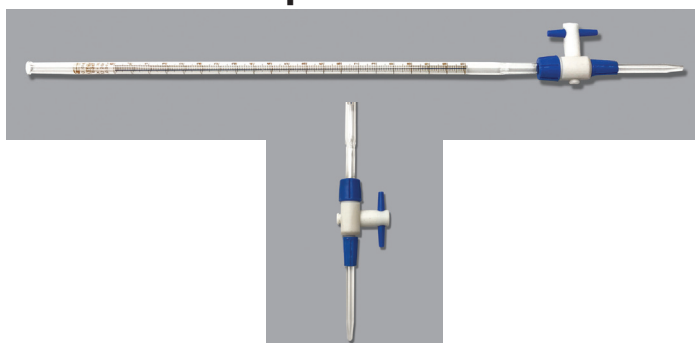


Burettes, Class B, with PTFE Detachable Stopcocks

Burettes are made from the highest quality accurate bore tubing to provide a high degree of accuracy, reliability, and durability. Accuracy as per Class B.

PTFE stopcock and tip detaches from the body of the burette for easy cleaning and convenient replacement of broken tips.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
BR2116-10	10	0.05	0.04	1
BR2116-25	25	0.10	0.06	1
BR2116-50	50	0.10	0.10	1





BRA217-50 Automatic Burette shown with BRB2000 Bottle.

Automatic Burettes, Borosilicate Glass, Class A, Individually Certified

Self-zeroing burette mounts on a glass bottle. Includes a PTFE needle valve stopcock, intermediate stopcock and rubber bellows.

Class A, ASTM E-287, meets USP standards, individually serialized and certified. Includes Schellbach backing for easy reading of liquid levels. With amber graduations. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines.

Glass bottles with ground glass joints are sold separately. 500ml bottle size is compatible with the 10ml automatic burette. 2000ml bottle size is compatible with the 25ml and 50ml automatic burettes.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Bottle Capacity (ml)	Qty per pack
BRA217-10	10	0.05	0.02	500	1
BRA217-25	25	0.10	0.03	2000	1
BRA217-50	50	0.10	0.05	2000	1

Item No.	Description	Qty per pack
BRB0500	Bottle only for Automatic Burettes, 500ml	1
BRB2000	Bottle only for Automatic Burettes, 2000ml	1



Crucibles, Tall Form, Glass

Tall form clear quartz glass crucibles are ideal for analytical applications that require ashing of samples. Quartz material offers low expansion, dimensional stability, and thermal shock resistance. Can withstand a continuous operating temperature of 1050°C (1922°F). Lids are also manufactured from quartz and sold separately.

Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Lid Item No.	Quantity per pack
CQP015	15	35	40	CQP015-L	1
CQP025	25	45	45	CQP025-L	1
CQP050	50	55	50	CQP050-L	1



Crucibles, Glass

Clear quartz glass crucibles are useful for analytical applications that require ashing of samples. Quartz material offers low expansion, dimensional stability, and thermal shock resistance. Can withstand a continuous operating temperature of 1050°C (1922°F). Lids are also manufactured from quartz and sold separately.

Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Lid Item No.	Quantity per pack
CGQ015	15	25	41	CGQ015-L	1
CGQ025	25	28	47	CGQ025-L	1
CGQ050	50	37	57	CGQ050-L	1
CGQ080	80	45	67	CGQ080-L	1
CGQ100	100	48	70	CGQ100-L	1
CGQ150	150	51	82	CGQ150-L	1



Vigreux Distilling Columns, 24/40 Joint

A Vigreux column is a type of air condenser where the simple tube has been modified to include an abundance of downward-pointing indentations. This dramatically increases the surface area per unit length of the condenser. Socket is 24/40.

Item No.	Description
CDV200	Condenser, Vigreux, 200mm, 24/40 Joint
CDV300	Condenser, Vigreux, 300mm, 24/40 Joint
CDV400	Condenser, Vigreux, 400mm, 24/40 Joint
CDV500	Condenser, Vigreux, 500mm, 24/40 Joint



ADTHW-24



ADB105-24

Adapters, 3-Way, 24/40 Joint

3-Way adapter has a 75° angle sidearm with inner joints on the sidearm and bottom and an outer joint on the top. Inclined adapter has a 105° angle sidearm with outer joints on the sidearm and top and an inner joint on the bottom. Both adapters have 24/40 joints.

Item No.	Description
ADTHW-24	Adapter, 3-Way, 24/40 Joint
ADB105-24	Adapter, Inclined, 105°, 24/40 Joint



ADV160-24

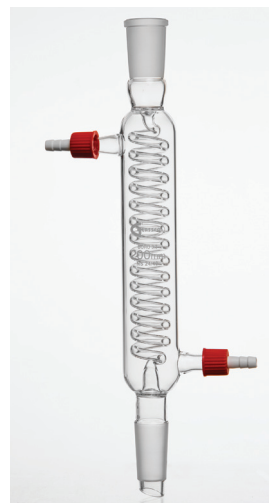


ADVS01-24

Adapters, Vacuum

Vacuum adapters have 24/40 joints. Bent adapter has a 105° angle between the top outer joint and bottom inner joint. Straight adapter has a top outer joint and bottom inner joint. Both adapters have 24/40 joints and include a 3/8" hose connector.

Item No.	Description
ADV160-24	Vacuum Adapter, Bent, 24/40 Joint
ADVS01-24	Vacuum Adapter, Straight, 24/40 Joint



Condensers, Graham, 24/40 Joint

Graham condenser is designed for use in distillation applications. Constructed of borosilicate glass, this condenser has a coiled inner tube to provide additional surface area for highly efficient cooling. Socket is 24/40 with a screw thread connector.

Item No.	Description
CNG200	Condenser, Graham, 200mm, 24/40 Joint
CNG300	Condenser, Graham, 300mm, 24/40 Joint
CNG400	Condenser, Graham, 400mm, 24/40 Joint
CNG500	Condenser, Graham, 500mm, 24/40 Joint



Condensers, Liebig, 24/40 Joint

Liebig condensers are used to cool and condense hot vapor as part of a distilling apparatus. This condenser has a straight inner tube that the condensing vapor passes through, and a larger outer jacket that cooling water passes through. Socket is 24/40 with a screw thread connector.

Item No.	Description
CNL200	Condenser, Liebig, 200mm, 24/40 Joint
CNL300	Condenser, Liebig, 300mm, 24/40 Joint
CNL400	Condenser, Liebig, 400mm, 24/40 Joint
CNL500	Condenser, Liebig, 500mm, 24/40 Joint



Glassware Cylinders



Nessler Cylinders, Class A, Individually Certified, Borosilicate Glass

Nessler cylinders are used for comparison of color and turbidity between solutions or as reaction vessels. Made from borosilicate glass and calibrated to Class A standards. Include an optically plane bottom as well as markings for nominal stroke volume and halfway mark.

Item No.	Capacity (ml)	Volume Markings (ml)	Tolerance (\pm ml)	Quantity per pack
CGN050	50	25 and 50	0.4	10
CGN100	100	50 and 100	0.8	10



Hydrometer cylinder shown with hydrometer.



Hydrometer Cylinders, Borosilicate Glass

Made from heavy borosilicate glass, these cylinders have a beaded top with a pouring spout and a round base for stability.

Item No.	Capacity (ml)	O.D. x Height (mm)	Quantity per pack
HYC500	500	53 x 323	1
HYC600	600	53 x 409	1
HYC1000	1000	67 x 460	1
HYC1200	1200	67 x 473	1



Graduated Cylinders, Plastic Base, Borosilicate Glass

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and plastic hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
CY137-10	10	0.2	0.2	10
CY137-25	25	0.5	0.34	10
CY137-50	50	1	0.5	10
CY137-100	100	1	1.0	10
CY137-250	250	2	2.0	10



Graduated Cylinders, Class B, Borosilicate Glass

Cylinders comply with ASTM E1272, Class B standards.

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and attached glass hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
CY3022-10	10	0.2	0.2	24
CY3022-25	25	0.5	0.34	18
CY3022-50	50	1	0.5	18
CY3022-100	100	1	1.0	12
CY3022-250	250	2	2.0	12
CY3022-500	500	5	4.0	8
CY3022-1000	1000	10	6.0	1
CY3022-2000	2000	20	12.0	1

Graduated Cylinders, Glass, Class A, Batch Certified




Cylinders comply with ASTM E1272, Class A standards, batch certified.

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (± ml)	Quantity per pack
CY3021-10	10	0.2	0.10	1
CY3021-25	25	0.5	0.17	1
CY3021-50	50	1.0	0.25	1
CY3021-100	100	1.0	0.50	1
CY3021-250	250	2.0	1.0	1
CY3021-500	500	5.0	2.0	1
CY3021-1000	1000	10.0	3.0	1
CY3021-2000	2000	20.0	6.0	1

www.classo.com

MEASURING CYLINDER HEX BASE

CLASSO  ISO 9001:2000

CLASS A	
CATINOLOGUE NO :	130.450.001
NOMINAL VOLUME :	100.00 ml
TOLERANCE :	+0.400 ml
COMPLIANCE :	ASTM E-1272
BATCH NO :	D-08
MEAN VOLUME	
CONTAINED :	99.936 ml
STANDARD DEVIATION :	0.166 ml
TESTING DEVICE NAME :	SARTORIUS
BALANCE :	ABAL-03,420g/0.001g
WEIGHTS :	AUTO
THERMOMETER :	DEG C/0.100 C
OPERATOR :	MONICA
DATE OF ISSUE :	08.11.10

Cylinders on this page are calibrated to contain.
We also offer Class A cylinders that are calibrated to deliver.
Please call for details.

**Each cylinder includes
a batch calibration certificate.**

Graduated Cylinders, Glass, Class A, Individually Certified



Cylinders comply with ASTM E1272, Class A, meets USP standards, individually serialized and certified.

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (± ml)	Quantity per pack
CY3020-10	10	0.2	0.10	1
CY3020-25	25	0.5	0.17	1
CY3020-50	50	1.0	0.25	1
CY3020-100	100	1.0	0.50	1
CY3020-250	250	2.0	1.0	1
CY3020-500	500	5.0	2.0	1
CY3020-1000	1000	10.0	3.0	1
CY3020-2000	2000	20.0	6.0	1

**Each cylinder includes
an individually
serialized certificate.**

[illegible]



Glassware Cylinders



Graduated Cylinders, Glass, Class A, Batch Certified, with Stopper

Cylinders comply with ASTM E1272, Class A standards, batch certified. Each cylinder includes a hollow glass stopper.

Double metric scale, calibrated to contain. Borosilicate glass cylinders feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
CY2981-10	10	0.2	0.10	1
CY2981-25	25	0.5	0.17	1
CY2981-50	50	1.0	0.25	1
CY2981-100	100	1.0	0.50	1
CY2981-250	250	2.0	1.0	1
CY2981-500	500	5.0	2.0	1
CY2981-1000	1000	10.0	3.0	1
CY2981-2000	2000	20.0	6.0	1

www.glassco.com		
MEASURING CYLINDER HEX BASE WITH GLASS STOPPER		
CATALOGUE NO	142.451.05	ISO 9001:2008
NOMINAL VOLUME	250.00 ml	
TOLERANCE	± 1.00 ml	
COMPLIANCE	ASTM E-1272	
BATCH NO	07.12	
MEAN VOLUME		
CONTAINED	250.00 ml	
STANDARD DEVIATION	0.45 ml	
TESTING DEVICE NAME	CHALUS	
BALANCE	BAL-01.3100g/0.01g	
WEIGHTS	250g	
THERMOMETER	DM-92-50 to 200	
OPERATOR	DEG C10.1DEG C	
DATE OF ISSUE	18.08.12(040612)	

Each cylinder includes a batch calibration certificate.

Cylinders on this page are calibrated to contain. We also offer Class A cylinders that are calibrated to deliver. Please call for details.



Graduated Cylinders, Glass, Class A, Individually Certified, with Stopper

Cylinders comply with ASTM E1272, Class A, meets USP standards, individually serialized and certified. Each cylinder includes a hollow glass stopper.

Double metric scale, calibrated to contain. Borosilicate glass cylinders feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (\pm ml)	Quantity per pack
CY2980-10	10	0.2	0.10	1
CY2980-25	25	0.5	0.17	1
CY2980-50	50	1.0	0.25	1
CY2980-100	100	1.0	0.50	1
CY2980-250	250	2.0	1.0	1
CY2980-500	500	5.0	2.0	1
CY2980-1000	1000	10.0	3.0	1
CY2980-2000	2000	20.0	6.0	1

GLASSCO		ISO 9001:2008
Glassco Laboratory Equipments Pvt. Ltd.		
CALIBRATION CERTIFICATE		
(Glassco Calibration Laboratory)		
CERTIFICATE NO. GLASSCO/2012/0202	CAL DATE: 20/03/2012	
CUSTOMER: DR. J. K. SHARMA	CAL REPORT NO. 12/03/2012	
TEST METHOD: GRAVIMETRIC METHOD		
ITEM: CALIBRATED MEASURING CYLINDER (SERIALIZED) WITH GLASS STOPPER, 250 ml		
CAPACITY: 250 ml		
ANTHONY & BOWEN, ALL OF MEASURING CYLINDER, 250 ml		
CALIBRATION RESULTS		
The product was found to contain the following volume at 20°C		
VOLUME CAPACITY	250 ml	
TOLERANCE	± 1.00 ml	
STANDARD DEVIATION	0.45 ml	
Expanded uncertainty (at 95%) is ± 1.00 ml		
The product has been calibrated with the following device:		
Device Name	CHALUS	
Device Model	DM-92-50 to 200	
Device Serial No.	07.12	
All the above devices have valid calibration traceable to NPL, India, traceable to International Standards.		
The above product has been calibrated to comply with ASTM E1272, Class A, and is found to satisfy the specified requirements. The above has been calibrated at 20°C \pm 0.1°C.		
The above calibration result is valid at the time of calibration under the conditions. This report and its contents, except for the signature and other information from Glassco Laboratory, shall remain confidential.		
CALIBRATED BY: DR. J. K. SHARMA		
DATE OF ISSUE: 20/03/2012		
Page 1 of 1		

Each cylinder includes an individually serialized certificate.





Desiccators, Glass

These clear non-vacuum desiccators are manufactured from borosilicate glass and include a borosilicate glass lid with a molded-in knob. Clear glass provides excellent visibility and can be autoclaved. The rims of the desiccator and lid are ground glass and require greasing before use to create an air-tight seal.

Also includes a perforated porcelain desiccator plate that fits onto a ridge above the lower chamber. A standard drying agent such as silica or anhydrous calcium chloride can be positioned in the lower chamber.

Item No.	Size	Flange OD/ID (mm)	Top Chamber Dia. / Height (mm)	Maximum Clearance* (mm)	Qty per pack
DSGL150	6" / 150mm	150/140	150/90	120	1
DSGL210	8" / 200mm	200/180	200/105	175	1
DSGL300	12" / 300mm	300 / 234	300 / 125	205	1

* Maximum clearance above plate.



Petri Dishes, Borosilicate Glass

Made from high quality borosilicate glass, these autoclavable, flat, clear petri dishes can withstand repeated sterilization and can be used many times. Each dish includes a lid. Note: lids do not seal air-tight.

Item No.	Description	Quantity per pack
G1060	Glass Petri Dish 60 x 65 x 15mm	10
G1075	Glass Petri Dish, 75 x 82 x 15mm	10
G1100	Glass Petri Dish, 100 x 107 x 20mm	10

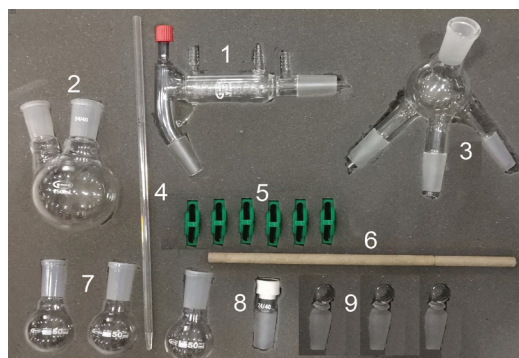
NEW PRODUCT

Short Path Distillation Head

Short path Distillation Head with 24/40 flask joints and 10/30 thermometer port. Distillation head is manufactured from high quality 3.3 borosilicate glass and features a condenser coil and three 1/4" hose nozzles, two for condenser and one for vacuum.



Item No.	Description
DSH85	Short Path Distillation Head



NEW PRODUCT

Short Path Distillation Kit, 250ml

This kit contains essential components for short path distillation. All glass parts are manufactured from high quality 3.3 borosilicate glass.

Short Path Distillation Head with 24/40 flask joints and 10/30 thermometer port features a condenser coil and three 1/4" hose nozzles, two for condenser and one for vacuum.

The cow-type Distillation Receiver has one 24/40 outer joint and three 24/40 inner joints that can be used to attach up to three (included) 50ml Single Neck round bottom flasks.

The 250ml round bottom 2-Neck flask includes 24/40 outer joints to accept the Distillation Head and the Rubber Inlet Adapter. The Rubber Inlet Adapter holds the tapered Glass Inlet Tube.

The Thermometer, with a range of -10° to 50° C and filled with a petroleum-based solution with red dye, connects to the Distillation Head through the 10/30 port.

Plastic Clamps (six included in the kit), size 24, are used to secure glassware connections.

Penny Head Glass Stoppers (three included in the kit) are used to cap the 50ml Single Neck round bottom flasks after distillate is collected.

Contents:

1. Short Path Distillation Head, Vacuum Jacketed, 24/40 1
2. Flask, Round Bottom, 2-Neck 250ml 1
3. Distillation Receiver, Cow-Type, 1-to-3, 24/40 1
4. Glass Inlet Tube, with Tapered End, 11" 1
5. Clamp for Jointed Glassware, Plastic, size 24 6
6. Thermometer, Red Spirit, -10° to 50° C, 12" 1
7. Flask, Round Bottom, Single Neck, 50ml, 24/40 3
8. Inlet Adapter, Rubber, with Glass Connector, 24/40 1
9. Stopper, Glass, Penny Head, 24/40 3

Item No.	Description
SPDK01	Short Path Distillation Kit, 250ml



NEW PRODUCT

Short Path Distillation Kit, 10L

This kit contains essential components for short path distillation. All glass parts are manufactured from high quality 3.3 borosilicate glass.

Short Path Distillation Head (two included in the kit) with 24/40 flask joints features a condenser coil and three 1/4" hose nozzles, two for condenser and one for vacuum.

The cow-type Distillation Receiver (two included in the kit) has one 24/40 outer joint and three 24/40 inner joints that can be used to attach up to three 2000ml Single Neck round bottom evaporating flasks (six included in the kit).

The 10000ml round bottom 3-Neck flask includes 24/40 outer joints to accept the two included Distillation Heads. The center 24/40 joint holds the included Thermometer Inlet Adapter using a 10/30 port.

Penny Head Glass Stoppers (four included in the kit) are used to cap the 2000ml Single Neck round bottom flasks after distillate is collected.

PLEASE NOTE: Lab Jacks, Support Stands, Flask Stands, and Extension Clamps with Bosshead are not included in this kit.



Contents:

- 1. Short Path Distillation Head, Vacuum Jacketed, 24/40, 34/45 2
- 2. Flask, Round Bottom, 3-Neck 10000ml 24/40, 34/45. 1
- 3. Distillation Receiver, Cow-Type, 250ml, 1-to-3, 24/40. 2
- 4. Clamp for Jointed Glassware, Plastic, size 24 8
- 5. Clamp for Jointed Glassware, Plastic, size 34 2
- 6. Adapter Inlet, Thermometer, 24/40 1
- 7. Flask, Evaporating, Single Neck, 2000ml, 24/40 6
- 8. Stopper, Glass, Penny Head, 24/40 (not shown in photo) 4

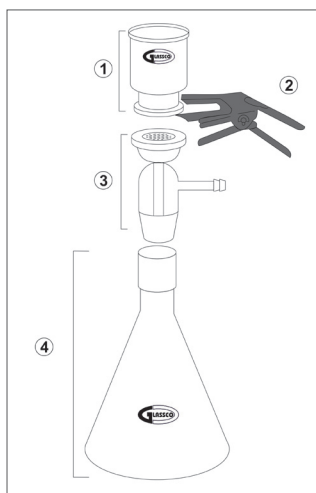
Item No.	Description
SPD102	Short Path Distillation Kit, 10L



All-Glass Vacuum Filter Holder Set, 47mm



FHAG47



Replacement Parts

- 1 - FHGF300 Glass Funnel, 300ml
- 2 - FHSC47 Spring Clamp, 47mm
- 3 - FHGBC47 Glass Base and Cap, 47mm
- 4 - FHFG1000 Flask, 1000ml, with Ground Glass Joints

This all-glass filter holder is used in particulate contamination analysis for filtering aqueous, organic, or corrosive liquids. It is also recommended for HPLC solvent filtration. Complete set includes a borosilicate glass funnel, anodized aluminum spring clamp, vacuum base with sintered disc, and ground joint flask. Membrane filters are not included. Parts are also available separately.

Item No.	Description
FHAG47	Vacuum Filter Holder Set, 47mm
FHGF300	Replacement Glass Funnel, 300ml
FHSC47	Replacement Spring Clamp, 47mm
FHGB47	Replacement Glass Base and Cap, 47mm
FHFG1000	Replacement Flask with Ground Glass Joints, 1000ml

Specifications

Materials:

Borosilicate glass funnel, base and tubulated cap; anodized aluminum spring clamp; fritted glass filter support

Filter Diameter:

47mm

Filtration Area:

9.6cm²

Capacity:

Funnel: 300ml
Flask: 1L

Outlet Fitting:

6mm (1/4") O.D. tubulated cap sidearm to vacuum

Vacuum Filter Holder Set with Fritted Glass Support Base, 47mm

Designed for bacteriological analysis of water using 47mm sterile membrane filters. Also applicable for analysis of suspended solids in water using 47mm depth filters. Complete set includes a borosilicate glass funnel and base, anodized aluminum spring clamp, and perforated silicone stopper. Parts are also available separately.

Item No.	Description
FHFT47	Vacuum Filter Holder Set, 47mm
FHGF300	Replacement Glass Funnel, 300ml
FHBG47	Replacement Base for 47mm Glass Filter Holder
FHSC47	Replacement Spring Clamp, 47mm
FHSTS8	Replacement Silicone Stopper, Perforated, Size #8

Specifications

Materials:

Borosilicate glass funnel and base; coarse-frit glass filter support; anodized aluminum spring clamp; silicone stopper

Filter Diameter:

47mm

Filtration Area:

9.6cm²

Capacity:

Funnel: 300ml

Prefilter Diameter:

Thick Depth Prefilter: 35mm
Membrane Prefilter: 47mm

Outlet Fitting:

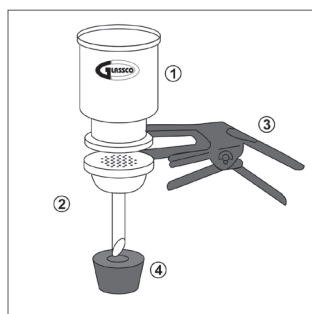
6mm (1/4") O.D. tubulated cap sidearm to vacuum

Dimensions:

Height: 22.9cm
Diameter: 7.6cm

Sterilization Method:

30 UV sterilize or autoclave without filter in place



Replacement Parts

- 1 - FHGF300 Glass Funnel, 300ml
- 2 - FHBG47 Base for 47mm Glass Filter Holder
- 3 - FHSC47 Spring Clamp, 47mm
- 4 - FHSTS8 Silicone Stopper, Perforated, Size #8

Optional Accessories

Item No.	Description
FHFL1000	Vacuum Filtering Flask, 1L capacity
FHFL4000	Vacuum Filtering Flask, 4L capacity



FHFT47



Vacuum Filter Holder Set with PTFE Coated Funnel and Base, 47mm

Designed for bacteriological analysis where it is necessary to sterilize the filter holder with the membrane filter in place. The glass surface is coated with PTFE to avoid filter damage and membrane adhesion during autoclaving. Complete set includes a PTFE-faced borosilicate glass funnel and PTFE-faced base, anodized aluminum spring clamp, and perforated silicone stopper. Parts are also available separately.

Item No.	Description
FHPT47	Vacuum Filter Holder Set with PTFE-Coated Funnel and Base, 47mm
FHFP300	Replacement PTFE-Coated Glass Funnel, 300ml
FHBP47	Replacement PTFE-Coated Glass Base, 47mm
FHSC47	Replacement Spring Clamp, 47mm
FHSTS8	Replacement Silicone Stopper, Perforated, Size #8

Specifications

Materials:

Borosilicate PTFE-faced glass funnel and PTFE-faced base; anodized aluminum spring clamp; silicone stopper

Filter Diameter:

47mm

Filtration Area:

9.6cm²

Capacity:

Funnel: 300ml

Prefilter Diameter:

Thick Depth Prefilter:

35mm

Membrane Prefilter: 47mm

Outlet Fitting:

6mm (1/4") O.D. tubulated cap sidearm to vacuum

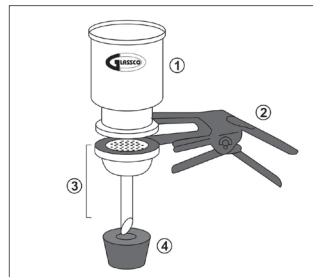
Dimensions:

Height: 22.9cm

Diameter: 7.6cm

Sterilization Method:

30 UV sterilize or autoclave without filter in place



Replacement Parts

- 1 - FHFP300 PTFE-Coated Glass Funnel, 300ml
- 2 - FHSC47 Spring Clamp, 47mm
- 3 - FHBP47 PTFE-Coated Glass Base, 47mm
- 4 - FHSTS8 Silicone Stopper, Perforated, Size #8



FHPT47

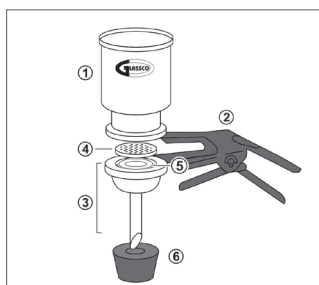
Optional Accessories

Item No.	Description
FHFL1000	Vacuum Filtering Flask, 1L capacity
FHFL4000	Vacuum Filtering Flask, 4L capacity

Vacuum Filter Holder Set with Stainless Steel Screen, 47mm



FHSS47



Replacement Parts

- 1 - FHGF300 Glass Funnel, 300ml
- 2 - FHSC47 Spring Clamp, 47mm
- 3 - FHBS47 Glass Base, 47mm
- 4 - FHSSR47 Support Screen, Stainless, 47mm
- 5 - FHGSP47 Gasket, PTFE, 47mm
- 6 - FHSTS8 Silicone Stopper, Perforated, Size #8

Optional Accessories

Item No.	Description
FHFL1000	Vacuum Filtering Flask, 1L capacity
FHFL4000	Vacuum Filtering Flask, 4L capacity

Designed for analyzing particulate contamination of hydraulic fluids and oils using gravimetric or particulate counting methods, and can be used in exfoliative cytology applications. Complete set includes a borosilicate glass funnel and base, anodized aluminum spring clamp, stainless steel support screen, PTFE gasket, and perforated silicone stopper. Parts are also available separately.

Item No.	Description
FHSS47	Vacuum Filter Holder Set with Stainless Steel Screen, 47mm
FHGF300	Replacement Glass Funnel, 300ml
FHBS47	Replacement Glass Base, 47mm
FHSC47	Replacement Spring Clamp, 47mm
FHSSR47	Replacement Support Screen, Stainless, 47mm
FHGSP47	Replacement Gasket, PTFE, 47mm
FHSTS8	Replacement Silicone Stopper, Perforated, Size #8

Specifications

Materials:

Borosilicate glass funnel and base; stainless steel screen filter support; anodized aluminum spring clamp; silicone stopper

Filter Diameter:

47mm

Filtration Area:

9.6cm²

Capacity:

Funnel: 300ml

Prefilter Diameter:

Thick Depth Prefilter:

35mm

Membrane Prefilter: 47mm

Outlet Fitting:

6mm (1/4") O.D. tubulated cap sidearm to vacuum

Dimensions:

Height: 22.9cm

Diameter: 7.6cm

Sterilization Method:

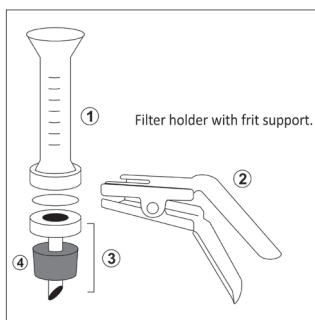
30 UV sterilize or autoclave without filter in place



Microanalysis Vacuum Filter Holder Set, 25mm with Fritted Glass Filter Support



FHMA25



Replacement Parts

- 1 - FHGF15 Glass Funnel, 15ml
- 2 - FHSC25 Spring Clamp, 25mm
- 3 - FHGBS25 Fritted Glass Base with Stopper, 25mm
- 4 - FHSTS5 Silicone Stopper, No. 5

Designed for particulate or biological contamination analysis of small volumes using a vacuum filter. Includes a fritted glass filter support and No. 5 perforated silicone stopper for easy attachment to a vacuum filtering flask. Membrane filters are not included. Thick prefilters or laminated filters will not seal in this holder, and it is not autoclavable with membrane filters installed. Unlaminated PTFE or PVDF membranes are recommended for solvent applications.

Complete set includes a borosilicate glass funnel and base, fritted glass filter support, anodized aluminum spring clamp, and silicone stopper. Parts are also available separately.

Item No.	Description
FHMA25	Microanalysis Vacuum Filter Holder Set, Fritted Glass, 25mm
FHGF15	Replacement Glass Funnel, 15ml
FHSC25	Replacement Spring Clamp, 25mm
FHGBS25	Replacement Fritted Glass Base with Stopper, 25mm
FHSTS5	Replacement Perforated Silicone Stopper, No. 5

Optional Accessory

Item No.	Description
FHFL125	Vacuum Filtering Flask, 125ml capacity

Specifications

Materials:

Borosilicate glass funnel and base; anodized aluminum spring clamp; fritted glass filter support; silicone stopper

Filter Diameter:

25mm

Filtration Area:

2.5cm²

Capacity:

Funnel: 15ml

Outlet Fitting:

No. 5 perforated silicone stopper mounts in standard 125ml filtering flask

Dimensions:

Height: 15.2cm
Diameter: 2.5cm

Microanalysis Vacuum Filter Holder Set, 25mm with Stainless Filter Support

Designed for particulate or biological contamination analysis of small volumes using a vacuum filter. Includes a stainless steel screen filter support and No. 5 perforated silicone stopper for easy attachment to a vacuum filtering flask. Membrane filters are not included. Thick prefilters or laminated filters will not seal in this holder, and it is not autoclavable with membrane filters installed. Unlaminated PTFE or PVDF membranes are recommended for solvent applications.

Complete set includes a borosilicate glass funnel and base, removable stainless steel screen filter support, anodized aluminum spring clamp, and silicone stopper. Parts are also available separately.

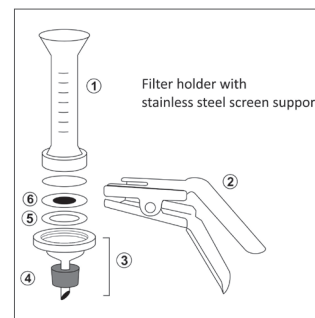
Item No.	Description
FHMA25-S	Microanalysis Vacuum Filter Holder Set, Stainless, 25mm
FHGF15	Replacement Glass Funnel, 15ml
FHSC25	Replacement Spring Clamp, 25mm
FHBSS25	Replacement Base and Stainless Steel Screen, 25mm
FHSTS5	Replacement Perforated Silicone Stopper, No. 5
FHGSTF	Gasket, Teflon
FHSSR25	Support Screen, Stainless Steel, 25mm

Optional Accessory

Item No.	Description
FHFL125	Vacuum Filtering Flask, 125ml capacity



FHMA25-S



Replacement Parts

- 1 - FHGF15 Glass Funnel, 15ml
- 2 - FHSC25 Spring Clamp, 25mm
- 3 - FHBSS25 Base and Stainless Steel Screen, 25mm
- 4 - FHSTS5 Silicone Stopper, No. 5
- 5 - FHGSTF Teflon Gasket
- 6 - FHSSR25 Support Screen, Stainless Steel, 25mm

Specifications

Materials:

Borosilicate glass funnel and base; anodized aluminum spring clamp; removable stainless steel screen filter support; silicone stopper

Filter Diameter:

25mm

Filtration Area:

2.5cm²

Capacity:

Funnel: 15ml

Outlet Fitting:

No. 5 perforated silicone stopper mounts in standard 125ml filtering flask

Dimensions:

Height: 15.2cm
Diameter: 2.5cm



All-Glass Vacuum Filter Holder Set, 90mm

This all-glass filter holder is used in particulate contamination analysis for filtering aqueous, organic, or corrosive liquids. It is also recommended for HPLC solvent filtration. Complete set includes a borosilicate glass funnel, base and tubulated cap, anodized aluminum spring clamp, and PTFE-coated stainless steel screen. Membrane filters are not included. Parts are also available separately.

Item No.	Description
FHSS90	Vacuum Filter Holder Set, 90mm
FHGF1000	Replacement Glass Funnel, 1000ml
FHSC90	Replacement Spring Clamp, 90mm
FHBC90	Replacement Glass Base and Cap, 90mm
FHSSR90	Replacement Support Screen, Stainless, PTFE Coated, 90mm
FHGP90	Replacement Gasket, PTFE, 90mm

Optional Accessories

Item No.	Description
FHFG1000	Flask, 1000ml capacity, with Ground Glass Joints
FHBT2000	Vacuum Bottle, 2L capacity
FHBT5000	Vacuum Bottle, 5L capacity



FHBT2000



FHFG1000



FHSS90

Specifications

Materials:

Borosilicate glass funnel, base and tubulated cap; anodized aluminum spring clamp; PTFE-coated stainless steel screen

Filter Diameter:

90mm

Capacity:

Funnel: 1000ml

Outlet Fitting:

6mm (1/4") O.D. tubulated cap sidearm to vacuum



Distilling Flasks, Borosilicate Glass

Our distilling flasks are made from low-expansion borosilicate glass. Uniform wall thickness provides superior mechanical strength and shock resistance. Long side arm is ideal for distillation applications. Feature large white block letters for easy identification of capacity.

Item No.	Capacity (ml)	Quantity per pack
FG4620-100	100	12
FG4620-125	125	12
FG4620-250	250	12
FG4620-500	500	6
FG4620-1000	1000	6
FG4620-2000	2000	4



Recovery Flasks, Pear Shaped, Borosilicate Glass

Heavy wall recovery flasks are ideal for use with rotary evaporators. Flasks feature a square bead and a single neck with ground glass 24/40 joint. Opening at top is designed for easy recovery of reaction products using a spatula. Flask bottom fits standard heating mantles.

Recovery flasks can be special ordered with custom joint sizes and capacities.

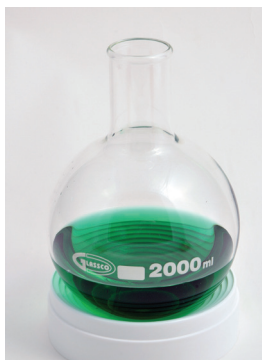
Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Joint Size	Qty per pack	Qty per case
FGR0050	50	48 x 85	24/40	6	24
FGR0100	100	60 x 105	24/40	6	24
FGR0250	250	80 x 140	24/40	6	24
FGR0500	500	100 x 175	24/40	6	24
FGR1000	1000	120 x 210	24/40	6	24
FGR2000	2000	160 x 250	24/40	1	8



Boiling Flasks, Round Bottom, Ground Glass Joints, Borosilicate Glass

Our boiling flasks with ground glass joints are made from low-expansion borosilicate glass. Feature uniform wall thickness for superior mechanical strength and shock resistance.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Joint Size	Qty per pack	Qty per case
FRB057-50	50	51 x 100	24/40	6	24
FRB057-100	100	64 x 118	24/40	6	24
FRB057-250	250	85 x 140	24/40	6	24
FRB057-500	500	105 x 158	24/40	6	24
FRB057-1000	1000	130 x 185	24/40	6	24
FRB057-2000	2000	165 x 215	24/40	1	6
FRB057-3000	3000	185 x 250	24/40	1	1
FRB057-5000	5000	223 x 305	24/40	1	1



Boiling Flasks, Round Bottom, Borosilicate Glass

Our boiling flasks are made from low-expansion borosilicate glass. Feature uniform wall thickness for superior mechanical strength and shock resistance.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG4260-25	25	42 x 90	6	24
FG4260-50	50	51 x 95	6	24
FG4260-100	100	64 x 110	6	24
FG4260-125*	125	69 x 115	6	24
FG4260-150*	150	74 x 118	6	24
FG4260-250	250	85 x 145	6	24
FG4260-300*	300	88 x 148	6	24
FG4260-500	500	105 x 168	6	24
FG4260-1000	1000	131 x 200	6	24
FG4260-2000	2000	166 x 240	1	6
FG4260-3000	3000	185 x 260	1	1



Boiling Flasks, Flat Bottom, Ground Glass Joints, Borosilicate Glass

Our boiling flasks with ground glass joints are made from low-expansion borosilicate glass. Feature uniform wall thickness for superior mechanical strength and shock resistance.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Joint Size	Qty per pack	Qty per case
FFB058-50	50	51 x 100	24/40	6	24
FFB058-100	100	64 x 118	24/40	6	24
FFB058-250	250	85 x 130	24/40	6	24
FFB058-500	500	105 x 162	24/40	6	24
FFB058-1000	1000	132 x 178	24/40	6	24
FFB058-2000	2000	165 x 205	24/40	1	6
FFB058-3000	3000	185 x 240	24/40	1	1
FFB058-5000	5000	223 x 290	24/40	1	1



Boiling Flasks, Flat Bottom, Borosilicate Glass

Our boiling flasks are made from low-expansion borosilicate glass. Feature uniform wall thickness for superior mechanical strength and shock resistance.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG4060-50	50	51 x 90	6	24
FG4060-100	100	64 x 105	6	24
FG4060-150	150	74 x 112	6	24
FG4060-250	250	85 x 138	6	24
FG4060-300	300	88 x 143	6	24
FG4060-500	500	105 x 163	6	24
FG4060-1000	1000	131 x 190	1	6
FG4060-2000	2000	166 x 230	1	6
FG4060-3000	3000	185 x 250	1	1
FG4060-5000	5000	223 x 290	1	1



Erlenmeyer Flasks, Wide Mouth, Borosilicate Glass

Wide mouth flasks are ideal for titrations and culture work. Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG5100-100	100	70 x 110	12	48
FG5100-125	125	69 x 117	12	48
FG5100-250	250	84 x 138	12	48
FG5100-500	500	105 x 186	6	36
FG5100-1000	1000	131 x 222	6	24



Back of flask shows the molecular structure of caffeine.

Flask Mug, Borosilicate Glass

This 500ml borosilicate glass flask features an attached handle and a smooth rim. The molecular structure of caffeine is enameled in white on one side, and the other side has standard flask graduations.

Item No.	Description
FGMG500	Flask Mug, Borosilicate, 500ml



Erlenmeyer Flasks, Narrow Mouth, Borosilicate Glass

Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel.

Item No.	Capacity (ml)	Graduation Range (ml)	Graduation Interval (ml)	Qty per pack	Qty per case
FG4980-10*	10	NA	NA	12	36
FG4980-25	25	10 - 25	5	12	48
FG4980-50	50	20 - 50	10	12	48
FG4980-100	100	50 - 100	25	12	48
FG4980-125	125	50 - 125	25	12	48
FG4980-150	150	75 - 150	25	6	24
FG4980-250	250	50 - 200	25	12	48
FG4980-500	500	100 - 500	50	6	36
FG4980-1000	1000	250 - 1000	50	6	24
FG4980-2000	2000	600 - 2000	200	1	8
FG4980-3000	3000	1000 - 3000	500	1	1
FG4980-5000	5000	1500 - 5000	500	1	1

* Note: 10ml flask is not graduated.



Scan to view demonstration video

Erlenmeyer Flask Set of 5, Borosilicate Glass

A convenient set of five of our narrow mouth borosilicate glass Erlenmeyer flasks. Set consists of one each of 50ml, 125ml, 250ml, 500ml, and 1000ml flasks.

Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel.

Item No.	Description
FGSET5	Erlenmeyer Flask Set of 5, Borosilicate Glass



Erlenmeyer Flasks, with Screw Cap, Borosilicate Glass

Recommended for culturing, mixing and storing applications. Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel. Blue screw caps with liner are autoclavable.



Filtering Flasks, Borosilicate Glass

Heavy wall borosilicate filtering flask includes a heavy-duty rim and a bolt neck with tubulation. Graduations are printed in durable white enamel.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG5340-50	50	52 x 85	6	24
FG5340-100	100	64 x 108	6	24
FG5340-250	250	86 x 160	1	18
FG5340-500	500	108 x 190	1	18
FG5340-1000	1000	138 x 245	1	12
FG5340-2000	2000	170 x 305	1	12
FG5340-5000	5000	237 x 390	1	1



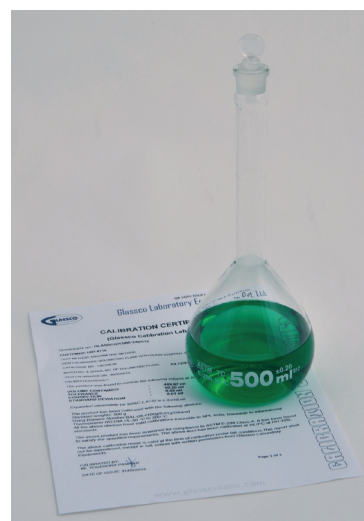
NEW PRODUCT

Filtering Bottles, Borosilicate Glass

With thick glass walls and sturdy construction, these bottles/flasks are perfect for filtering large volumes of liquid. The thick walls and design enable these flasks to withstand vacuum filtration without imploding. Accuracy of +/- 5%. Neck size fits a #13 rubber stopper. The hose barb has an O.D. of 1/2".

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per pack	Quantity per case
FFB5340-10000	10000	2000-8000	1000	1	1
FFB5340-20000	20000	4000-16000	2000	1	1

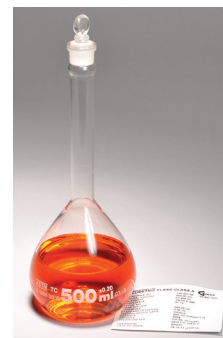
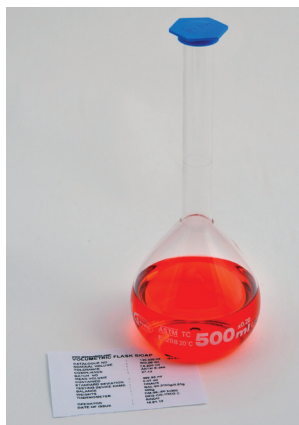
Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG5021-100	100	64 x 100	6	24
FG5021-150	150	72 x 118	6	24
FG5021-250	250	85 x 140	6	24
FG5021-500	500	104 x 175	6	24
FG5021-1000	1000	131 x 220	1	4



Volumetric Flasks, Class A, with Glass Stopper, Individually Certified

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A ground glass stopper is included. Meets Class A specifications per ASTM E288. Individually serialized and certified.

Item No.	Capacity (ml)	Tolerance (± ml)	Stopper Size	Quantity per pack
FG5639-5	5	0.02	9	1
FG5639-10	10	0.02	9	1
FG5639-20	20	0.03	9	1
FG5639-25	25	0.03	9	1
FG5639-50	50	0.05	9	1
FG5639-100	100	0.08	13	1
FG5639-200	200	0.10	16	1
FG5639-250	250	0.12	16	1
FG5639-500	500	0.20	19	1
FG5639-1000	1000	0.30	22	1
FG5639-2000	2000	0.50	27	1



Volumetric Flasks, Class A, with Snap Cap, Batch Certified

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A plastic snap cap is included. Meets Class A specifications per ASTM E288. Batch certified.

Item No.	Capacity (ml)	Tolerance (\pm ml)	Plastic Cap Number	Quantity per pack
FG5580-50	50	0.05	3	1
FG5580-100	100	0.08	4	1
FG5580-200	200	0.10	5	1
FG5580-250	250	0.12	5	1
FG5580-500	500	0.20	5	1
FG5580-1000	1000	0.30	6	1
FG5580-2000	2000	0.50	8	1



Volumetric Flasks, Class B, with Snap Cap

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A plastic snap cap is included.

Item No.	Capacity (ml)	Tolerance (\pm ml)	Plastic Cap Number	Quantity per pack
FG5581-50	50	0.10	3	12
FG5581-100	100	0.16	4	12
FG5581-250	250	0.24	5	12
FG5581-500	500	0.40	5	12
FG5581-1000	1000	0.60	6	6
FG5581-2000	2000	1.0	8	4

Volumetric Flasks, Class A, with Glass Stopper, Batch Certified

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A ground glass stopper is included. Meets Class A specifications per ASTM E288. Batch certified.

Item No.	Capacity (ml)	Tolerance (\pm ml)	Stopper Size	Quantity per pack
FG5640-5	5	0.02	9	1
FG5640-10	10	0.02	9	1
FG5640-20	20	0.03	9	1
FG5640-25	25	0.03	9	1
FG5640-50	50	0.05	9	1
FG5640-100	100	0.08	13	1
FG5640-200	200	0.10	16	1
FG5640-250	250	0.12	16	1
FG5640-500	500	0.20	19	1
FG5640-1000	1000	0.30	22	1
FG5640-2000	2000	0.50	27	1



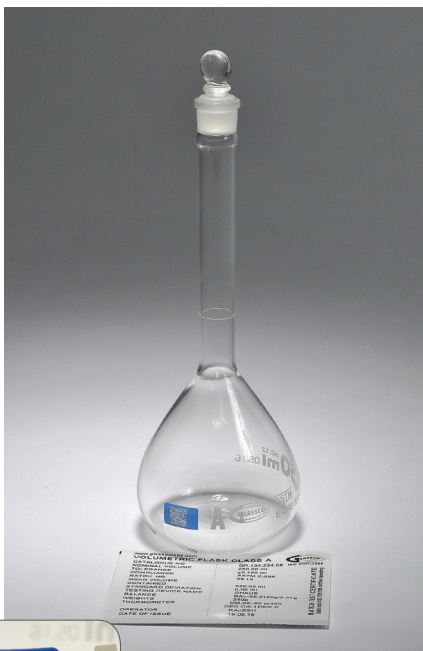
Volumetric Flasks, Class B, with Glass Stopper

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A ground glass stopper is included.

Item No.	Capacity (ml)	Tolerance (\pm ml)	Stopper Size	Quantity per pack
FG5641-5	5	0.04	9	12
FG5641-10	10	0.04	9	12
FG5641-25	25	0.06	9	12
FG5641-50	50	0.10	9	12
FG5641-100	100	0.16	13	12
FG5641-200	200	0.20	16	12
FG5641-250	250	0.24	16	12
FG5641-500	500	0.40	19	12
FG5641-1000	1000	0.60	22	6
FG5641-2000	2000	1.00	27	4



Volumetric Flasks, Class A, with Glass Stopper, Batch Certified, QR



Each flask includes a QR code that can be scanned to quickly obtain a copy of the certificate of calibration, certificate of conformity, and user manual.

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A ground glass stopper is included. Meets Class A specifications per ASTM E288. Batch certified.

Our volumetric flasks feature QR code integration to facilitate quick and easy access to certificates of calibration, certificates of conformity, and user manuals where applicable. This is first of its kind innovative technology only available on United glassware. We recommend the NeoReader app for scanning QR codes. Simply point your smartphone to the QR code printed on the flask. Enter the serial number when prompted, and the app automatically takes you to the certificate screen.

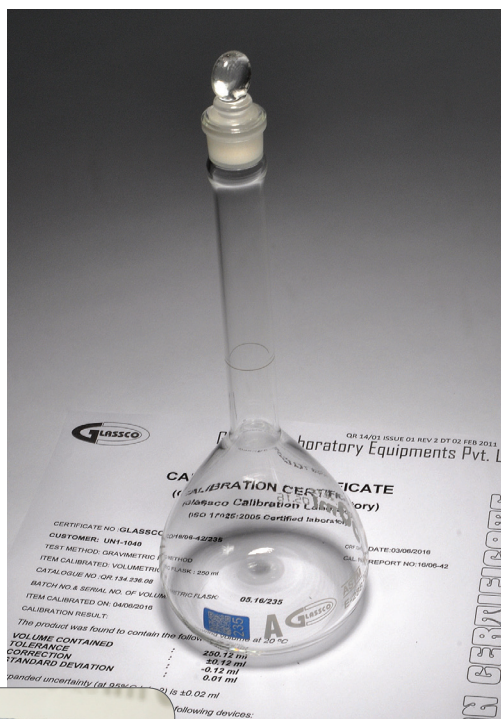
Item No.	Capacity (ml)	Tolerance (\pm ml)	Stopper Size	Quantity per pack
FG5640-5QR	5	0.02	9	1
FG5640-10QR	10	0.02	9	1
FG5640-20QR	20	0.03	9	1
FG5640-25QR	25	0.03	9	1
FG5640-50QR	50	0.05	9	1
FG5640-100QR	100	0.08	13	1
FG5640-200QR	200	0.10	16	1
FG5640-250QR	250	0.12	16	1
FG5640-500QR	500	0.20	19	1
FG5640-1000QR	1000	0.30	22	1
FG5640-2000QR	2000	0.50	27	1

Volumetric Flasks, Class A, with Glass Stopper, Individually Certified, QR

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A ground glass stopper is included. Meets Class A specifications per ASTM E288. Individually serialized and certified.

Our volumetric flasks feature QR code integration to facilitate quick and easy access to certificates of calibration, certificates of conformity, and user manuals where applicable. This is first of its kind innovative technology only available on United glassware. We recommend the NeoReader app for scanning QR codes. Simply point your smartphone to the QR code printed on the flask. Enter the serial number when prompted, and the app automatically takes you to the certificate screen.

Item No.	Capacity (ml)	Tolerance (\pm ml)	Stopper Size	Quantity per pack
FG5639-5QR	5	0.02	9	1
FG5639-10QR	10	0.02	9	1
FG5639-20QR	20	0.03	9	1
FG5639-25QR	25	0.03	9	1
FG5639-50QR	50	0.05	9	1
FG5639-100QR	100	0.08	13	1
FG5639-200QR	200	0.10	16	1
FG5639-250QR	250	0.12	16	1
FG5639-500QR	500	0.20	19	1
FG5639-1000QR	1000	0.30	22	1
FG5639-2000QR	2000	0.50	27	1



Each flask includes a QR code that can be scanned to quickly obtain a copy of the certificate of calibration, certificate of conformity, and user manual.

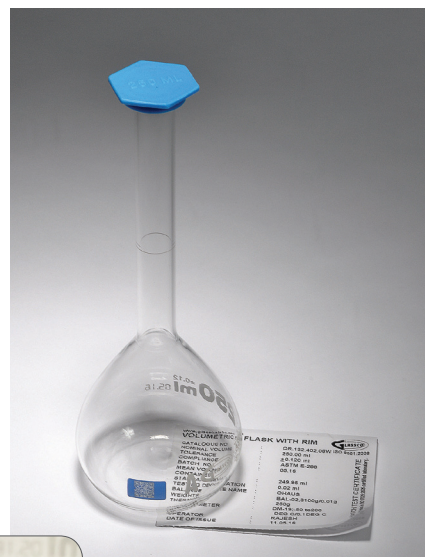


Volumetric Flasks, Class A, with Snap Cap, Batch Certified, QR

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A plastic snap cap is included. Meets Class A specifications per ASTM E288. Batch certified.

Our volumetric flasks feature QR code integration to facilitate quick and easy access to certificates of calibration, certificates of conformity, and user manuals where applicable. This is first of its kind innovative technology only available on United glassware. We recommend the NeoReader app for scanning QR codes. Simply point your smartphone to the QR code printed on the flask. Enter the serial number when prompted, and the app automatically takes you to the certificate screen.

Item No.	Capacity (ml)	Tolerance (\pm ml)	Plastic Cap Number	Quantity per pack
FG5580-50QR	50	0.05	3	1
FG5580-100QR	100	0.08	4	1
FG5580-200QR	200	0.10	5	1
FG5580-250QR	250	0.12	5	1
FG5580-500QR	500	0.20	5	1
FG5580-1000QR	1000	0.30	6	1
FG5580-2000QR	2000	0.50	8	1



Each flask includes a QR code that can be scanned to quickly obtain a copy of the certificate of calibration, certificate of conformity, and user manual.



Scan to view demonstration video

Volumetric Flasks, Class A, Individually Certified, Wide Mouth, Amber Glass, QR



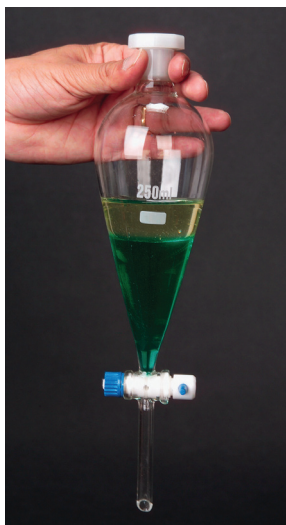
Each flask includes a QR code that can be scanned to quickly obtain a copy of the certificate of calibration, certificate of conformity, and user manual.

Amber-colored borosilicate glass volumetric flasks are manufactured as per ASTM E288 Class A serialized glassware specifications. Calibrated to contain (TC), these flasks feature white enamel printing and diamond etched graduation line.

Our flasks feature heavy-duty and uniform wall thickness, and a wide mouth design for easy pipette access. Amber color protects light sensitive materials.

Each unit comes with a printed calibration certificate, as well as with a printed QR code for easy access to the calibration certificate any time / anywhere, using your mobile device or computer.

Item No.	Capacity (ml)	Tolerance (\pm ml)	Stopper Size	Quantity per pack
FGAM005	5	0.02	13	1
FGAM010	10	0.02	13	1
FGAM020	20	0.03	13	1
FGAM025	25	0.03	13	1
FGAM050	50	0.05	13	1
FGAM100	100	0.08	16	1
FGAM200	200	0.10	19	1
FGAM250	250	0.12	19	1



Separatory Funnels, Borosilicate Glass

These pear-shaped borosilicate glass funnels include a PTFE stopcock and a plastic stopper. Feature a marking spot and large white block letters for easy identification of capacity, as per ASTM E1096. PTFE stopcocks are compliant with ASTM standard E675.

Item No.	Capacity (ml)	Stopper Size	Quantity per pack	Quantity per case
SF149-125	125	22	2	20
SF149-250	250	22	2	20
SF149-500	500	27	2	20
SF149-1000	1000	27	1	10
SF149-2000	2000	38	1	10



Funnels, Long Stem, Borosilicate Glass

These borosilicate glass funnels include 60° cone angle, beaded tops, and long stems.

Item No.	Approx. Top Dia. (mm)	Stem Length (mm)	Overall Length (mm)	Quantity per pack	Quantity per case
GF6140-50	50	150	195	6	12
GF6140-65	65	150	205	6	12
GF6140-75	75	150	215	6	12
GF6140-100	100	150	235	6	6

Buchner Funnel with Fritted Disc, Borosilicate Glass

Manufactured from thick walled borosilicate glass, funnels include a beaded rim and a fritted disc with coarse, medium or fine porosity.

Item No.	Cap. (ml)	Disc Dia. (mm)	Height Above Disc (mm)	Stem O.D. (mm)	Porosity	Qty per pack
BF256-15C	15	20	45	8	Coarse	2
BF256-15M	15	20	45	8	Medium	2
BF256-15F	15	20	45	8	Fine	2
BF256-30C	30	30	45	8	Coarse	2
BF256-30M	30	30	45	8	Medium	2
BF256-30F	30	30	45	8	Fine	2
BF256-60C	60	40	50	10	Coarse	2
BF256-60M	60	40	50	10	Medium	2
BF256-60F	60	40	50	10	Fine	2





Pipettes, Transfer, Volumetric, Class B

These pipettes are made from borosilicate glass in compliance with ASTM specification E969 for Class B pipettes. Color-coded. Calibrated to deliver. Printed with durable amber markings.

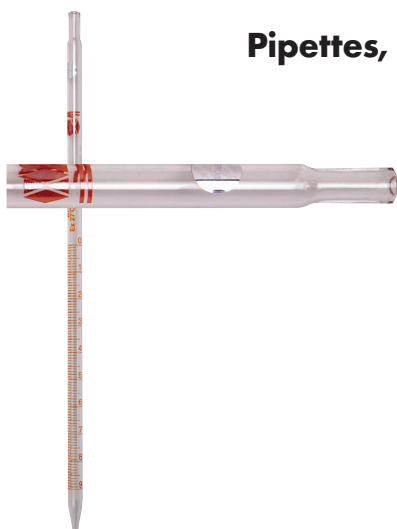
Item No.	Capacity (ml)	Tolerance (ml)	Color	Quantity per pack
PT7102-A	1	± 0.012	Blue	6
PT7102-B	2	± 0.012	Orange	6
PT7102-C	5	± 0.020	White	6
PT7102-D	10	± 0.040	Red	6
PT7102-E	20	± 0.060	Yellow	6
PT7102-F	25	± 0.060	Blue	6
PT7102-G	50	± 0.100	Red	6
PT7102-H	100	± 0.160	Yellow	6



Pipettes, Measuring (Mohr), Class B

These pipettes are made from borosilicate glass in compliance with ASTM specification E1293 for Class B pipettes. Color-coded. Calibrated to deliver. Printed with durable amber markings.

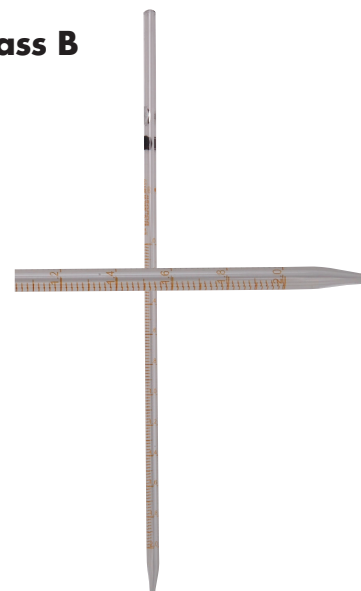
Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance	Color Code	Quantity per pack
PM7060-A	0.1	0.01	± 0.005	White	6
PM7060-B	0.2	0.01	± 0.008	Black	6
PM7060-C	1.0	0.01	± 0.020	Yellow	6
PM7060-D	1.0	0.1	± 0.020	Red	6
PM7060-F	2.0	0.1	± 0.020	Green	6
PM7060-H	5.0	0.1	± 0.040	Blue	6
PM7060-I	10.0	0.1	± 0.060	Orange	6
PM7060-J	25.0	0.1	± 0.100	White	6



Pipettes, Serological, Accuracy as per Class B

These Type 3 serological pipettes are made from borosilicate glass and comply with USP standards. Color-coded. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (ml)	Color Code	Quantity per pack
PS7080-A	0.1	0.01	± 0.005	White	6
PS7080-B	0.2	0.01	± 0.008	Black	6
PS7080-C	1.0	0.01	± 0.020	Yellow	6
PS7080-D	1.0	0.1	± 0.020	Red	6
PS7080-F	2.0	0.1	± 0.020	Green	6
PS7080-H	5.0	0.1	± 0.040	Blue	6
PS7080-I	10.0	0.1	± 0.060	Orange	6
PS7080-J	25.0	0.1	± 0.100	White	6



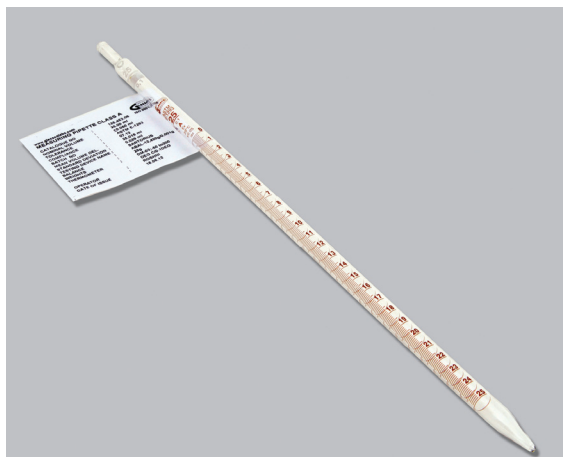


Glassware Pipettes



Pipettes, Measuring (Mohr), Class A, Batch Certified

These pipettes are made from borosilicate glass in compliance with ASTM specification E1293. Color-coded. Batch certified. Calibrated to deliver. Printed with durable amber markings.



Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (ml)	Color Code	Quantity per pack
PM7059-A	0.1	0.01	± 0.006	White	5
PM7059-B	0.2	0.01	± 0.006	Black	5
PM7059-D	1	0.10	± 0.010	Red	5
PM7059-F	2	0.10	± 0.010	Green	5
PM7059-H	5	0.10	± 0.020	Blue	5
PM7059-I	10	0.10	± 0.030	Orange	5
PM7059-J	25	0.10	± 0.050	White	5

Pipettes, Measuring (Mohr), Class A, Individually Certified

These pipettes are made from borosilicate glass in compliance with ASTM specification E1293. Color-coded. Individually serialized and certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (ml)	Color Code	Quantity per pack
PM7058-A	0.1	0.01	± 0.006	White	5
PM7058-B	0.2	0.01	± 0.006	Black	5
PM7058-D	1	0.10	± 0.010	Red	5
PM7058-F	2	0.10	± 0.010	Green	5
PM7058-H	5	0.10	± 0.020	Blue	5
PM7058-I	10	0.10	± 0.030	Orange	5
PM7058-J	25	0.10	± 0.050	White	5



Pipettes, Serological, Class A, Individually Certified

These Type 3 serological pipettes are made from borosilicate glass and comply with USP standards. Color-coded. Individually serialized and certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (ml)	Color Code	Quantity per pack
PS7078-A	0.1	0.01	± 0.006	White	5
PS7078-B	0.2	0.01	± 0.006	Black	5
PS7078-D	1	0.10	± 0.010	Red	5
PS7078-F	2	0.10	± 0.010	Green	5
PS7078-H	5	0.10	± 0.020	Blue	5
PS7078-I	10	0.10	± 0.030	Orange	5
PS7078-J	25	0.10	± 0.050	White	5





Pipettes, Transfer, Volumetric, Class A, Batch Certified

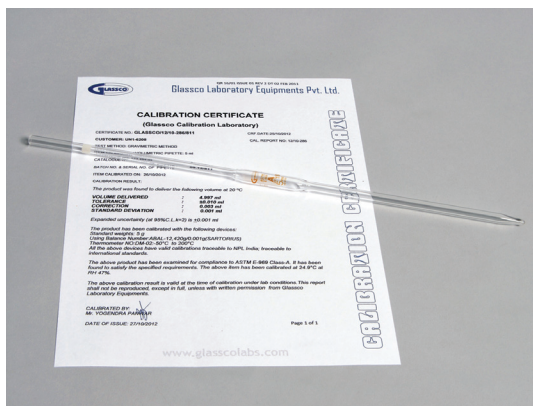
These pipettes are made from borosilicate glass in compliance with ASTM specification E969. Color-coded. Batch certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Tolerance (ml)	Color	Quantity per pack
PT7101-A	1	± 0.006	Blue	5
PT7101-B	2	± 0.006	Orange	5
PT7101-C	5	± 0.010	White	5
PT7101-D	10	± 0.020	Red	5
PT7101-E	20	± 0.030	Yellow	5
PT7101-F	25	± 0.030	Blue	5
PT7101-G	50	± 0.050	Red	5
PT7101-H	100	± 0.080	Yellow	5



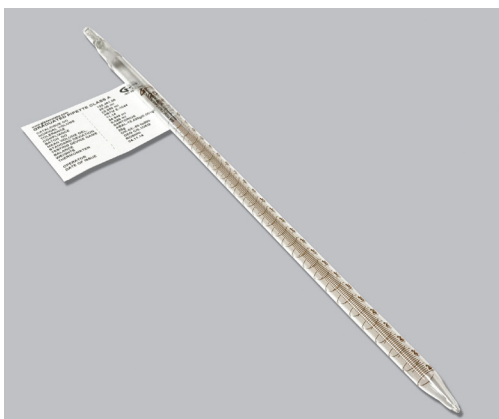
Pipettes, Transfer, Volumetric, Class A, Individually Certified

These pipettes are made from borosilicate glass in compliance with ASTM specification E969. Color-coded. Individually serialized and certified. Calibrated to deliver. Printed with durable amber markings.



Item No.	Capacity (ml)	Tolerance (ml)	Color	Quantity per pack
PT7100-A	1	± 0.006	Blue	5
PT7100-B	2	± 0.006	Orange	5
PT7100-C	5	± 0.010	White	5
PT7100-D	10	± 0.020	Red	5
PT7100-E	20	± 0.030	Yellow	5
PT7100-F	25	± 0.030	Blue	5
PT7100-G	50	± 0.050	Red	5
PT7100-H	100	± 0.080	Yellow	5

Pipettes, Serological, Class A, Batch Certified



These Type 3 serological pipettes are made from borosilicate glass and comply with USP standards. Color-coded. Batch certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (ml)	Color Code	Quantity per pack
PS7079-A	0.1	0.01	± 0.006	White	5
PS7079-B	0.2	0.01	± 0.006	Black	5
PS7079-D	1	0.10	± 0.010	Red	5
PS7079-F	2	0.10	± 0.010	Green	5
PS7079-H	5	0.10	± 0.020	Blue	5
PS7079-I	10	0.10	± 0.030	Orange	5
PS7079-J	25	0.10	± 0.050	White	5



Glassware Watch Glasses / Test Tubes



Watch Glasses

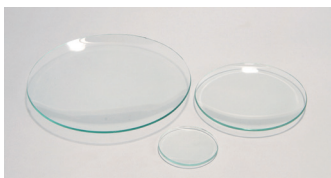
Made from soda lime glass (1.8 mm thick), fine ground and flame polished edges.



Item No.	Diameter (mm)	Quantity per pack
WGB170-40	40	10
WGB170-50	50	10
WGB170-60	60	10
WGB170-70	70	10
WGB170-80	80	10
WGB170-90	90	10
WGB170-100	100	10
WGB170-125	125	10
WGB170-150	150	10
WGB170-200	200	10

Watch Glasses, Economy

Made from clear flint glass (1.8 to 2.0mm thick), fine ground and polished edges.



Item No.	Diameter (mm)	Quantity per pack
WGL025	25	12
WGL040	40	12
WGL050	50	12
WGL065	65	12
WGL075	75	12
WGL090	90	12
WGL100	100	12
WGL125	125	12
WGL150	150	12
WGL200	200	12
WGL250	250	12
WGL300	300	12

Culture Tubes with Cap, Round Bottom

Tubes with round bottoms are manufactured from ASTM E438 Type 1 Class A Borosilicate 3.3 glass. Includes polypropylene autoclavable screw cap with PTFE liner.



Item No.	O.D. x Length (mm)	Capacity (ml)	Quantity per pack	Quantity per case
TT9900-5	16 x 50	5	10	100
TT9900-10	25 x 50	10	10	100
TT9900-30	25 x 95	30	20	100
TT9900-60	25 x 200	60	20	100



NEW PRODUCT

Disposable Culture Tubes, Plain, Borosilicate Glass

Disposable culture tubes are manufactured from high quality 5.1 expansion borosilicate glass. Rimless design enables easy plugging using a stopper. Caps not included. Meet USP Type I and ASTM E438, Type I, Class B requirements.

Tubes are packaged in shrinkwrapped boxes to keep them particle-free, and four boxes are included in each case.

Item No.	O.D. x Length (mm)	Capacity (ml)	Quantity per case
DCT051-1075	10 x 75	3	1000
DCT051-1275	12 x 75	5	1000
DCT051-1300	13 x 100	9	1000
DCT051-1610	16 x 100	14	1000
DCT051-1625	16 x 125	18	1000
DCT051-1650	16 x 150	22	1000
DCT051-1850	18 x 150	28	500

Disposable Culture Tubes, Borosilicate

Disposable culture tubes are manufactured from high quality borosilicate glass. Rimless design enables easy plugging using a stopper. Caps not included. Tubes meet ASTM standards and are alkali-free and inert.



Item No.	O.D. x Length (mm)	Capacity (ml)	Quantity per pack	Quantity per case
TT9920-B	12 x 75	5	72	720
TT9920-C	13 x 100	9	72	720
TT9920-F	16 x 100	11	72	720
TT9920-M	16 x 125	15	72	720
TT9920-E	16 x 150	20	72	720
TT9920-G	18 x 150	27	72	720
TT9920-N	20 x 150	34	72	720
TT9920-I	25 x 150	55	72	288
TT9920-J	25 x 200	75	48	192



Glassware Test Tubes / Tubing



Test Tubes with Rim, Borosilicate Glass

Pre-cleaned borosilicate glass test tubes with rims. Tubes can be used for hot or cold applications, are reusable, and can be autoclaved.

Item No.	O.D. x Length (mm)	Capacity (ml)	Quantity per pack	Quantity per case
TT9800-A	10 x 75	3	72	720
TT9800-B	12 x 75	5	72	720
TT9800-C	12 x 100	8	72	720
TT9800-D	15 x 125	15	72	720
TT9800-E	15 x 150	17	72	720
TT9800-L	16 x 100	14	72	720
TT9800-M	16 x 125	16	72	720
TT9800-F	18 x 150	24	72	720
TT9800-N	20 x 150	36	72	720
TT9800-G	25 x 100	37	72	720
TT9800-H	25 x 150	60	72	288
TT9800-I	25 x 200	75	48	192
TT9800-J	32 x 200	125	50	50
TT9800-K	38 x 200	175	50	50

Test Tubes without Rim, Borosilicate Glass

Pre-cleaned borosilicate glass test tubes without rims. Tubes can be used for hot or cold applications, are reusable, and can be autoclaved.

Item No.	O.D. x Length (mm)	Capacity (ml)	Quantity per pack	Quantity per case
TT9820-A	10 x 75	3	72	720
TT9820-B	12 x 75	5	72	720
TT9820-C	12 x 100	8	72	720
TT9820-D	15 x 125	15	72	720
TT9820-E	15 x 150	17	72	720
TT9820-F	16 x 100	14	72	720
TT9820-G	18 x 150	24	72	720
TT9820-H	25 x 100	37	72	720
TT9820-I	25 x 150	60	72	288
TT9820-J	25 x 200	75	48	192
TT9820-K	32 x 200	125	50	50
TT9820-L	38 x 200	175	50	50



Glass Tubing Assortment

This convenient one-pound assortment of borosilicate glass tubing includes various thicknesses and wall sizes. All pieces are 12" in length.

Item No.	Description	Bore/Thickness
GBT001	Glass Tubing Assortment	Various



NEW PRODUCT

Glass Tubing, Flint

Tubing made from fine quality flint glass for easy bending, blowing, and sealing of soft glass apparatus. Tubing is 24" long and available in various diameters.

Item No.	Description
GFT005	Glass Tubing, Flint, 5mm
GFT006	Glass Tubing, Flint, 6mm
GFT007	Glass Tubing, Flint, 7mm
GFT008	Glass Tubing, Flint, 8mm



www.unitedsci.com

United Scientific Supplies, Inc.

3055 N. Oak Grove Ave. P: +1 847-336-7556
Waukegan IL 60087 F: +1 847-336-7571
www.unitedsci.com E: info@unitedsci.com