

Volumetric Labware

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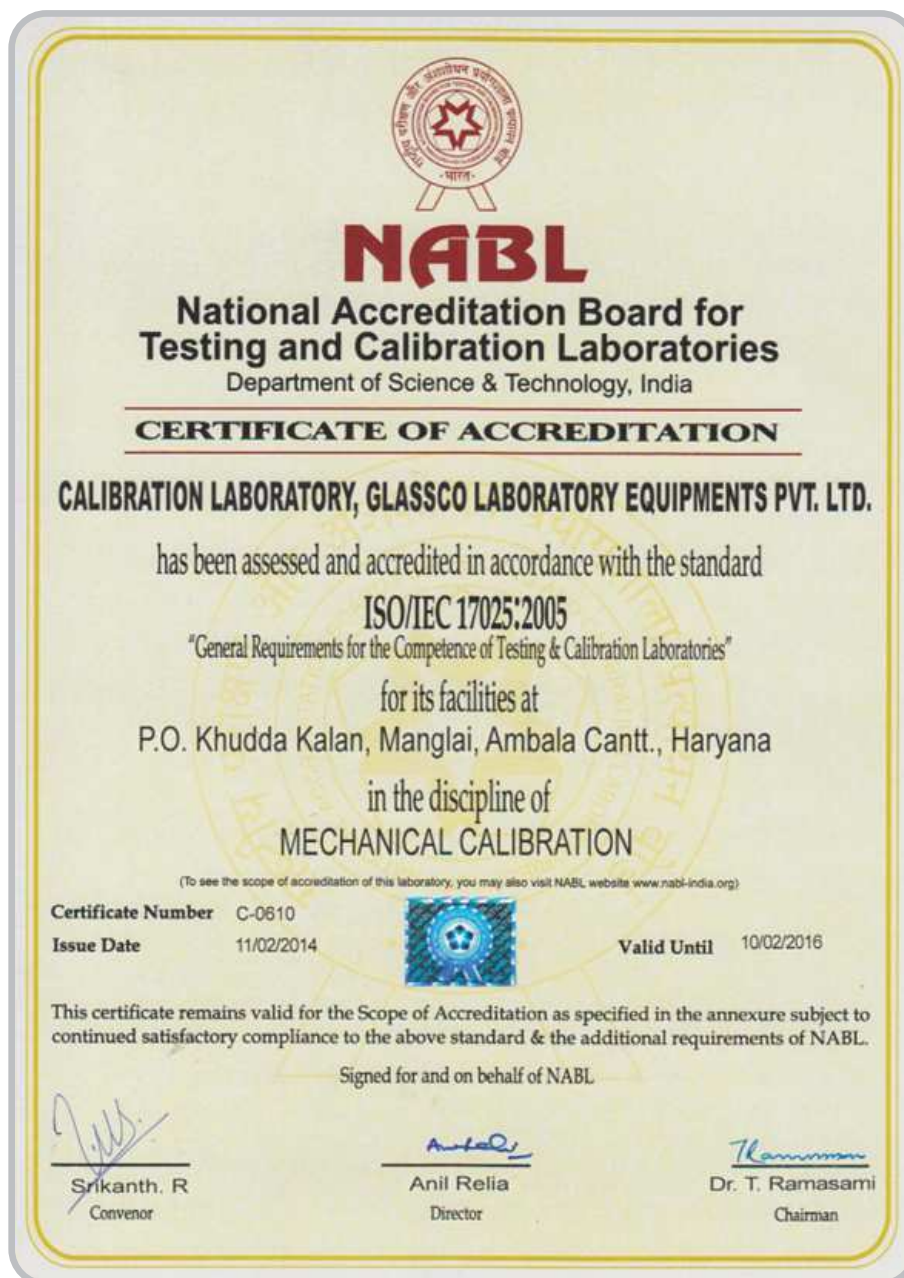
Volumetric Glassware

All volumetric glassware requires very high precision and accuracy which requires controlled conditions for calibrating volumetric glassware go through automatic calibration machines which is state of the art technology imported from germany. Glassco's Calibration Laboratory has undertaken accreditation for its system for calibration and testing as per ISO 17025:2005.

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

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

NABL Certificate



Please see list of Accreditation Bodies Worldwide from Page 148-151





TYPES OF CALIBRATION & HOW TO USE

Burettes and pipettes which is calibrated to deliver TD, EX which means the delivered quantity of the liquid corresponds to the capacity indicated on the instrument.

Burettes

These are calibrated "to deliver". Fill the burette a bit higher than the zero mark at the top. Check for trapped air bubbles, tap the burettes lightly to remove these; drain the solution once carefully to level of zero mark. Fill more solution up if the meniscus has gone below the zero mark. Drain the solution to the exact zero level. Wipe off the drops at the tip of the burette. Open the stopcock very slowly and start the titration. Do not touch the tip to the container wall you use. When the color begins to change, stop the titration and wait for 30 seconds as the waiting time of Class "AS" burettes. Check the meniscus for changes and add little volume to get complete titration.

Pipettes

These are calibrated "to deliver". Fill the liquid little above the volume mark. Wipe off the tip and wet area. Hold the pipette at the eye level and place the tip of the pipette to the wall of a vessel with a slight angle between contact point. Discharge the excess volume until meniscus reaches the calibration mark of the pipette. To use the pipette volume, place the tip to the wall of the vessel with a slight angle. Pay attention to clear the pipette completely. When the level of the liquid reaches the tip of the pipette, you have to wait a little as the waiting time (if the pipette is Class "AS") for say 5 seconds. When the waiting time is over, wipe off the pipette tip by pulling it upwards along the wall of the vessel. If there is still any residual liquid left in the tip, leave it as it is.

Flasks and cylinders is calibrated to contain TC, IN which means the contained quantity of the liquid corresponds to the capacity indicated on the instrument.

Volumetric flasks

These are calibrated "to contain". These are very precisely calibrated. Fill the volumetric flask with distilled water with a funnel to ensure that water is discharged below the meniscus line. Fill more distilled water until it reaches a bit below of the calibration ring mark. Add some more water in small volumes so that the meniscus will be exactly at the same level of the ring mark. To make accurate standard solution put precise weight of the substance into the flask. Shake the flask with stopper on.

Measuring Cylinders

These are calibrated "to contain" and graduated to show different levels. Cylinders are mainly used for the exact measurement of liquids. First fill the liquid carefully, so that meniscus level will reach the desired volume mark. Add the precise weight of the substance and dissolve the substance by shaking the measuring cylinder. In ASTM standards cylinders are now calibrated "to deliver" (TD), which has been recently introduced in Cylinder section.

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





GLASSCO VOLUMETRIC GLASSWARE WITH CERTIFICATE



All Glassco Volumetric Glassware now comes with new **LG** sign. Glassco Glassware are conformity certified which confirms that all Class A Glassware are manufactured according to "EICH OR DNUNG" THE GERMAN FEDERAL WEIGHTS & MEASURES REGULATIONS. This sign of conformity is printed directly on the product according to DIN 12600

TYPES OF CERTIFICATES

BATCH CERTIFICATE

Volumetric flasks comes with a batch certificate in which mean value, standard deviation is incorporated along with batch number like which signifies the month 01 and 10 is the year **01.10**. This comes in a pack of 1 and comes along with the flask in the box you can also download it from www.glasscolabs.com and by scanning the QR Code from the label of the box.

QR CODES !

Now On Cartons Of All Glassco Wares!



Scan For Certificates

Use your **Smartphone** to scan the QR Code on the box labels ...



Just select the **Certificate** you wish to see...

Conformity...

Calibration ...
(Individual or Batch)



INDIVIDUAL CERTIFICATE

These flasks comes with a certificate on which individual serial number, mean value, standard deviation and measured uncertainty is given along with the batch number and serial number like 01.10 (Month and year of manufacturing) 505 (serial number) **01.10 505**. This comes in a pack of one and each flask is having a certificate with it in the box you can also download it from www.glasscolabs.com and by scanning the QR Code from the label of the box.



All the volumetric glassware or measuring instruments to be used in laboratories which are under surveillance of US authorities such as Food and Drug Administration (FDA), have a mandatory requirement to use products which adhere to standards set by US PHARMACOPEIA. The USP standard has some deviation from DIN, ISO standards. The products that fall under this category are

- Measuring Pipettes
- Volumetric Pipettes
- Measuring Cylinder
- Volumetric Flasks

All the products mentioned above have tighter tolerances compared to ISO standards.

www.glasscolabs.com

VOLUMETRIC FLASK CLASS A

CATALOGUE NO	: 130.202.03	ISO 9001:2008
NOMINAL VOLUME	: 25.00 ml	
TOLERANCE	: +0.040 ml	
COMPLIANCE	: ISO1042:1998	
BATCH NO	: 01.15	
MEAN VOLUME		
CONTAINED	: 24.992 ml	
STANDARD DEVIATION	: 0.007 ml	
TESTING DEVICE NAME	: SARTORIUS	
BALANCE	: ABAL-10,420g/0.001g	
THERMOMETER	: DM-18;-50 to 300 DEG C/0.1DEG C	
OPERATOR	: HINDU	
DATE OF ISSUE	: 09.01.15	

BATCH TEST CERTIFICATE
Batch tested in 171825008 certified laboratory

GLASSCO

Glassco Laboratory Equipments Pvt. Ltd.

CALIBRATION CERTIFICATE
(Glassco Calibration Laboratory)
ISO 17025:2005 Certified Laboratory

GLASSCO REFERENCE NO: GLASSCO/1460 850801	DATE: 15-01-2015
CUSTOMER: GLENER	CAL. REFERENCE: 100000
TEST METHOD: GRAVIMETRIC	
ITEMS TO BE CALIBRATED: 25ml FLASK	
REFERENCE: NIST 1000	
MEASUREMENT POINTS: 0.00000g	
MEASUREMENT POINTS: 0.00000g	
DATE OF CALIBRATION: 15-01-2015	
FOR RESULTS AND REPORTS CONTACT THE LABORATORY AT 011-26111111	
VOLUME CONTAINED	: 25.003 ml
TOLERANCE	: ± 0.015 ml
STANDARD DEVIATION	: ± 0.002 ml
STANDARD UNCERTAINTY	: 0.001 ml
CONFORMS TO: ISO 1042:1998	
TESTED BY: HINDU	
GLASSCO REFERENCE: 100000	
DATE OF ISSUE: 15-01-2015	

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CALIBRATION CERTIFICATE





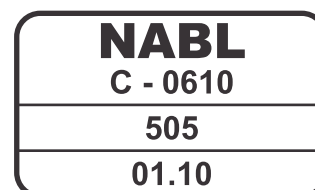
USP INDIVIDUAL CERTIFICATE

GLASSCO has recently launched its USP grade (UNITED STATES PHARMACOPIA) standard flasks with also comes with a certificate on which individual serial number, mean value, standard deviation and measured uncertainty is given along with the batch number and serial number like 01 .10 (Month and year of manufacturing) 605 (serial number). This comes in a pack of one and comes along with the flask in the box you can also download it from www.glasscolabs.com and by scanning the QR Code from the label of the box.



NABL Calibration Certificate

This certificate is issued by NABL calibration Laboratory at Glassco NABL by virtue of its collaboration with (APLAC) Asia Pacific Laboratory Accrediting Cooperation & (ILAC) International Laboratory Accreditation. NABL Calibration Certificate is internationally recognized. Both the instrument & Certificate shows the individual serial number & the Certificate no.

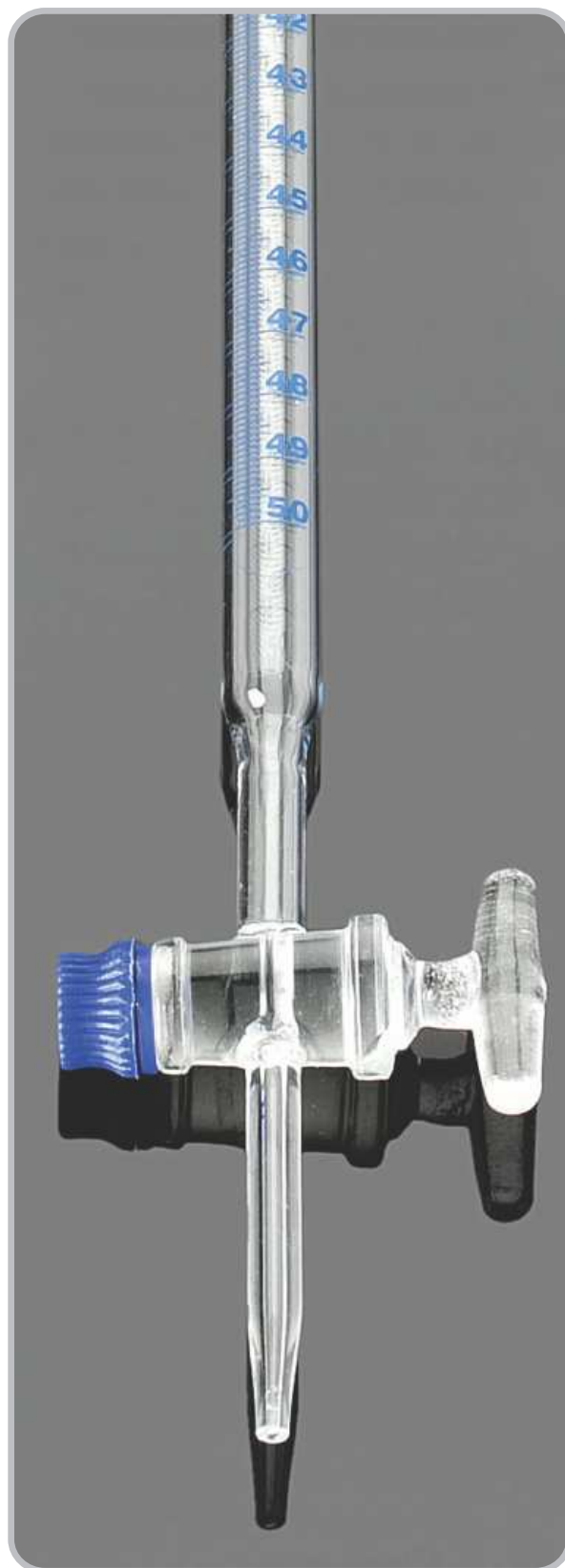


*For ordering all NABL certified glassware, please use middle number 405.





Burettes



Glassco burettes are manufactured from ASTM E-438 TYPE 1 CLASS A BORO 3.3 heat resistant glass which meet DIN ISO 385 and USP standards. Each and every piece is calibrated to deliver (TD, EX) 20° C.

All A CLASS burettes are manufactured from precision bore tubing for accuracy. These Burettes also come with Schellbach tubes which helps in accurate reading of meniscus.

The burettes are calibrated on computer controlled machines to give the most accurate results and then are rechecked on the quality control centre .

The burettes made in A class come with conformity batch certificate and with individual work certificate .

All A Class burettes are printed in amber colour and have a waiting time of 30 seconds, the B CLASS burettes are printed in blue colour and have no waiting time.

The conformity Batch Certificates and individual work certificate are packed with each piece, however it can also be downloaded through our website www.glasscolabs.com

The burettes come with 4 different kind of stopcocks Glass Stopcock, PTFE Needle Valve Stopcock, PTFE Key Stopcock and Detachable Stopcock.

Burettes with glass stopcock in Schellbach stripe printed in blue colour in compliance with DIN ISO 385 and USP standard

Schellbach Class AS with Batch Certificate Cat No.	Schellbach Class A with Individual Work Certificate Cat No.				
		Cap. ml.	Division	Tolerance (±ml)	Pcs/ Pack
110.202.01A	110.223.01	10ML	0.05	0.03	1
110.202.02A	110.223.02	25ML	0.1	0.05	1
110.202.03A	110.223.03	50ML	0.1	0.05	1
110.202.04A	110.223.04	100ML	0.2	0.1	1



Burettes with glass stopcock in clear glass printed in blue colour in compliance with **DIN ISO 385 and USP standard**

Class AS with Batch Certificate Cat No.	Class A with Individual Work Certificate Cat No.				
		Cap. ml.	Division	Tolerance (±ml)	Pcs/Pack
111.202.01	111.223.01	10ML	0.05	0.03	1
111.202.02	111.223.02	25ML	0.1	0.05	1
111.202.03	111.223.03	50ML	0.1	0.05	1
111.202.04	111.223.04	100ML	0.2	0.1	1

Burette with Glass Stopcock



Schellbach Burette with screw type Needle Valve



Burettes with PTFE needle valve stopcock in Schellbach stripe printed in blue colour in compliance with **DIN ISO 385 and USP standard**

Schellbach Class AS with Batch Certificate Cat No.	Schellbach Class A with Individual Work Certificate Cat No.				
		Cap. ml.	Division	Tolerance (±ml)	Pcs/Pack
112.202.01A	112.223.01A	10ML	0.05	0.03	1
112.202.02A	112.223.02A	25ML	0.1	0.05	1
112.202.03A	112.223.03A	50ML	0.1	0.05	1
112.202.04A	112.223.03A	100ML	0.2	0.1	1

Burette with screw type Needle Valve



Burettes with PTFE needle valve stopcock clear class printed in blue colour in compliance with **DIN ISO 385 and USP standards**

Class AS with Batch Certificate Cat No.	Class A with Individual Work Certificate Cat No.				
		Cap. ml.	Division	Tolerance (±ml)	Pcs/Pack
113.202.01	113.223.01	10ML	0.05	0.03	1
113.202.02	113.223.02	25ML	0.1	0.05	1
113.202.03	113.223.03	50ML	0.1	0.05	1
113.202.04	113.223.04	100ML	0.2	0.1	1



Schellbach Burette with PTFE key



Burettes with PTFE key stopcock in Schellbach stripe printed in blue colour to meet **DIN ISO 385 and USP standard**

Schellbach Class AS with Batch Certificate Cat No.	Schellbach Class A with Individual Work Certificate Cat No.				
		Cap. ml.	Division	Tolerance (±ml)	Pcs/Pack
114.202.04A	114.223.04A	10ML	0.05	0.03	1
114.202.05A	114.223.05A	25ML	0.1	0.05	1
114.202.06A	114.223.06A	50ML	0.1	0.05	1
114.202.07A	114.223.06A	100ML	0.2	0.1	1

Burettes with PTFE key stopcock clear class printed in blue colour in compliance with **DIN ISO 385 and USP standards**

Class AS with Batch Certificate Cat No.	Class A with Individual Work Certificate Cat No.				
		Cap. ml.	Division	Tolerance (±ml)	Pcs/Pack
115.202.01	115.223.01	10ML	0.05	0.03	1
115.202.02	115.223.02	25ML	0.1	0.05	1
115.202.03	115.223.03	50ML	0.1	0.05	1
115.202.04	115.223.04	100ML	0.2	0.1	1

Burette with PTFE key



Schellbach Burette with Stopcocks



Burettes with PTFE detachable stopcocks printed with blue colour in compliance with **DIN ISO 385 and USP standards**

Schellbach Class AS with Batch Certificate Cat No.	Schellbach Class A with Individual Work Certificate Cat No.				
		Cap. ml.	Division	Tolerance (±ml)	Pcs/Pack
117.202.01A	117.223.01A	10ML	0.05	0.03	1
117.202.02A	117.223.02A	25ML	0.1	0.05	1
117.202.03A	117.223.03A	50ML	0.1	0.05	1





Burettes with PTFE detachable stopcock clear class printed in blue colour in compliance with DIN ISO 385 and USP standards

Class AS with Batch Certificate Cat No.	Class A with Individual Work Certificate Cat No.				
		Cap. ml.	Division	Tolerance (\pm ml)	Pcs/Pack
117.202.01	117.223.01	10ML	0.05	0.03	1
117.202.02	117.223.02	25ML	0.1	0.05	1
117.202.03	117.223.03	50ML	0.1	0.05	1



Burettes Class B with Amber Graduation, DIN ISO 385

With glass stopcock Cat No.	With PTFE needle valve stopcock Cat No.	With PTFE KEY STOPCOCK Cat No.	With detachable PTFE KEY STOPCOCK Cat No.	Cap. ml.	Division	Tolerance (\pm ml)	Pcs/Pack	(Economy model) With detachable PTFE KEY STOPCOCK				
								Cap. ml.	Division	Tolerance (\pm ml)	Pcs/Pack	
110.224.01	112.224.01	114.224.01	117.224.01	10ML	0.05	0.05	1	109.224.03	50ML	0.10	0.10	1
110.224.02	112.224.02	114.224.02	117.224.02	25ML	0.10	0.10	1					
110.224.03	112.224.03	114.224.03	117.224.03	50ML	0.10	0.10	1					



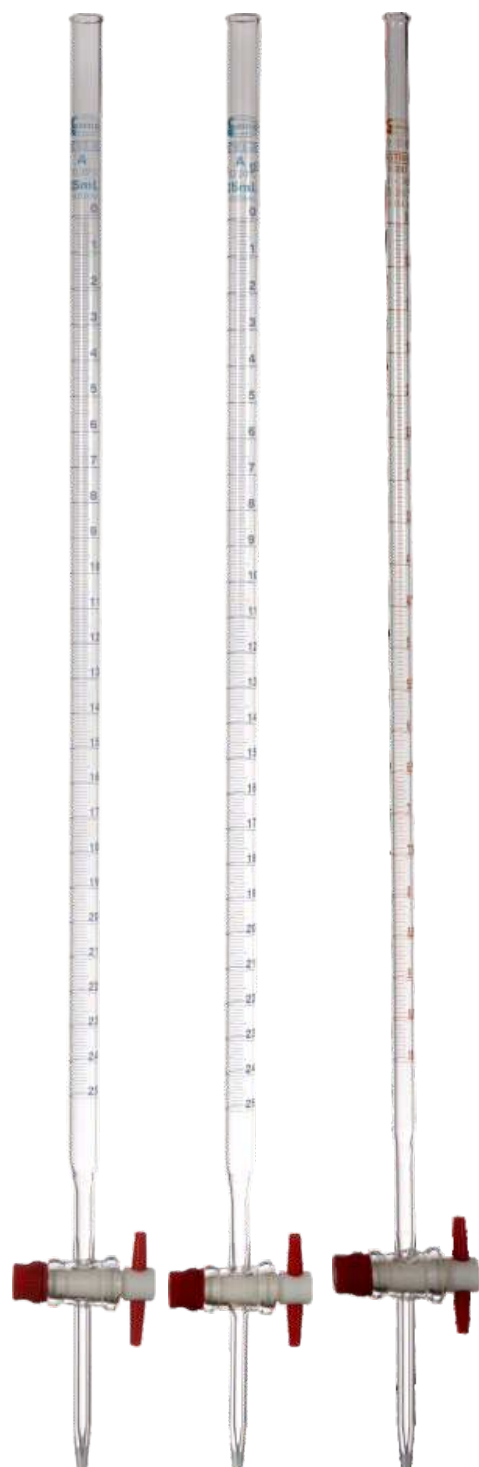
Burette

this Burette has a transparent acrylic body and a leakproof stopcock made fitted with a self lubricating PTFE plug. Each Burette is individually calibrated to give maximum accuracy. Acrylic body is unaffected by dilute mineral acids & bases except Hydrofluoric Acid & Ammonium Hydroxide. The pH range of 1-14 is ideal and can be used up to 5% wt/wt of acids or 30% bases.

Material : Polymethyl Methacrylate / TPX

Cat. No.	Capacity	Pcs/Pack
103.303.01	25 ml	10
103.303.02	50 ml	10
103.303.03	100 ml	10





Burette Serialized/Certified CLASS A, with PTFE Key Stopcock

All burettes are calibrated to meet ASTM E 287 Specifications. Each burette is individually serialized and supplied with certificate of identification and capacity, traceable to NIST standards. The burettes are printed in blue enamel.

Catalogue No.	Capacity	Grad Interval (ml)	Tolerance (\pm ml)	Qty Per Pack
115.451.01	10ml	0.05	0.02	1
115.451.02	25ml	0.1	0.03	1
115.451.03	50ml	0.1	0.05	1
115.451.04	100 mL	0.2	0.1	1

Burette Unserialized Class A, With PTFE Key Stopcock

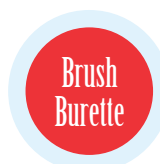
All burettes are calibrated to meet ASTM E 287 Specifications. All Burette are calibrated according to class A norms and accordingly a batch certificate is issued. The burettes is printed in blue enamel.

Catalogue No.	Capacity	Grad Interval (ml)	tolerance (\pm ml)	Qty Per Pack
115.452.01	10ml	0.05	0.02	1
115.452.02	25ml	0.1	0.03	1
115.452.03	50ml	0.1	0.05	1
115.452.04	100ml	0.2	0.1	1

Burette Class B, with PTFE Key Stopcock, to meet ASTM E 287 Specifications.

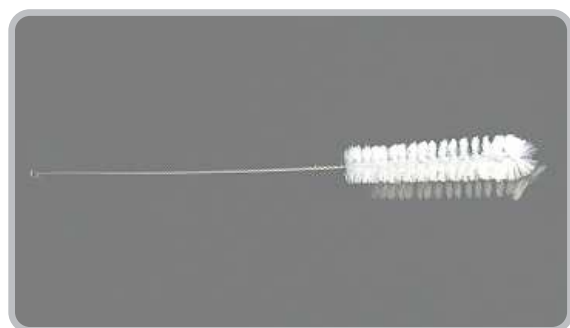
These Burettes are suitable for use in schools and institutional laboratories not requiring the accuracy of CLASS A. These are printed in amber colour enamel.

Catalogue No.	Capacity	Grad Interval (ml)	Tolerance (\pm ml)	Qty Per Pack
114.424.01	10ml	0.05	0.04	1
114.424.02	25ml	0.1	0.06	1
114.424.03	50ml	0.1	0.1	1



Brush, Burette

Cat. No.	Type	Material	Pcs/Pack
593.303.07	Burette Brush	Nylon	50





Fisher Clamp

are moulded in Polypropylene making it completely corrosion proof. The spring loaded jack in the middle provides a vice like grip to the Burette and prevents it from slipping. Two tapered wedges are provided to ensure firm grip on rods having dia 1/2" or 3/8".

Material : Polypropylene

Cap. ml.	Type	Pcs/Pack
112.303.01	Fisher Clamp- Single	12
112.303.02	Fisher Clamp- Double	6



Burette Clamp

- Made of Aluminium, die casted, blue painted, black rubber sleeves for firm gripping of burettes.
- With adjustable clamps to hold upto 30 mm, spring type, thumb screw key for retort rods upto 16 mm dia.

Cap. ml.	Type	Pcs/Pack
394.303.01	Single	12
394.303.02	Double	6



Burette Clamp, Mild Steel

Material : Mild Steel, Chrome Plated, Fisher Type with Boss Head, Single.

Cat. No.	Type	Max. Temp.	Pcs/Pack
318.303.01	PVC Sleeve	80°C	12
318.303.02	Silicon Sleeve	280°C	12



Burette Clamp, Mild Steel

Material : Mild Steel, Black Powder Coated, Fisher Type with Boss Head, Single.

Cat. No.	Type	Max. Temp.	Pcs/Pack
319.303.01	PVC Sleeve	80°C	12
319.303.02	Silicon Sleeve	280°C	12

Burette Clamp, Mild Steel

Material : Mild Steel, Chrome Plated, Fisher Type with Boss Head, Double

Cat. No.	Type	Max. Temp.	Pcs/Pack
320.303.01	PVC Sleeve	80°C	6
320.303.02	Silicon Sleeve	280°C	6



Burette Clamp, Mild Steel

Material : Mild Steel, Powder Coated, Fisher Type with Boss Head, Double

Cat. No.	Type	Max. Temp.	Pcs/Pack
321.303.01	PVC Sleeve	80°C	6
321.303.02	Silicon Sleeve	280°C	6





Automatic Burettes

Glassco burettes are manufactured from ASTM E-438 TYPE 1 CLASS A BORO 3.3 heat resistant glass which meet DIN ISO 385 standards. Each and every piece is calibrated to deliver (TD, EX) +20°C. All A CLASS burettes are manufactured from precision bore tubing for accuracy .

These burettes come with PTFE Needle Valve Stopcock and Intermediate PTFE Key Stopcock. These all A class burettes come with Batch Certificate, and Accessories like Bottle and Rubber below. The printing of the burettes is done in blue colour for better visibility. These Burettes are also offered in Schellbach printing which helps in accurate reading of meniscus.



Automatic Burette Schellbach in compliance with DIN ISO 385 standard Class AS, conformity certified.

SCHELL BACH WITH INTERMEDIATE STOPCOCK PTFE KEY AND WITH NEEDLE VALVE STOPCOCK	SCHELL BACH WITHOUT INTERMEDIATE STOPCOCK AND WITH NEEDLE VALVE STOPCOCK CAT NO.					
		Cap. ml.	Division	Tolerance (±ml)	BOTTLE CAPACITY IN ML	Pcs/ Pack
118.240.01	118.240.01A	10ML	0.05	0.03	500	1
118.240.02	118.240.02A	25ML	0.1	0.05	2000	1
118.240.03	118.240.03A	50ML	0.1	0.05	2000	1





Automatic Burette in compliance with **DIN ISO 385** and **USP standard Class AS**, conformity certified.

CLEAR GLASS WITH INTERMEDIATE STOPCOCK PTFE KEY AND WITH NEEDLE VALVE STOPCOCK	CLEAR GLASS WITHOUT INTERMEDIATE PTFE KEY AND WITH PTFE NEEDLE VALVE STOPCOCK CAT NO.	Cap. ml.	Division	Tolerance (±ml)	BOTTLE CAPACITY IN ML	Pcs/ Pack
118.201.02	118.202.02	25ML	0.1	0.05	2000	1
118.201.03	118.202.03	50ML	0.1	0.05	2000	1



Automatic Burette in Compliance with ASTM Standard

With Intermediate PTFE Key Stopcock And With Needle Valve Stopcock, Unserialized, Class A. All burettes come with rubber bulb and bottle.

Catalogue No.	Capacity	Grad Interval (ml)	Tolerance (± ml)	Qty Per Pack
118.401.01	10ml	0.05	0.02	1
118.401.02	25ml	0.1	0.03	1
118.401.03	50ml	0.1	0.05	1





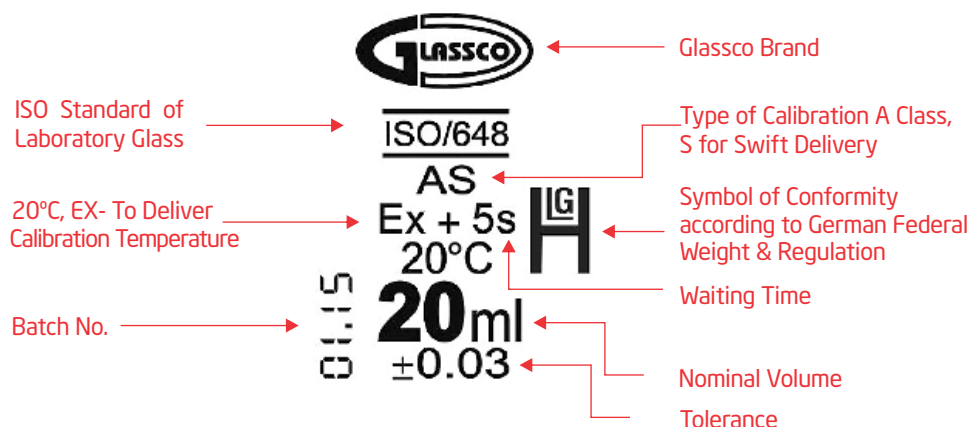
Volumetric Pipettes

Glassco volumetric pipettes are manufactured in compliance with DIN ISO 648 standards. These pipettes are calibrated to deliver (TD, EX) + 20° C.

All volumetric pipettes are calibrated by automatic machine and then the final quality check is done on the quality control centre. The volumetric pipettes come in AS Class with conformity batch certificate and Class A in individual work certificate which is printed in amber colour which fuses into the glass.

Each pipette is accompanied with a batch or individual certificate in the pack you can also download the certificate from our website : www.glasscolabs.com and by scanning the QR Code from the label of the box.

Below is the overview of the one mark pipette explaining in detail the content printed on it.



Volumetric Pipettes, 1 mark,
with Individual Certificate, Class A,
in compliance with **DIN ISO 648 Standard**

Cat no.	Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/ Pack
123.223.02A*	0.5ml	2 BLACK	0.005	5
123.223.01	1ml	BLUE	0.008	5
123.223.02	2ml	ORANGE	0.010	5
123.223.02A*	3ml	BLACK	0.01	5
123.223.02B*	4ml	2 RED	0.015	5
123.223.03	5ml	WHITE	0.015	5
123.223.03A*	6ml	2 ORANGE	0.015	5
123.223.03B*	7ml	2 GREEN	0.015	5
123.223.03C*	8ml	BLUE	0.02	5
123.223.03D*	9ml	BLACK	0.02	5
123.223.04	10ml	RED	0.020	5
123.223.04A*	15	GREEN	0.03	5
123.223.05	20ml	YELLOW	0.030	5
123.223.06	25ml	BLUE	0.030	5
123.223.06E*	30ml	BLACK	0.03	5
123.223.06O*	40ml	WHITE	0.05	5
123.223.07	50ml	RED	0.050	5
123.223.08	100ml	YELLOW	0.080	5

*NON-DIN

Volumetric Pipettes, 1 mark,
with Batch Certificate, Class AS
in compliance with **DIN ISO 648 Standard**

Cat No.	Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/ Pack
123.202.00*	0.5ml	2 BLACK	0.005	5
123.202.01	1ml	BLUE	0.008	5
123.202.02	2ml	ORANGE	0.010	5
123.202.02A*	3ml	BLACK	0.01	5
123.202.02B*	4ml	2 RED	0.015	5
123.202.03	5ml	WHITE	0.015	5
123.202.03A*	6ml	2 ORANGE	0.015	5
123.202.03B*	7ml	2 GREEN	0.015	5
123.202.03C*	8ml	BLUE	0.02	5
123.202.03D*	9ml	BLACK	0.02	5
123.202.04	10ml	RED	0.020	5
123.202.04A*	15ml	GREEN	0.03	5
123.202.05	20ml	YELLOW	0.030	5
123.202.06	25ml	BLUE	0.030	5
123.202.06E*	30ml	BLACK	0.03	5
123.202.06O*	40ml	WHITE	0.05	5
123.202.07	50ml	RED	0.050	5
123.202.08	100ml	YELLOW	0.080	5

*NON-DIN



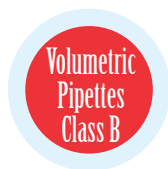


Volumetric Pipettes

Volumetric Pipettes, 2 mark, with Batch Certificate, Class AS in compliance with **DIN ISO 648 Standard**, Amber printed.

Cat No.	Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/Pack
123.252.00*	0.5ml	2 BLACK	0.005	5
123.252.01	1ml	BLUE	0.008	5
123.252.02	2ml	ORANGE	0.010	5
123.252.02A*	3ml	BLACK	0.010	5
123.252.02B*	4ml	2 RED	0.010	5
123.252.03	5ml	WHITE	0.015	5
123.252.03A*	6ml	2 ORANGE	0.015	5
123.252.03B*	7ml	2 GREEN	0.015	5
123.252.03C*	8ml	BLUE	0.020	5
123.252.03D*	9ml	BLACK	0.020	5
123.252.04	10ml	RED	0.020	5
123.252.04A*	15ml	GREEN	0.030	5
123.252.05	20ml	YELLOW	0.030	5
123.252.06	25ml	BLUE	0.030	5
123.252.06E*	30ml	BLACK	0.030	5
123.252.06O*	40ml	WHITE	0.050	5
123.252.07	50ml	RED	0.050	5
123.252.08	100ml	YELLOW	0.080	5

* Non DIN



Volumetric Pipette 1 mark Class B

Cat no.	Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/Pack
122.222.01	1ML	BLUE	0.015	5
122.222.02	2ML	ORANGE	0.020	5
122.222.03	5ML	WHITE	0.030	5
122.222.04	10ML	RED	0.040	5
122.222.05	20ml	YELLOW	0.060	5
122.222.06	25ml	BLUE	0.060	5
122.222.07	50ml	RED	0.100	5
122.222.08	100ml	YELLOW	0.150	5



Volumetric Pipettes



PIPETTE VOLUMETRIC, CLASS A SERIALIZED

These Pipettes are manufactured from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS, which meet **ASTM E 969 Class A** specifications. The Pipettes are manufactured to deliver and comes in amber colour enamel printing.

Catalogue No.	Capacity	Tolerance (± ml)	Colour Coding Band	Qty Per Pack
123.454.00D	0.5	0.006	2 BLACK	6
123.454.01	1	0.006	BLUE	6
123.454.02	2	0.006	ORANGE	6
123.454.02A	3	0.01	BLACK	6
123.454.02B	4	0.01	2 RED	6
123.454.03	5	0.01	WHITE	6
123.454.03A	6	0.01	2 ORANGE	6
123.454.03B	7	0.01	2 GREEN	6
123.454.03C	8	0.02	BLUE	6
123.454.03D	9	0.02	BLACK	6
123.454.04	10	0.02	RED	6
123.454.04E	15	0.03	GREEN	6
123.454.05	20	0.03	YELLOW	6
123.454.06	25	0.03	BLUE	6
123.454.06E	30	0.03	BLACK	6
123.454.06O	40	0.05	WHITE	6
123.454.07	50	0.05	RED	6
123.454.08	100	0.08	YELLOW	2

PIPETTE VOLUMETRIC, CLASS A UNSERIALIZED

These Pipettes are manufactured from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS, which meet **ASTM E 969 Class A** specifications. The Pipettes are manufactured to deliver and comes in amber colour enamel printing.

Catalogue No.	Capacity	Tolerance (± ml)	Colour Coding Band	Qty Per Pack
123.450.00D	0.5	0.006	2 BLACK	6
123.450.01	1	0.006	BLUE	6
123.450.02	2	0.006	ORANGE	6
123.450.02A	3	0.01	BLACK	6
123.450.02B	4	0.01	2 RED	6
123.450.03	5	0.01	WHITE	6
123.450.03A	6	0.01	2 ORANGE	6
123.450.03B	7	0.01	2 GREEN	6
123.450.03C	8	0.02	BLUE	6
123.450.03D	9	0.02	BLACK	6
123.450.04	10	0.02	RED	6
123.450.04E	15	0.03	GREEN	6
123.450.05	20	0.03	YELLOW	6
123.450.06	25	0.03	BLUE	6
123.450.06E	30	0.03	BLACK	6
123.450.06O	40	0.05	WHITE	6
123.450.07	50	0.05	RED	6
123.450.08	100	0.08	YELLOW	2

PIPETTE, VOLUMETRIC CLASS B

These Pipettes are manufactured from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS, which meet **ASTM E 969 Class B** specifications. The Pipettes are manufactured to deliver and comes in amber colour enamel printing.

Catalogue No.	Capacity	Tolerance (± ml)	Colour Coding Band	Qty Per Pack
122.422.00D	0.5	0.012	2 BLACK	6
122.422.01	1	0.012	BLUE	6
122.422.02	2	0.012	ORANGE	6
122.422.02A	3	0.02	BLACK	6
122.422.02B	4	0.02	2 RED	6
122.422.03	5	0.02	WHITE	6
122.422.03A	6	0.03	2 ORANGE	6
122.422.03B	7	0.03	2 GREEN	6
122.422.03C	8	0.04	BLUE	6
122.422.03D	9	0.04	BLACK	6
122.422.04	10	0.04	RED	6
122.422.04E	15	0.06	GREEN	6
122.422.05	20	0.06	YELLOW	6
122.422.06	25	0.06	BLUE	6
122.422.06E*	30	0.06	BLACK	6
122.422.06O*	40	0.10	WHITE	6
122.422.07	50	0.10	RED	6
122.422.08	100	0.16	YELLOW	2

* Non ASTM

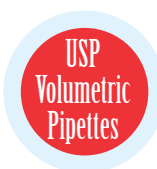




All the volumetric glassware or measuring instruments to be used in laboratories which are under surveillance of US authorities such as Food and Drug Administration (FDA), have a mandatory requirement to use products which adhere to standards set by US PHARMACOPEIA. The USP standard has some deviation from DIN, ISO standards. The products that fall under this category are

- Measuring Pipettes
- Volumetric Pipettes
- Measuring Cylinder
- Volumetric Flasks

All the products mentioned above have tighter tolerances compared to ISO standards.



Volumetric Pipettes 1 mark in compliance with USP standard

Cat No. PIPETTES WITH BATCH CERTIFICATE CLASS AS	Cat no. PIPETTES WITH INDIVIDUAL WORK CERTIFICATE CLASS A				
		Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/Pack
123.461.00	123.220.00	0.5ml	2 BLACK	0.006	5
123.461.01	123.220.01	1ml	BLUE	0.006	5
123.461.02	123.220.02	2ml	ORANGE	0.006	5
123.461.02A	123.220.02A	3ml	BLACK	0.010	5
123.461.02B	123.220.02B	4ml	2 RED	0.010	5
123.461.03	123.220.03	5ml	WHITE	0.010	5
123.461.03A	123.220.03A	6ml	2 ORANGE	0.010	5
123.461.03B	123.220.03B	7ml	2 GREEN	0.010	5
123.461.03C	123.220.03C	8ml	BLUE	0.020	5
123.461.03D	123.220.03D	9ml	BLACK	0.020	5
123.461.04	123.220.04	10ml	RED	0.020	5
123.461.04E	123.220.04E	15ml	GREEN	0.030	5
123.461.05	123.220.05	20ml	YELLOW	0.030	5
123.461.06	123.220.06	25ml	BLUE	0.030	5
123.461.06E	123.220.06E	30ml	BLACK	0.030	5
123.461.06O	123.220.06O	40ml	WHITE	0.050	5
123.461.07	123.220.07	50ml	RED	0.050	5
123.461.08	123.220.08	100ml	YELLOW	0.080	5



Graduated Pipettes Type 3 (Serological) in compliance with USP Standard

Pipettes With Batch Certificate CLASS AS Cat No.	Pipettes With Individual Work Certificate CLASS A Cat No.				
		Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/Pack
125.461.00	125.220.00	0.1 ml	WHITE	0.010	5
125.461.00A	125.220.00A	0.2 ml	BLACK	0.010	5
125.461.01	125.220.01	1ml	YELLOW	0.010	5
125.461.02	125.220.02	2ml	BLACK	0.010	5
125.461.03	125.220.03	5ml	RED	0.020	5
125.461.04	125.220.04	10ml	ORANGE	0.030	5
125.461.06	125.220.06	25ml	WHITE	0.050	5



Pipette Box

made of polypropylene, this Pipette Box is designed in such a way that it can hold Pipettes of different lengths. The top of the box screws on the bottom and the height can be adjusted by screwing the top.

Material : Polypropylene



Cat. No.	Type	Pcs/Pack
171.303.01	Pipette Box	4





Graduated Pipettes

Glassco Graduated Pipettes now comes in Type 1 (Mohr) and Type 3 (Serological).

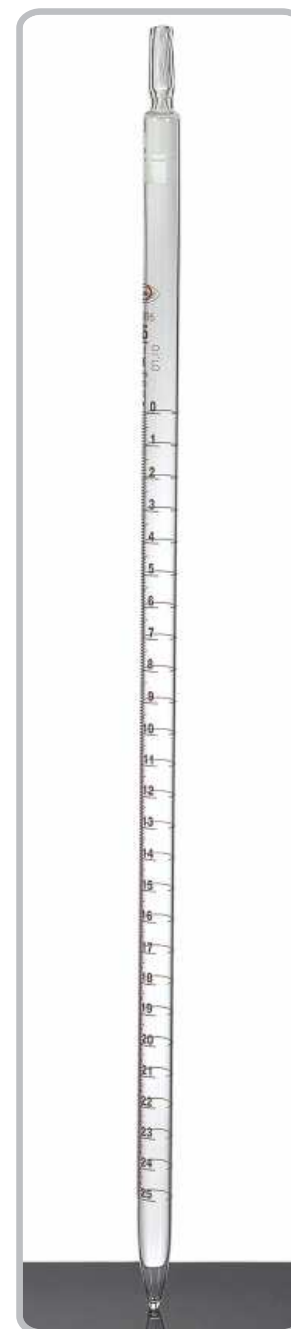
- Type 1 : These pipettes are for partial delivery having 0 point at top.
- Type 3 : These pipettes are for complete delivery having 0 Point at top.

All are manufactured to meet ISO 835 Standards. These pipettes are calibrated to deliver (TD, EX) + 20° C. All graduated pipettes are calibrated by automatic machine and then the final quality check is done on the quality control centre. The graduated pipettes come in AS class with conformity batch certificate and individual work certificate which is printed in amber colour which fuses into the glass. Each pipette is accompanied with a batch or individual certificate in the pack. You can also download the certificate at www.glasscolabs.com. All A Class pipettes have a waiting time of 5 seconds.



Graduated Pipettes Type 3 (Serological)
in compliance with **DIN ISO 835, EN ISO 835 Standard**

Pipettes With Batch Certificate CLASS AS Cat No.	Pipettes With Individual Work Certificate CLASS A Cat No.				
		Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/ Pack
125.202.00	125.223.00	0.1 ml	WHITE	0.006	5
125.202.00A	125.223.00A	0.2 ml	BLACK	0.006	5
125.202.01	125.223.01	1ml	YELLOW	0.007	5
125.202.02	125.223.02	2ml	BLACK	0.010	5
125.202.03	125.223.03	5ml	RED	0.030	5
125.202.04	125.223.04	10ml	ORANGE	0.050	5
125.202.06	125.223.06	25ml	WHITE	0.100	5



Graduated Pipettes Type 1 (Mohr),
As per **DIN ISO 835 Standard**

Pipettes With Batch Certificate CLASS AS Cat No.	Pipettes With Individual Work Certificate CLASS A Cat No.				
		Cap. ml.	Colour Code	Tolerance (±ml)	Pcs/ Pack
125.453.00	125.416.00	0.1 ml	WHITE	0.006	5
125.453.00A	125.416.00A	0.2 ml	BLACK	0.006	5
125.453.00B	125.416.00B	1ml	YELLOW	0.007	5
125.453.01A	125.416.01A	2ml	BLACK	0.010	5
125.453.02A	125.416.02A	5ml	RED	0.030	5
125.453.04	125.416.04	10ml	ORANGE	0.050	5
125.453.06	125.416.06B	25ml	WHITE	0.100	5





Graduated Pipettes

Graduated Pipette (Serological), CLASS A SERIALIZED

These pipettes are manufactured which are calibrated to deliver as per **ASTM E 1044** and is printed in amber colour enamel.

Catalogue No.	Capacity	Sub Division	Tolerance (\pm ml)	Colour Coding Band	Qty Per Pack
125.423.01	1 ML	0.1	0.01	RED	6
125.423.01A	1 ML	0.01	0.01	YELLOW	6
125.423.02	2 ML	0.1	0.01	GREEN	6
125.423.03	5 ML	0.1	0.02	BLUE	6
125.423.04	10 ML	0.1	0.03	ORANGE	6
125.423.06	25 ML	0.1	0.05	WHITE	2



Graduated Pipette (Serological), CLASS A UNSERIALIZED

These pipettes are manufactured which are calibrated to deliver as per **ASTM E 1044** and is printed in amber colour enamel.

Catalogue No.	Capacity	Sub Division	Tolerance (\pm ml)	Colour Coding Band	Qty Per Pack
125.402.01	1 ML	0.1	0.01	RED	6
125.402.01A	1 ML	0.01	0.01	YELLOW	6
125.402.02	2 ML	0.1	0.01	GREEN	6
125.402.03	5 ML	0.1	0.02	BLUE	6
125.402.04	10 ML	0.1	0.03	ORANGE	6
125.402.06	25 ML	0.1	0.05	WHITE	2



Graduated Pipettes (Mohr), CLASS A SERIALIZED

These Pipettes are manufactured which are calibrated to deliver as per **ASTM E 1293** and is printed in amber colour enamel.

Catalogue No.	Capacity	Sub Division	Tolerance (\pm ml)	Colour Coding Band	Qty Per Pack
125.452.01	1 ML	0.1	0.01	RED	6
125.452.01A	1 ML	0.01	0.01	YELLOW	6
125.452.02	2 ML	0.1	0.01	GREEN	6
125.452.03	5 ML	0.1	0.02	BLUE	6
125.452.04	10 ML	0.1	0.03	ORANGE	6
125.452.05	25 ML	0.1	0.05	WHITE	2

Graduated Pipettes (Mohr), CLASS A UNSERIALIZED

These Pipettes are manufactured which are calibrated to deliver as per **ASTM E 1293** and is printed in amber colour enamel.

Catalogue No.	Capacity	Sub Division	Tolerance (\pm ml)	Colour Coding Band	Qty Per Pack
125.455.01	1 ML	0.1	0.01	RED	6
125.455.01A	1 ML	0.01	0.01	YELLOW	6
125.455.02	2 ML	0.1	0.01	GREEN	6
125.455.03	5 ML	0.1	0.02	BLUE	6
125.455.04	10 ML	0.1	0.03	ORANGE	6
125.455.05	25 ML	0.1	0.05	WHITE	2





Graduated Pipette (Serological), CLASS B

These Pipettes are manufactured which are calibrated to deliver as per **ASTM E 1044** and is printed in amber colour enamel.

Catalogue No.	Capacity	Sub Division	Tolerance (\pm ml)	Colour Coding Band	Qty Per Pack
124.418.00	0.1ML	0.01	0.005	WHITE	6
124.418.00A	0.2ML	0.01	0.008	BLACK	6
124.418.01	1 ML	0.1	0.02	RED	6
124.418.01A	1 ML	0.01	0.02	YELLOW	6
124.418.02	2 ML	0.1	0.02	GREEN	6
124.418.03	5 ML	0.1	0.04	BLUE	6
124.418.04	10 ML	0.1	0.06	ORANGE	6
124.418.06B	25 ML	0.1	0.1	WHITE	2



Graduated Pipettes (Mohr), CLASS B

These Pipettes are manufactured which are calibrated to deliver as per **ASTM E 1293** and is printed in amber colour enamel.

Catalogue No.	Capacity	Sub Division	tolerance (\pm ml)	Colour Coding Band	Qty Per Pack
124.125.00	0.1ML	0.01	0.005	WHITE	6
124.125.00A	0.2ML	0.01	0.008	BLACK	6
124.125.01	1 ML	0.1	0.02	RED	6
124.125.01A	1 ML	0.01	0.02	YELLOW	6
124.125.02	2 ML	0.1	0.02	GREEN	6
124.125.03	5 ML	0.1	0.04	BLUE	6
124.125.04	10 ML	0.1	0.06	ORANGE	6
124.125.05	25 ML	0.1	0.1	WHITE	2





Pipette Controller

- Can fill 25 ml pipette under 4 seconds
- Safety valve and hydrophobic filters provide double protection against fluid penetration
- Two different speed modes - High & Low along with Gravity drain
- The pump speed can also be fine-tuned by varying finger pressure on operating knobs for better control of speed
- Cadmium free environment friendly NiMH batteries
- Batteries can be changed very easily by the user
- The intelligent charger prevents over charging / heating of batteries
- Low battery indicator
- The specially designed Desktop Stand enables the Pipette Controller to be charged while resting on it.
- The Pipette Controller can hold the serological pipette while resting on Desktop Stand.

Technical Data

Power	2 x 1.2 V / 1000 mAh NiMH batteries
Battery Service Life	Eight hours continuous use
Battery Charging Time	2 - 3 hours to charge fully
Volumetric Range	Plastic or Glass pipette from 0.1 ml up to 200 ml
Safety System	Replaceable hydrophobic 0.45 µm PTFE filter Safety check valve
Standard Accessory	Battery charger (UK plug) Desktop Stand Hydrophobic PTFE membrane filter 0.45 µm 1Pc Hydrophobic PTFE membrane filter 0.20 µm 1Pc Wall mounting stand with screw



Ordering Information

Cat. No.	Description	Pcs/Pack
501.404.01	Pipette Controller - Blue	1
501.404.02	Desktop Stand	1



Pipette Pump

presenting a fast release pipetting device for precise pipetting & zip quick emptying. The Knurled thumbwheel can be rotated to draw up or dispense liquids while the releaser may be pushed in for zip-quick emptying. The moulded chuck has a silicon rubber collet inside to hold various pipettes of standard sizes. It resists acids & alkalis and can be easily disassembled for thorough cleaning.

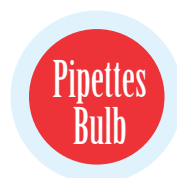
Material : Acrylonitrile Butadiene Styrene

Cat. No.	Capacity	Pcs/Pack
104.303.01	2 ml	12
104.303.02	10 ml	12
104.303.03	25 ml	12

Pipettes Bulb

A normal pressure on the bulb permits the intake of the required quantity. Used for repeated sampling.

Cat. No.	Size	Cap.	Pcs/Pack
411.303.01	Small	5 ml	6
411.303.02	Medium	10 ml	6
411.303.03	Large	15 ml	6
411.303.04	XX Large	25 ml	6
411.303.05	XXX Large	50 ml	6

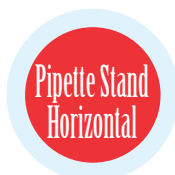


Pipette Filler

50 ml, with a release valve to allow adjustment of liquid.

Cat. No.	Type	Pcs/Pack
415.303.01	red colour, made of natural rubber	4
415.303.02	blue colour, made of silicon rubber	4





Pipette Stand (Horizontal)

this detachable stand can hold 12 pipettes, 6 on each side, in a horizontal position. Moulded in Polypropylene, this autoclavable stand has two sides which are attached to each other with three metallic rods coated with Polypropylene. This stand can be easily disassembled for space saving storage.

Material : Polypropylene

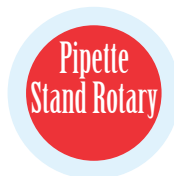
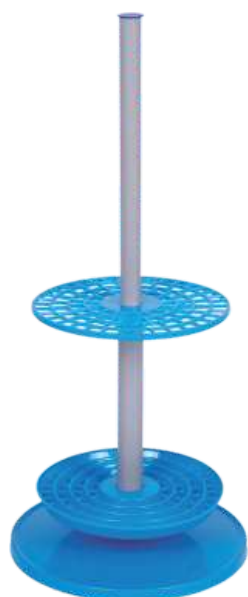
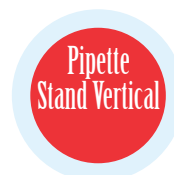
Cat. No.	Capacity	Pcs/Pack
168.303.01	For 12 Pipettes	6

Pipette Stand (Vertical)

is a stable, non-corrosive, detachable stand which can hold 28 pipettes with maximum dia 14 mm. The heavy base measures 225 mm in diameter and a Polypropylene coated square rod measuring 375 mm in length is screwed into the base. The top disc that can be fixed on the rod has holes for holding pipettes while the lower one has pilot holes where the pipettes tips rest and liquids drain down to the base. These discs can be adjusted on the rod according to the length of the pipette. The arrows provided on the discs should be kept parallel to ensure that corresponding holes are being centered.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
169.303.01	For 28 Pipettes	1



Pipette Stand (94 Pipettes- Rotary)

moulded in Polypropylene, this unique Stand holds a maximum of 94 pipettes and rotates on a central vertical axis for convenient selection of any particular pipette. The lower rotating disc has four concentric troughs with tapered sides and open bottom which cradle the pipette tips protectively and permit water drops to run off. The upper disc has a grid pattern concentric with the bottom disc and keeps the pipettes vertical. Liquids draining off the pipettes are retained on the top of the stationary base by the outer ring. This stand can be easily disassembled & reassembled.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
170.303.01	For 94 Pipettes	1

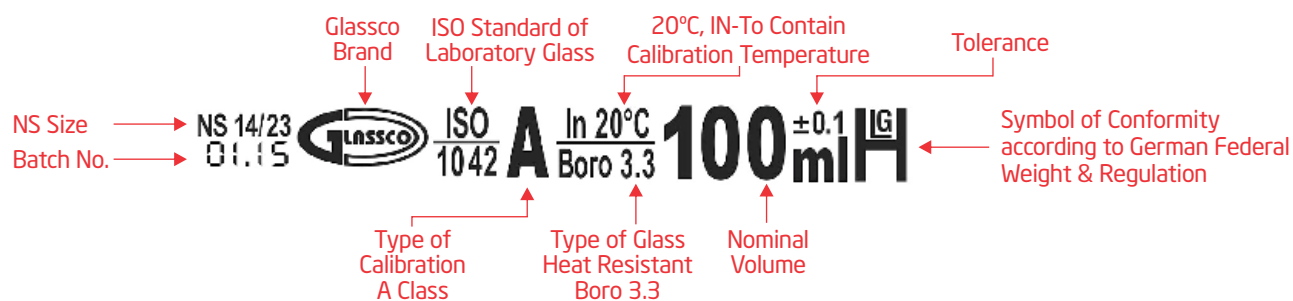




Volumetric Flasks

Volumetric Flasks CLASS A are made from ASTM E 438 TYPE 1 CLASS A heat resistant BORO 3.3 Glass that meet ISO 1042 standard. The calibration is done on automatic computer controlled machine and are calibrated to contain (TC, In) according to the ISO tolerance standards. These are supplied with PP stoppers or glass stoppers in both amber and clear glass. All A Class flasks are printed in Blue colour & B Class in White colour, Amber Glass is marked in white colour the meniscus mark is diamond grinded for longer persistence and better accuracy. All Class A Volumetric Flask comes with Conformity Batch Certificate or Individual Work Certificate and have H mark printed on the Flask.

Overview of the Printing:



Volumetric Flasks Class A in compliance with **DIN ISO 1042 Standards** with conformity batch certified

BATCH CERTIFICATE WITH PP STOPPER	BATCH CERTIFICATE WITH GLASS STOPPER				
		Cap. ml.	N/S	Tolerance (±ml)	PCS/PACK
130.202.01	130.234.01	5ML	10/19	0.040	2
130.202.02	130.234.02	10ML	10/19	0.040	2
130.202.02A	130.234.03	20ML	10/19	0.040	2
130.202.03	130.234.04	25ML	10/19	0.040	2
130.202.04	130.234.05	50ML	12/21	0.060	2
130.202.04B	130.234.06	50ML	14/23	0.100	2
130.202.05B	130.234.07	100ML	12/21	0.100	2
130.202.05	130.234.08	100ML	14/23	0.100	2
130.202.06	130.234.09	200ML	14/23	0.150	2
130.202.07	130.234.10	250ML	14/23	0.150	2
130.202.08	130.234.11	500ML	19/26	0.250	2
130.202.09	130.234.12	1000ML	24/29	0.400	2
130.202.10	130.234.13	2000ML	29/32	0.600	1
130.202.11	130.234.14	5000ML	34/35	1.200	1



Amber Volumetric Flasks Class A in compliance with **DIN ISO 1042 Standards** with conformity batch certified

AMBER GLASS BATCH CERTIFICATE WITH PP STOPPER	AMBER GLASS BATCH CERTIFICATE WITH GLASS STOPPER				
		Cap. ml.	N/S	Tolerance (±ml)	PCS/PACK
130.202.01A	130.234.01A	5ML	10/19	0.040	2
130.202.02AB	130.234.02A	10ML	10/19	0.040	2
130.202.03A	130.234.03A	20ML	10/19	0.040	2
130.202.04A	130.234.04A	25ML	10/19	0.040	2
130.202.05A	130.234.05A	50ML	12/21	0.060	2
130.202.05AB	130.234.06A	50ML	14/23	0.100	2
130.202.06AB	130.234.07A	100ML	12/21	0.100	2
130.202.06A	130.234.08A	100ML	14/23	0.100	2
130.202.07A	130.234.09A	200ML	14/23	0.150	2
130.202.08A	130.234.10A	250ML	14/23	0.150	2
130.202.09A	130.234.11A	500ML	19/26	0.250	2
130.202.10A	130.234.12A	1000ML	24/29	0.400	2
130.202.11A	130.234.13A	2000ML	29/32	0.600	1



Volumetric Flasks



Volumetric
Flasks

Volumetric Flask Class A in compliance with **DIN ISO 1042 Standards** with Individual Work Certificate and Serial Number.

INDIVIDUAL WORK CERTIFICATE WITH PP STOPPER	INDIVIDUAL WORK CERTIFICATE WITH GLASS STOPPER				
		Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
130.223.01	130.236.01	5ML	10/19	0.040	1
130.223.02	130.236.02	10ML	10/19	0.040	1
130.223.02A	130.236.03	20ML	10/19	0.040	1
130.223.03	130.236.04	25ML	10/19	0.040	1
130.223.04	130.236.05	50ML	12/21	0.060	1
130.223.04B	130.236.06	50ML	14/23	0.100	1
130.223.05B	130.236.07	100ML	12/21	0.100	1
130.223.05	130.236.08	100ML	14/23	0.100	1
130.223.06	130.236.09	200ML	14/23	0.150	1
130.223.07	130.236.10	250ML	14/23	0.150	1
130.223.08	130.236.11	500ML	19/26	0.250	1
130.223.09	130.236.12	1000ML	24/29	0.400	1
130.223.10	130.236.13	2000ML	29/32	0.600	1
130.223.11	130.236.14	5000ML	34/35	1.200	1

01.12

159

Batch Code

Individual Serialized No.

For more information see Page : 40

Amber
Volumetric
Flasks

Amber Volumetric Flask Class A in compliance with **DIN ISO 1042 Standards** with Individual Work Certificate and Serial Number.

AMBER GLASS WITH INDIVIDUAL WORK CERTIFICATE WITH PP STOPPER	AMBER GLASS WITH INDIVIDUAL WORK CERTIFICATE WITH GLASS STOPPER				
		Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
130.223.01A	130.236.01A	5ML	10/19	0.040	1
130.223.02AB	130.236.02A	10ML	10/19	0.040	1
130.223.03A	130.236.03A	20ML	10/19	0.040	1
130.223.04A	130.236.04A	25ML	10/19	0.040	1
130.223.05A	130.236.05A	50ML	12/21	0.060	1
130.223.05AB	130.236.06A	50ML	14/23	0.100	1
130.223.06AB	130.236.07A	100ML	12/21	0.100	1
130.223.06A	130.236.08A	100ML	14/23	0.100	1
130.223.07A	130.236.09A	200ML	14/23	0.150	1
130.223.08A	130.236.10A	250ML	14/23	0.150	1
130.223.09A	130.236.11A	500ML	19/26	0.250	1
130.223.10A	130.236.12A	1000ML	24/29	0.400	1
130.223.11A	130.236.13A	2000ML	29/32	0.600	1





Volumetric Flasks

Volumetric Flasks, Clear Glass, Class B, DIN ISO-1042

Cat. No. WITH PP STOPPER	Cat. No. WITH Glass STOPPER				
		Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
129.222.01	128.234.01	5ML	10/19	0.080	2
129.222.02	128.234.02	10ML	10/19	0.080	2
129.222.02A	128.234.02A	20ML	10/19	0.080	2
129.222.03	128.234.03	25ML	10/19	0.080	2
129.222.04	128.234.04	50ML	12/21	0.120	2
129.222.04A	128.234.04A	50ML	14/23	0.200	2
129.222.11	128.234.11	100ML	12/21	0.200	2
129.222.05	128.234.05	100ML	14/23	0.200	2
129.222.06	128.234.06	200ML	14/23	0.300	2
129.222.07	128.234.07	250ML	14/23	0.300	2
129.222.08	128.234.08	500ML	19/26	0.500	2
129.222.09	128.234.09	1000ML	24/29	0.800	2
129.222.10	128.234.10	2000ML	29/32	1.200	1

Volumetric
Flasks



Volumetric
Flasks

Volumetric Flasks, Amber Glass, Class B, DIN ISO-1042

Cat. No. WITH PP STOPPER	Cat. No. WITH GLASS STOPPER	Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
130.222.01A	130.422.01A	5ML	10/19	0.08	1
130.222.02AB	130.422.02AB	10ML	10/19	0.08	1
130.222.03A	130.422.03A	20ML	10/19	0.08	1
130.222.04A	130.422.04A	25ML	10/19	0.08	1
130.222.05A	130.422.05A	50ML	12/21	0.120	1
130.222.05AB	130.422.05AB	50ML	14/23	0.200	1
130.222.06AB	130.422.06AB	100ML	12/21	0.200	1
130.222.06A	130.422.06A	100ML	14/23	0.200	1
130.222.07A	130.422.07A	200ML	14/23	0.300	1
130.222.08A	130.422.08A	250ML	14/23	0.300	1
130.222.09A	130.422.09A	500ML	19/26	0.500	1
130.222.10A	130.422.10A	1000ML	24/29	0.800	1
130.222.11A	130.422.11A	2000ML	29/32	1.200	1





Volumetric Flasks

USP Flasks

Volumetric Flask PP Stopper Class A in compliance with USP (United States Pharmacopia) Standard with Individual work Certificate and Serial Number.

WITH PP STOPPER CLEAR GLASS	WITH PP STOPPER AMBER GLASS				
		Cap. ml.	N/S	Tolerance (±ml)	PCS/PACK
130.220.01	130.220.01A	5ML	10/19	0.020	1
130.220.02	130.220.02AB	10ML	10/19	0.020	1
130.220.02A	130.220.03A	20ML	10/19	0.030	1
130.220.03	130.220.04A	25ML	10/19	0.030	1
130.220.04	130.220.05A	50ML	12/21	0.050	1
130.220.04B	130.220.05AB	50ML	14/23	0.050	1
130.220.05B	130.220.06AB	100ML	12/21	0.080	1
130.220.05	130.220.06A	100ML	14/23	0.080	1
130.220.06	130.220.07A	200ML	14/23	0.100	1
130.220.07	130.220.08A	250ML	14/23	0.120	1
130.220.08	130.220.09A	500ML	19/26	0.150	1
130.220.09	130.220.10A	1000ML	24/29	0.300	1
130.220.10	130.220.11A	2000ML	29/32	0.500	1



Volumetric Flasks

Volumetric Flask, PP Stopper Class A
In Compliance with USP Standard with Conformity Batch Certificate

WITH PP STOPPER CLEAR GLASS	WITH PP STOPPER AMBER GLASS				
		Cap. ml.	N/S	Tolerance (±ml)	PCS/PACK
130.461.01	130.462.01	5ML	10/19	0.020	2
130.461.02	130.462.02	10ML	10/19	0.020	2
130.461.03	130.462.03	20ML	10/19	0.030	2
130.461.04	130.462.04	25ML	10/19	0.030	2
130.461.05	130.462.05	50ML	12/21	0.050	2
130.461.06	130.462.06	50ML	14/23	0.050	2
130.461.07	130.462.07	100ML	12/21	0.080	2
130.461.08	130.462.08	100ML	14/23	0.080	2
130.461.09	130.462.09	200ML	14/23	0.100	2
130.461.10	130.462.10	250ML	14/23	0.120	2
130.461.11	130.462.11	500ML	19/26	0.150	2
130.461.12	130.462.12	1000ML	24/29	0.300	2
130.461.13	130.462.13	2000ML	29/32	0.500	1





Volumetric Flasks

Catalogue No.	Capacity	Tolerance (± ml)	Stopper Size	Stopper Type	Qty Per Pack
134.236.00*	1ml	+/- 0.01 mL	8	PENNY HEAD GLASS	1
134.236.00B*	2ml	+/- 0.015 mL	8	PENNY HEAD GLASS	1
134.236.01	5ml	+/- 0.02 mL	9	PENNY HEAD GLASS	1
131.236.01	5ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.02	10ml	+/- 0.02 mL	9	PENNY HEAD GLASS	1
131.236.02	10ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.03*	20ml	+/- 0.03 mL	9	PENNY HEAD GLASS	1
131.236.03*	20ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.04	25ml	+/- 0.03 mL	9	PENNY HEAD GLASS	1
131.236.04	25ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.05	50ml	+/- 0.05 mL	9	PENNY HEAD GLASS	1
131.236.05	50ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.06	100ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
131.236.06	100ml	+/- 0.10 mL	16	PENNY HEAD GLASS	1
134.236.07	200ml	+/- 0.10 mL	16	PENNY HEAD GLASS	1
131.236.07	200ml	+/- 0.20 mL	19	PENNY HEAD GLASS	1
134.236.08	250ml	+/- 0.12 mL	16	PENNY HEAD GLASS	1
131.236.08	250ml	+/- 0.20 mL	19	PENNY HEAD GLASS	1
131.236.09	500ml	+/- 0.20 mL	19	PENNY HEAD GLASS	1
131.236.10	1000ml	+/- 0.30 mL	22	PENNY HEAD GLASS	1
131.236.11	2000ml	+/- 0.50 mL	27	PENNY HEAD GLASS	1
131.236.13*	4000ml	+/- 1.20 mL	38	PENNY HEAD GLASS	1
131.236.15*	6000ml	+/- 1.50 mL	38	PENNY HEAD GLASS	1
134.276.00*	1ml	+/- 0.01 mL	8	POLYTHELENE STOPPER	1
134.276.00B*	2ml	+/- 0.015 mL	8	POLYTHELENE STOPPER	1
134.276.01	5ml	+/- 0.02 mL	9	POLYTHELENE STOPPER	1
131.276.01	5ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.02	10ml	+/- 0.02 mL	9	POLYTHELENE STOPPER	1
131.276.02	10ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.03*	20ml	+/- 0.03 mL	9	POLYTHELENE STOPPER	1
131.276.03*	20ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.04	25ml	+/- 0.03 mL	9	POLYTHELENE STOPPER	1
131.276.04	25ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.05	50ml	+/- 0.05 mL	9	POLYTHELENE STOPPER	1
131.276.05	50ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.06	100ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
131.276.06	100ml	+/- 0.10 mL	16	POLYTHELENE STOPPER	1
134.276.07	200ml	+/- 0.10 mL	16	POLYTHELENE STOPPER	1
131.276.07	200ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	1
134.276.08	250ml	+/- 0.12 mL	16	POLYTHELENE STOPPER	1
131.276.08	250ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	1
131.276.09	500ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	1
131.276.10	1000ml	+/- 0.30 mL	22	POLYTHELENE STOPPER	1
131.276.11	2000ml	+/- 0.50 mL	27	POLYTHELENE STOPPER	1
131.276.13*	4000ml	+/- 1.20 mL	38	POLYTHELENE STOPPER	1
131.276.15*	6000ml	+/- 1.50 mL	38	POLYTHELENE STOPPER	1
134.479.00*	1ml	+/- 0.01 mL	8	PTFE STOPPER	1
134.479.00B*	2ml	+/- 0.015 mL	8	PTFE STOPPER	1
134.479.01	5ml	+/- 0.02 mL	9	PTFE STOPPER	1
131.479.01	5ml	+/- 0.08 mL	13	PTFE STOPPER	1
131.479.02	10ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.479.02	10ml	+/- 0.02 mL	9	PTFE STOPPER	1
131.479.03*	20ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.479.03*	20ml	+/- 0.03 mL	9	PTFE STOPPER	1
134.479.04	25ml	+/- 0.03 mL	9	PTFE STOPPER	1
131.479.04	25ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.479.05	50ml	+/- 0.05 mL	9	PTFE STOPPER	1
131.479.05	50ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.479.06	100ml	+/- 0.08 mL	13	PTFE STOPPER	1
131.479.06	100ml	+/- 0.10 mL	16	PTFE STOPPER	1
134.479.07	200ml	+/- 0.10 mL	16	PTFE STOPPER	1
131.479.07	200ml	+/- 0.20 mL	19	PTFE STOPPER	1
134.479.08	250ml	+/- 0.12 mL	16	PTFE STOPPER	1
131.479.08	250ml	+/- 0.20 mL	19	PTFE STOPPER	1
131.479.09	500ml	+/- 0.20 mL	19	PTFE STOPPER	1
131.479.10	1000ml	+/- 0.30 mL	22	PTFE STOPPER	1
131.479.11	2000ml	+/- 0.50 mL	27	PTFE STOPPER	1
131.479.13*	4000ml	+/- 1.20 mL	38	PTFE STOPPER	1
131.479.15*	6000ml	+/- 1.50 mL	38	PTFE STOPPER	1

* Non ASTM

Volumetric Flask, CLASS A, SERIALIZED

These flasks are made as per **ASTM E 288 Class A** Serialized specification. The flasks have diamond graduated line and are calibrated TC (To Contain). These comes in white colour enamel printing.



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Serialized





Volumetric Flask, CLASS A, UNSERIALIZED

These flasks are made as per **ASTM E 288 Class A** Serialized specification. The flasks have diamond graduated line and are calibrated TC (To Contain). These comes in white colour enamel printing.



Catalogue No.	Capacity	Tolerance (± ml)	Stopper Size	Stopper Type	Qty Per Pack
134.234.00*	1ml	+/- 0.01 mL	8	PENNY HEAD GLASS	2
134.234.00B*	2ml	+/- 0.015 mL	8	PENNY HEAD GLASS	2
134.234.01	5ml	+/- 0.02 mL	9	PENNY HEAD GLASS	2
131.234.01	5ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.02	10ml	+/- 0.02 mL	9	PENNY HEAD GLASS	2
131.234.02	10ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.03*	20ml	+/- 0.03 mL	9	PENNY HEAD GLASS	2
131.234.03*	20ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.04	25ml	+/- 0.03 mL	9	PENNY HEAD GLASS	2
131.234.04	25ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.05	50ml	+/- 0.05 mL	9	PENNY HEAD GLASS	2
131.234.05	50ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.06	100ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
131.234.06	100ml	+/- 0.10 mL	16	PENNY HEAD GLASS	2
134.234.07	200ml	+/- 0.10 mL	16	PENNY HEAD GLASS	2
131.234.07	200ml	+/- 0.20 mL	19	PENNY HEAD GLASS	2
134.234.08	250ml	+/- 0.12 mL	16	PENNY HEAD GLASS	2
131.234.08	250ml	+/- 0.20 mL	19	PENNY HEAD GLASS	2
131.234.09	500ml	+/- 0.20 mL	19	PENNY HEAD GLASS	2
131.234.10	1000ml	+/- 0.30 mL	22	PENNY HEAD GLASS	2
131.234.11	2000ml	+/- 0.50 mL	27	PENNY HEAD GLASS	1
131.234.13*	4000ml	+/- 1.20 mL	38	PENNY HEAD GLASS	1
131.234.15*	6000ml	+/- 1.50 mL	38	PENNY HEAD GLASS	1
134.232.00*	1ml	+/- 0.01 mL	8	POLYTHELENE STOPPER	2
134.232.00B*	2ml	+/- 0.015 mL	8	POLYTHELENE STOPPER	2
134.232.01	5ml	+/- 0.02 mL	9	POLYTHELENE STOPPER	2
131.232.01	5ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.02	10ml	+/- 0.02 mL	9	POLYTHELENE STOPPER	2
131.232.02	10ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.03*	20ml	+/- 0.03 mL	9	POLYTHELENE STOPPER	2
131.232.03*	20ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.04	25ml	+/- 0.03 mL	9	POLYTHELENE STOPPER	2
131.232.04	25ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.05	50ml	+/- 0.05 mL	9	POLYTHELENE STOPPER	2
131.232.05	50ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.06	100ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
131.232.06	100ml	+/- 0.10 mL	16	POLYTHELENE STOPPER	2
134.232.07	200ml	+/- 0.10 mL	16	POLYTHELENE STOPPER	2
131.232.07	200ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	2
134.232.08	250ml	+/- 0.12 mL	16	POLYTHELENE STOPPER	2
131.232.08	250ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	2
131.232.09	500ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	2
131.232.10	1000ml	+/- 0.30 mL	22	POLYTHELENE STOPPER	2
131.232.11	2000ml	+/- 0.50 mL	27	POLYTHELENE STOPPER	1
131.232.13*	4000ml	+/- 1.20 mL	38	POLYTHELENE STOPPER	1
131.232.15*	6000ml	+/- 1.50 mL	38	POLYTHELENE STOPPER	1
134.478.00*	1ml	+/- 0.01 mL	8	PTFE STOPPER	2
134.478.00B*	2ml	+/- 0.015 mL	8	PTFE STOPPER	2
134.478.01	5ml	+/- 0.02 mL	9	PTFE STOPPER	2
131.478.01	5ml	+/- 0.08 mL	13	PTFE STOPPER	2
131.478.02	10ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.478.02	10ml	+/- 0.02 mL	9	PTFE STOPPER	2
134.478.03*	20ml	+/- 0.03 mL	9	PTFE STOPPER	1
131.478.03*	20ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.478.04	25ml	+/- 0.03 mL	9	PTFE STOPPER	2
131.478.04	25ml	+/- 0.08 mL	13	PTFE STOPPER	2
134.478.05	50ml	+/- 0.05 mL	9	PTFE STOPPER	2
131.478.05	50ml	+/- 0.08 mL	13	PTFE STOPPER	2
134.478.06	100ml	+/- 0.08 mL	13	PTFE STOPPER	2
131.478.06	100ml	+/- 0.10 mL	16	PTFE STOPPER	2
134.478.07	200ml	+/- 0.10 mL	16	PTFE STOPPER	2
131.478.07	200ml	+/- 0.20 mL	19	PTFE STOPPER	2
134.478.08	250ml	+/- 0.12 mL	16	PTFE STOPPER	2
131.478.08	250ml	+/- 0.20 mL	19	PTFE STOPPER	2
131.478.09	500ml	+/- 0.20 mL	19	PTFE STOPPER	2
131.478.10	1000ml	+/- 0.30 mL	22	PTFE STOPPER	2
131.478.11	2000ml	+/- 0.50 mL	27	PTFE STOPPER	1
131.478.13*	4000ml	+/- 1.20 mL	38	PTFE STOPPER	1
131.478.15*	6000ml	+/- 1.50 mL	38	PTFE STOPPER	1

* Non ASTM





Volumetric Flasks

Amber Volumetric Flask, CLASS A, SERIALIZED

These flasks are made as per ASTM E 288 Class A Serialized specification. The flasks have diamond graduated line and are calibrated TC (To Contain). These comes in white colour enamel printing.

Catalogue No.	Capacity	Tolerance (± ml)	Stopper Size	Stopper Type	Qty Per Pack
134.236.00A*	1ml	+/- 0.01 mL	8	PENNY HEAD GLASS	1
134.236.00BA*	2ml	+/- 0.015 mL	8	PENNY HEAD GLASS	1
134.236.01A	5ml	+/- 0.02 mL	9	PENNY HEAD GLASS	1
131.236.01A	5ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.02A	10ml	+/- 0.02 mL	9	PENNY HEAD GLASS	1
131.236.02A	10ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.03A*	20ml	+/- 0.03 mL	9	PENNY HEAD GLASS	1
131.236.03A*	20ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.04A	25ml	+/- 0.03 mL	9	PENNY HEAD GLASS	1
131.236.04A	25ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.05A	50ml	+/- 0.05 mL	9	PENNY HEAD GLASS	1
131.236.05A	50ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
134.236.06A	100ml	+/- 0.08 mL	13	PENNY HEAD GLASS	1
131.236.06A	100ml	+/- 0.10 mL	16	PENNY HEAD GLASS	1
134.236.07A	200ml	+/- 0.10 mL	16	PENNY HEAD GLASS	1
131.236.07A	200ml	+/- 0.20 mL	19	PENNY HEAD GLASS	1
134.236.08A	250ml	+/- 0.12 mL	16	PENNY HEAD GLASS	1
131.236.08A	250ml	+/- 0.20 mL	19	PENNY HEAD GLASS	1
131.236.09A	500ml	+/- 0.20 mL	19	PENNY HEAD GLASS	1
131.236.10A	1000ml	+/- 0.30 mL	22	PENNY HEAD GLASS	1
131.236.11A	2000ml	+/- 0.50 mL	27	PENNY HEAD GLASS	1
134.276.00A*	1ml	+/- 0.01 mL	8	POLYTHELENE STOPPER	1
134.276.00BA*	2ml	+/- 0.015 mL	8	POLYTHELENE STOPPER	1
134.276.01A	5ml	+/- 0.02 mL	9	POLYTHELENE STOPPER	1
131.276.01A	5ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.02A	10ml	+/- 0.02 mL	9	POLYTHELENE STOPPER	1
131.276.02A	10ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.03A*	20ml	+/- 0.03 mL	9	POLYTHELENE STOPPER	1
131.276.03A*	20ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.04A	25ml	+/- 0.03 mL	9	POLYTHELENE STOPPER	1
131.276.04A	25ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.05A	50ml	+/- 0.05 mL	9	POLYTHELENE STOPPER	1
131.276.05A	50ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
134.276.06A	100ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	1
131.276.06A	100ml	+/- 0.10 mL	16	POLYTHELENE STOPPER	1
134.276.07A	200ml	+/- 0.10 mL	16	POLYTHELENE STOPPER	1
131.276.07A	200ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	1
134.276.08A	250ml	+/- 0.12 mL	16	POLYTHELENE STOPPER	1
131.276.08A	250ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	1
131.276.09A	500ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	1
131.276.10A	1000ml	+/- 0.30 mL	22	POLYTHELENE STOPPER	1
131.276.11A	2000ml	+/- 0.50 mL	27	POLYTHELENE STOPPER	1
134.479.00A*	1ml	+/- 0.01 mL	8	PTFE STOPPER	1
134.479.00BA*	2ml	+/- 0.015 mL	8	PTFE STOPPER	1
134.479.01A	5ml	+/- 0.02 mL	9	PTFE STOPPER	1
131.479.01A	5ml	+/- 0.08 mL	13	PTFE STOPPER	1
131.479.02A	10ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.479.02A	10ml	+/- 0.02 mL	9	PTFE STOPPER	1
131.479.03A*	20ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.479.03A*	20ml	+/- 0.03 mL	9	PTFE STOPPER	1
134.479.04A	25ml	+/- 0.03 mL	9	PTFE STOPPER	1
131.479.04A	25ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.479.05A	50ml	+/- 0.05 mL	9	PTFE STOPPER	1
131.479.05A	50ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.479.06A	100ml	+/- 0.08 mL	13	PTFE STOPPER	1
131.479.06A	100ml	+/- 0.10 mL	16	PTFE STOPPER	1
134.479.07A	200ml	+/- 0.10 mL	16	PTFE STOPPER	1
131.479.07A	200ml	+/- 0.20 mL	19	PTFE STOPPER	1
134.479.08A	250ml	+/- 0.12 mL	16	PTFE STOPPER	1
131.479.08A	250ml	+/- 0.20 mL	19	PTFE STOPPER	1
131.479.09A	500ml	+/- 0.20 mL	19	PTFE STOPPER	1
131.479.10A	1000ml	+/- 0.30 mL	22	PTFE STOPPER	1
131.479.11A	2000ml	+/- 0.50 mL	27	PTFE STOPPER	1

* Non ASTM



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Serialized



Volumetric Flasks



Amber Volumetric Flask, CLASS A, UNSERIALIZED

These flasks are made as per **ASTM E 288 Class A** Serialized specification. The flasks have diamond graduated line and are calibrated TC (To Contain). These comes in white colour enamel printing.



Catalogue No.	Capacity	Tolerance (± ml)	Stopper Size	Stopper Type	Qty Per Pack
134.234.00A*	1ml	+/- 0.01 mL	8	PENNY HEAD GLASS	2
134.234.00BA*	2ml	+/- 0.015 mL	8	PENNY HEAD GLASS	2
134.234.01A	5ml	+/- 0.02 mL	9	PENNY HEAD GLASS	2
131.234.01A	5ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.02A	10ml	+/- 0.02 mL	9	PENNY HEAD GLASS	2
131.234.02A	10ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.03A*	20ml	+/- 0.03 mL	9	PENNY HEAD GLASS	2
131.234.03A*	20ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.04A	25ml	+/- 0.03 mL	9	PENNY HEAD GLASS	2
131.234.04A	25ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.05A	50ml	+/- 0.05 mL	9	PENNY HEAD GLASS	2
131.234.05A	50ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
134.234.06A	100ml	+/- 0.08 mL	13	PENNY HEAD GLASS	2
131.234.06A	100ml	+/- 0.10 mL	16	PENNY HEAD GLASS	2
134.234.07A	200ml	+/- 0.10 mL	16	PENNY HEAD GLASS	2
131.234.07A	200ml	+/- 0.20 mL	19	PENNY HEAD GLASS	2
134.234.08A	250ml	+/- 0.12 mL	16	PENNY HEAD GLASS	2
131.234.08A	250ml	+/- 0.20 mL	19	PENNY HEAD GLASS	2
131.234.09A	500ml	+/- 0.20 mL	19	PENNY HEAD GLASS	2
131.234.10A	1000ml	+/- 0.30 mL	22	PENNY HEAD GLASS	2
131.234.11A	2000ml	+/- 0.50 mL	27	PENNY HEAD GLASS	1
134.232.00A*	1ml	+/- 0.01 mL	8	POLYTHELENE STOPPER	2
134.232.00BA*	2ml	+/- 0.015 mL	8	POLYTHELENE STOPPER	2
134.232.01A	5ml	+/- 0.02 mL	9	POLYTHELENE STOPPER	2
131.232.01A	5ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.02A	10ml	+/- 0.02 mL	9	POLYTHELENE STOPPER	2
131.232.02A	10ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.03A*	20ml	+/- 0.03 mL	9	POLYTHELENE STOPPER	2
131.232.03A*	20ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.04A	25ml	+/- 0.03 mL	9	POLYTHELENE STOPPER	2
131.232.04A	25ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.05A	50ml	+/- 0.05 mL	9	POLYTHELENE STOPPER	2
131.232.05A	50ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
134.232.06A	100ml	+/- 0.08 mL	13	POLYTHELENE STOPPER	2
131.232.06A	100ml	+/- 0.10 mL	16	POLYTHELENE STOPPER	2
134.232.07A	200ml	+/- 0.10 mL	16	POLYTHELENE STOPPER	2
131.232.07A	200ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	2
134.232.08A	250ml	+/- 0.12 mL	16	POLYTHELENE STOPPER	2
131.232.08A	250ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	2
131.232.09A	500ml	+/- 0.20 mL	19	POLYTHELENE STOPPER	2
131.232.10A	1000ml	+/- 0.30 mL	22	POLYTHELENE STOPPER	2
131.232.11A	2000ml	+/- 0.50 mL	27	POLYTHELENE STOPPER	1
134.478.00A*	1ml	+/- 0.01 mL	8	PTFE STOPPER	2
134.478.00BA*	2ml	+/- 0.015 mL	8	PTFE STOPPER	2
134.478.01A	5ml	+/- 0.02 mL	9	PTFE STOPPER	2
131.478.01A	5ml	+/- 0.08 mL	13	PTFE STOPPER	2
134.478.02A	10ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.478.02A	10ml	+/- 0.02 mL	9	PTFE STOPPER	2
134.478.03A*	20ml	+/- 0.05 mL	9	PTFE STOPPER	1
131.478.03A*	20ml	+/- 0.08 mL	13	PTFE STOPPER	1
134.478.04A	25ml	+/- 0.03 mL	9	PTFE STOPPER	2
131.478.04A	25ml	+/- 0.08 mL	13	PTFE STOPPER	2
134.478.05A	50ml	+/- 0.05 mL	9	PTFE STOPPER	2
131.478.05A	50ml	+/- 0.08 mL	13	PTFE STOPPER	2
134.478.06A	100ml	+/- 0.08 mL	13	PTFE STOPPER	2
131.478.06A	100ml	+/- 0.10 mL	16	PTFE STOPPER	2
134.478.07A	200ml	+/- 0.10 mL	16	PTFE STOPPER	2
131.478.07A	200ml	+/- 0.20 mL	19	PTFE STOPPER	2
134.478.08A	250ml	+/- 0.12 mL	16	PTFE STOPPER	2
131.478.08A	250ml	+/- 0.20 mL	19	PTFE STOPPER	2
131.478.09A	500ml	+/- 0.20 mL	19	PTFE STOPPER	2
131.478.10A	1000ml	+/- 0.30 mL	22	PTFE STOPPER	2
131.478.11A	2000ml	+/- 0.50 mL	27	PTFE STOPPER	1

* Non ASTM





Volumetric Flask (Snap Cap), CLASS A UNSERIALIZED

These flasks are made as per **ASTM E 288 Class A Unserialized** Specification. The flasks have diamond graduated line and are calibrated TC (to contain). It comes in white colour enamel printing .

Catalogue No.	Capacity	Tolerance (± ml)	Stopper Type	Qty Per Pack
132.402.05W	50ml	+/- 0.05 mL	SNAP CAP	2
132.402.06W	100ml	+/- 0.08 mL	SNAP CAP	2
132.402.07W	200ml	+/- 0.10 mL	SNAP CAP	2
132.402.08W	250ml	+/- 0.12 mL	SNAP CAP	2
132.402.09W	500ml	+/- 0.20 mL	SNAP CAP	2
132.402.10W	1000ml	+/- 0.30 mL	SNAP CAP	2
132.402.11W	2000ml	+/- 0.50 mL	SNAP CAP	1



Volumetric Flask (Snap Cap), CLASS B

Designed as per **ASTM E 288 Class B**.

Catalogue No.	Capacity	Tolerance (± ml)	Stopper Type	Qty Per Pack
132.422.05	50ml	+/- 0.10 mL	SNAP CAP	2
132.422.06	100ml	+/- 0.16 mL	SNAP CAP	2
132.422.07	200ml	+/- 0.20 mL	SNAP CAP	2
132.422.08	250ml	+/- 0.24 mL	SNAP CAP	2
132.422.09	500ml	+/- 0.40 mL	SNAP CAP	2
132.422.10	1000ml	+/- 0.60 mL	SNAP CAP	2
132.422.11	2000ml	+/- 1.00 mL	SNAP CAP	1



Volumetric Flask

blown in Polypropylene, are strong, unbreakable and have good contact clarity. These autoclavable flasks are provided with screw caps to prevent leakage.

Material : Polypropylene

Cat. No.	Capacity	Pcs/Pack
158.303.01	25 ml	6
158.303.02	50 ml	6
158.303.03	100ml	6
158.303.04	250 ml	2
158.303.05	500ml	2
158.303.06	1000 ml	2





Measuring Cylinders

GLASSCO measuring cylinders are made from ASTM E - 438 TYPE 1 CLASS A BORO 3.3 glass that meet ISO 4788 standard. The calibration is done on automatic computer controlled machine and are calibrated to contain (TC, In) according to the ISO tolerance standards. All these cylinders of CLASS A are printed in blue colour and class B in white colour. All Cylinders come with H Mark printed on it.



Measuring Cylinder with Round Base Class A with conformity batch certificate or individual work certificate (Economy Model)

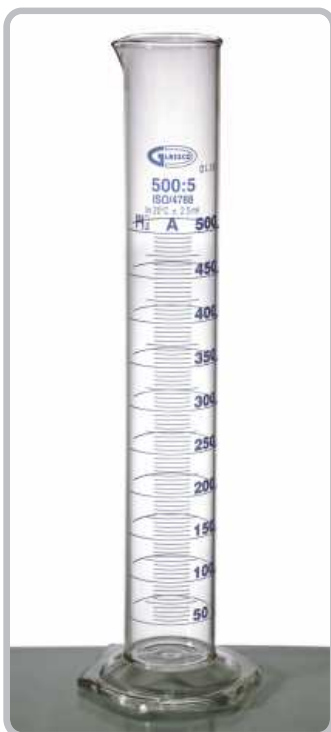
Cat No. with conformity batch certificate	Cat no. With individual work certificate	Economy				
		Cap. ml.	SUB DIVISION	Tolerance (±ml)	Lot PCS/ PACK	Individual PCS/ PACK
139.202.01	139.223.01	5ML	0.1	0.05	2	1
139.202.02	139.223.02	10ML	0.2	0.10	2	1
139.202.03	139.223.03	25ML	0.5	0.25	2	1
139.202.04	139.223.04	50ML	1.0	0.50	2	1
139.202.05	139.223.05	100ML	1.0	0.50	2	1
139.202.06	139.223.06	250ML	2.0	1.00	2	1
139.202.07	139.223.07	500ML	5.0	2.50	2	1
139.202.08	139.223.08	1000ML	10.0	5.00	1	1
139.202.09	139.223.09	2000ML	20.0	10.00	1	1

Measuring Cylinders

moulded in Polypropylene. These autoclavable cylinders have raised prominent graduations for easy reading and have excellent contact clarity. The broad base provides good stability.

Material : Polypropylene

Cat. No.	Capacity	Least Count	Pcs/Pack
175.303.01	10 ml	0.2 ml	24
175.303.02	25 ml	0.5 ml	12
175.303.03	50 ml	1 ml	12
175.303.04	100 ml	1 ml	12
175.303.05	250 ml	2 ml	6
175.303.06	500 ml	5 ml	4
175.303.07	1000 ml	10 ml	2
175.303.08	2000 ml	20 ml	2



Measuring Cylinder with hexagonal base class A with conformity batch certificate or individual work certificate as per **DIN EN ISO 4788 & USP Standards**

Cat No. with conformity batch certificate	Cat no. With individual work certificate					
		Cap. ml.	SUB DIVISION	Tolerance (±ml)	Lot PCS/ PACK	Individual PCS/ PACK
139.202.01A	139.223.01A	10ML	0.2	0.10	2	1
139.202.02A	139.223.02A	25ML	0.5	0.25	2	1
139.202.03A	139.223.03A	50ML	1.0	0.50	2	1
139.202.04A	139.223.04A	100ML	1.0	0.50	2	1
139.202.05A	139.223.05A	250ML	2.0	1.00	2	1
139.202.06A	139.223.06A	500ML	5.0	2.50	2	1
139.202.07A	139.223.07A	1000ML	10.0	5.00	1	1
139.202.08A	139.223.08A	2000ML	20.0	10.00	1	1

Measuring Cylinders USP Grade

Cat No. with conformity batch certificate	Cat no. With individual work certificate	New USP Cylinders				
		Cap. ml.	SUB DIVISION	Tolerance (±ml)	Lot PCS/ PACK	Individual PCS/ PACK
139.292.01A	139.221.01A	10ML	0.2	0.10	2	1
139.292.02A	139.221.02A	25ML	0.5	0.15	2	1
139.292.03A	139.221.03A	50ML	1.0	0.25	2	1
139.292.04A	139.221.04A	100ML	1.0	0.50	2	1
139.292.05A	139.221.05A	250ML	2.0	1.00	2	1
139.292.06A	139.221.06A	500ML	5.0	1.50	2	1
139.292.07A	139.221.07A	1000ML	10.0	3.00	1	1
139.292.08A	139.221.08A	2000ML	20.0	6.00	1	1





Measuring Cylinders

Measuring Cylinder as per **DIN EN ISO 4788** with detachable PP base, with protection collar Class B printed in white colour.

Cat No.	Cap. ml.	SUB DIVISION	Tolerance (±ml)	PCS/ PACK
137.202.02	10ML	0.2	0.200	10
137.202.03	25ML	0.5	0.500	10
137.202.04	50ML	1.0	1.000	10
137.202.05	100ML	1.0	1.000	10
137.202.06	250ML	2.0	2.000	10

Measuring
Cylinder



Measuring
Cylinder

NEW

Measuring Cylinder, Low Form, as per **DIN EN ISO 4788**, **Hex Base, Class B**, To Contain (TC), Single Metric, These are printed in amber colour.

Cat No.	Cap. ml.	Sub Division	Tolerance (±ml)	PCS/ PACK
138.429.01A	10ML	1.0	0.200	10
138.429.02A	25ML	1.0	0.500	10
138.429.03A	50ML	2.0	1.000	10
138.429.04A	100ML	2.0	1.000	10
138.429.05A	250ML	5.0	2.000	10
138.429.06A	500 ML	10.0	5.000	10
138.429.07A	1000ML	20.0	10.000	10
138.429.08A	2000 ML	50.0	20.000	10





Measuring
Cylinder

NEW

ASTM

Measuring Cylinder Graduated, Hex Base, Class A, Unserialized, with Double Metric Scale, TC (To Contain)

Cylinders are made to meet **ASTM E 1272** norms and are printed in double scale with white enamel. All the cylinders from 10ml to 2000ml comes with the bumper guard.

Catalogue No.	Capacity	Grad Interval (ml)	Tolerance (\pm ml)	Qty Per Pack
139.453.01A	10ml	0.2 mL	0.1	2
139.453.02A	25ml	0.5 mL	0.17	2
139.453.03A	50ml	1 mL	0.25	2
139.453.04A	100ml	1 mL	0.5	2
139.453.05A	250ml	2 mL	1	2
139.453.06A	500ml	5 mL	2	2
139.453.07A	1000ml	10 mL	3	1
139.453.08A	2000ml	20 mL	6	1

Measuring Cylinder Graduated, Hex Base, Class A, Unserialized, with Double Metric Scale, TD (To Deliver)

Cylinders are made to meet **ASTM E 1272** norms and are printed in double scale with white enamel. All the cylinders from 10ml to 2000ml comes with the bumper guard.

Catalogue No.	Capacity	Grad Interval (ml)	Tolerance (\pm ml)	Qty Per Pack
139.464.01A	10ml	0.2 mL	0.1	2
139.464.02A	25ml	0.5 mL	0.17	2
139.464.03A	50ml	1 mL	0.25	2
139.464.04A	100ml	1 mL	0.5	2
139.464.05A	250ml	2 mL	1	2
139.464.06A	500ml	5 mL	2	2
139.464.07A	1000ml	10 mL	3	1
139.464.08A	2000ml	20 mL	6	1

Measuring
Cylinder

NEW

ASTM



Measuring
Cylinder PP

Measuring Cylinder Hexagonal

are now available with hexagonal base also. The hexagonal base provides excellent stability to the cylinder where as the tapered spout works really while pouring any reagent.

Material : Polypropylene

Cat. No.	Capacity	Least Count	Pcs/Pack
177.303.01	10 ml	0.2 ml	24
177.303.02	25 ml	0.5 ml	12
177.303.03	50 ml	1 ml	12
177.303.04	100ml	1 ml	12
177.303.05	250 ml	2 ml	6
177.303.06	500 ml	5 ml	4
177.303.07	1000 ml	10 ml	2





Measuring Cylinder Graduated Class B, Hex Base, with Double Metric Scale, TC (To Contain),

Cylinders are made to meet **ASTM E 1272** norms and are printed in double scale with white enamel. All the cylinders from 10ml to 2000ml comes with the bumper guard.

Catalogue No.	Capacity	Grad Interval (ml)	Tolerance (± ml)	Qty Per Pack
138.289.01A	10ml	0.2 mL	0.20	2
138.289.02A	25ml	0.5 mL	0.34	2
138.289.03A	50ml	1 mL	0.50	2
138.289.04A	100ml	1 mL	1.00	2
138.289.05A	250ml	2 mL	2.00	2
138.289.06A	500ml	5 mL	4.00	2
138.289.07A	1000ml	10 mL	6.00	1
138.289.08A	2000ml	20 mL	12.00	1



Measuring Cylinder Graduated Class B, Hex Base, with Double Metric Scale, TD (To Deliver),

Cylinders are made to meet **ASTM E 1272** norms and are printed in double scale with white enamel. All the cylinders from 10ml to 2000ml comes with the bumper guard.

Catalogue No.	Capacity	Grad Interval (ml)	Tolerance (± ml)	Qty Per Pack
138.288.01A	10ml	0.2 mL	0.20	2
138.288.02A	25ml	0.5 mL	0.34	2
138.288.03A	50ml	1 mL	0.50	2
138.288.04A	100ml	1 mL	1.00	2
138.288.05A	250ml	2 mL	2.00	2
138.288.06A	500ml	5 mL	4.00	2
138.288.07A	1000ml	10 mL	6.00	1
138.288.08A	2000ml	20 mL	12.00	1

Brush, Cylinder

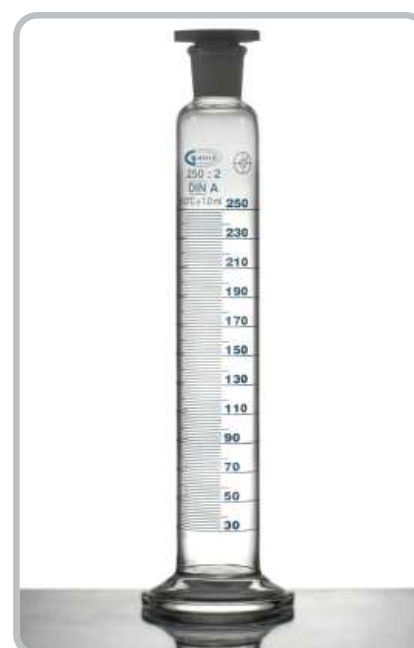
Cat. No.	Type	Material	Pcs/Pack
593.303.05	Cylinder Brush	Nylon	50





Mixing Cylinder Class A with PP stopper as per **DIN EN ISO 4788** standards in round base and hexagonal base with batch conformity certificate.

Cat No. with Round Base	Cat no. with Hexagonal Base	Cap. ml.	SUB DIVISION	Tolerance (±ml)	PCS/ PACK
141.202.02	142.202.01A	10ML	0.2	0.10	2
141.202.03	142.202.02A	25ML	0.5	0.25	2
141.202.04	142.202.03A	50ML	1.0	0.50	2
141.202.05	142.202.04A	100ML	1.0	0.50	2
141.202.06	142.202.05A	250ML	2.0	1.00	2
141.202.07	142.202.06A	500ML	5.0	2.50	2
141.202.08	142.202.07A	1000ML	10.0	5.00	1
141.202.09	142.202.08A	2000ML	20.0	10.00	1



Nessler Cylinder, for colour comparison CLASS A Graduated

Cat No.	Cap. ml.	Sub Divi ml.	Tolerance (±ml)	PCS/ PACK
143.202.01	50ML	25 & 50	0.4	10
143.202.02	100ML	50 & 100	0.8	10





High Performance Micro Volume Pipette

- Fully autoclavable.
- UV resistance.
- "CE"mark awarded.
- Click-stop system for digital volume setting.
- Ergonomic Design ensuring light weight & soft plunger movement.
- Two step plunger operation allows "reverse pipetting technique".
- Calibration as per DIN 12650 & EN-ISO 8655 standards.
- High accuracy and precision guaranteed.
- Individual serial No. permanently marked on each pipette.
- Calibration report enclosed with every pipette.
- Color coded for easy identification

Variable Micropipette

Item Code	Volume Range	Increment	Pcs/Pack	Colour
500.303.01	0.1 - 2.5 µl	0.01 µl	1	Purple
500.303.02	0.5 - 10 µl	0.1 µl	1	Blue
500.303.03	2 - 20 µl	0.1 µl	1	Green
500.303.04	5 - 50 µl	0.5 µl	1	Red
500.303.05	10 - 100 µl	0.5 µl	1	Orange
500.303.06	50 - 200 µl	1.0 µl	1	Yellow
500.303.07	20 - 200 µl	1.0 µl	1	Light Blue
500.303.08	100 - 1000 µl	5.0 µl	1	Dark Blue
500.303.09	200 - 1000 µl	5.0 µl	1	Blue
500.303.10	500 - 5000 µl	50.0 µl	1	Black
500.303.11	1000 - 5000 µl	50.0 µl	1	Black
500.303.12	500 - 10000 µl	100.0 µl	1	Black
500.303.13	1000 - 10000 µl	100.0 µl	1	Black

Fixed Micropipette

Item Code	Volume Range	Pcs/Pack	Colour
501.303.01	2.5 µl	1	Purple
501.303.02	5 µl	1	Orange
501.303.03	10 µl	1	Orange
501.303.04	20 µl	1	Orange
501.303.05	25 µl	1	Orange
501.303.06	50 µl	1	Red
501.303.07	100 µl	1	Yellow
501.303.08	200 µl	1	Yellow
501.303.09	250 µl	1	Blue
501.303.10	500 µl	1	Blue
501.303.11	1000 µl	1	Blue
501.303.12	2000 µl	1	Black
501.303.13	5000 µl	1	Black
501.303.14	10000 µl	1	Black



Tips for Micropipette

(To be used with Glassco Micropipette)

Item Code	Capacity	Pcs/Pack
502.303.01	10 µl	1000
502.303.03	200 µl	1000
502.303.04	1000 µl	1000
502.303.05	5000 µl	100
502.303.06	10000 µl	100





Multichannel
Micropipette

High Performance Micro Volume Pipette

- Fully autoclavable.
- UV resistance.
- "CE" mark awarded.
- Click-stop system for digital volume setting.
- Ergonomic Design ensuring light weight & soft plunger movement.
- Two step plunger operation allows "reverse pipetting technique".
- Calibration as per DIN 12650 & EN-ISO 8655 standards.
- High accuracy and precision guaranteed.
- Individual serial No. permanently marked on each pipette.
- Calibration report enclosed with every pipette.
- Color coded for easy identification.
- Manifold can rotate 360° to allow convenient pipetting angle.
- One hand tip ejection.

Eight Channel Micropipette

Item Code	Volume Range	Increment	Pcs/Pack	Colour
500.303.14	0.5 - 10 µL	0.1 µl	1	Purple
500.303.15	5 - 50 µL	0.5 µl	1	Red
500.303.16	10 - 100 µL	0.5 µl	1	Orange
500.303.17	20 - 200 µL	0.5 µl	1	Yellow
500.303.18	30 - 300 µL	1.0 µl	1	Light Orange

Twelve Channel Micropipette

Item Code	Volume Range	Increment	Pcs/Pack	Colour
500.303.19	0.5 - 10 µL	0.1 µL	1	Purple
500.303.20	5 - 50 µL	0.5 µL	1	Red
500.303.21	10 - 100 µL	0.5 µL	1	Orange
500.303.22	20 - 200 µL	0.5 µL	1	Yellow
500.303.23	30 - 300 µL	1.0 µL	1	Light Orange



Micro Tip Box

moulded in Polypropylene and are therefore autoclavable. The Box itself is clear providing an excellent view of the tips inside while a table like structure is provided inside to hold the tips. The tip holding spaces are uniformly placed to facilitate the use of multi channel pipettes. The cover is joined to the base through ball catcher hinges and provides excellent protection to the tips.

Material : Polypropylene with improved robust hinge design which prevents the top from being easily disengaged from the bottom of box.

Micro
Tip Box



Cat. No.	Capacity	Pcs/Pack
157.303.03	For 96 Micro Tips of 2-10µl	6
157.303.04	For 96 Micro Tips of 2-200µl	6
157.303.05	For 100 Micro Tips of 200-1000µl	6





Bottle Top Dispenser



Bottle Top Dispenser

SPECIALLY DESIGNED VOLUME ADJUSTMENT KNOB
Convenient and easy volume setting with minimal force ensuring no fatigue or strain. A 270 degree turn in the clockwise and anticlockwise direction ensures locking and unlocking respectively.



ISO 9001:2008



DAkkS
Akkreditierung





Bottle Top Dispenser-Research Fully Autoclavable

Glassco Bottle top dispenser is another genius of its strong R & D base. Responding to the needs of the present generation, Glassco is proud to offer its NEW BOTTLE TOP DISPENSER which is an unique combination of competitive pricing and high performance.

All wetted parts are PTFE, FEP and Borosilicate Glass only which allows the instrument to be used with wide variety of laboratory chemicals.

High precision and accuracy is ensured through careful selection of raw material and several stages of strict quality checks during manufacturing process.

Each instrument is individually calibrated in ISO 17025 accredited laboratory in accordance with ISO 8655 standards and comes with Individual Calibration certificate.

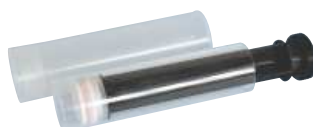
Features :

- Available in seven volume ranges :
 - a. 0.25-2.5 ml
 - b. 0.5-5 ml
 - c. 1-10 ml
 - d. 2.5-30 ml
 - e. 5-60 ml
 - f. 10-100 ml
 - g. 50-400 ml
- Smooth, effortless plunger movement and bubble free dispensing.
- Easy to dis-assemble for cleaning and servicing.
- Instrument is fully autoclavable at 121°C, 15psi. for 10 - 15 mins.



PTFE PISTON :

Specially designed PTFE Piston ensures wiper-like smooth, effortless movement and high accuracy.



GLASS BARREL PROTECTION :

Glass Barrel is protected by a polypropylene sleeve. It also ensures no glass splitting in case of any accidental breakage.



ADAPTORS :

Adaptors to fit most of the laboratory reagent bottles are provided in the following sizes : 28, 30, 32, 36, 40 & 45mm.





Simple, user friendly instrument suitable for all laboratory applications except HF.

Strict quality control at all steps of manufacturing ensures high reliability, accuracy and precision.



SPECIALLY DESIGNED VOLUME ADJUSTMENT KNOB

Convenient and easy volume setting with minimal force ensuring no fatigue or strain. A 270 degree turn in the clockwise and anticlockwise direction ensures locking and unlocking respectively.



ADJUSTABLE DELIVERY NOZZLE :

Adjustable delivery nozzle to facilitate dispensing ease in all demanding laboratory conditions.



NOZZLE CAP :

Nozzle cap prevents any unwanted drop on the work space and avoids contact with hazardous chemicals.



VALVE MANIFOLD FOR LEAK PROOFING:

Specially designed, springless, PTFE valve manifold ensures excellent chemical compatibility and leak proof valve functioning.





CALIBRATION :

Specially designed calibration tool is provided for convenient and quick In-lab user re-calibration. This is in compliance with GLO/ISO Norms.

Removable Cap for Calibration



Calibration Tool



Component Description

Component	Description
Piston	PTFE
Cylinder	Glass
Volume Adjustment Knob	Screw Type
Valve Housing	PTFE
Valve Assembly	Glass Ball & Seat
Discharge Assembly	PTFE
Delivery Tube	FEP
Inlet Tube	FEP
Calibration	Individually calibrated and certified. In-lab easy Calibration by the user is also possible.
Accuracy & Reproducibility	In accordance with ISO 8655 standards.
Compatibility	Excellent compatibility with all reagents except HF

Specifications & Ordering Information

Model No.	Vol. Range	Increment	ISO 8655 Specifications				Glassco Specifications			
			Accuracy ±% ± ml		CV ±% ± ml		Accuracy ±% ± ml		CV ±% ± ml	
500.404.01	0.25-2.5 ml	0.05 ml	0.6	0.015	0.2	0.005	0.6	0.015	0.2	0.005
500.404.02	0.5-5 ml	0.1 ml	0.6	0.030	0.2	0.010	0.5	0.025	0.1	0.005
500.404.03	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020	0.5	0.050	0.1	0.010
500.404.04	2.5-30 ml	0.5 ml	0.6	0.180	0.2	0.060	0.5	0.150	0.1	0.030
500.404.05	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120	0.5	0.300	0.1	0.060
500.404.06	10-100 ml	2.0 ml	0.6	0.600	0.2	0.200	0.5	0.500	0.1	0.100
500.404.07	50-400 ml	5.0 ml	0.6	2.400	0.2	0.800	0.5	2.000	0.1	0.400

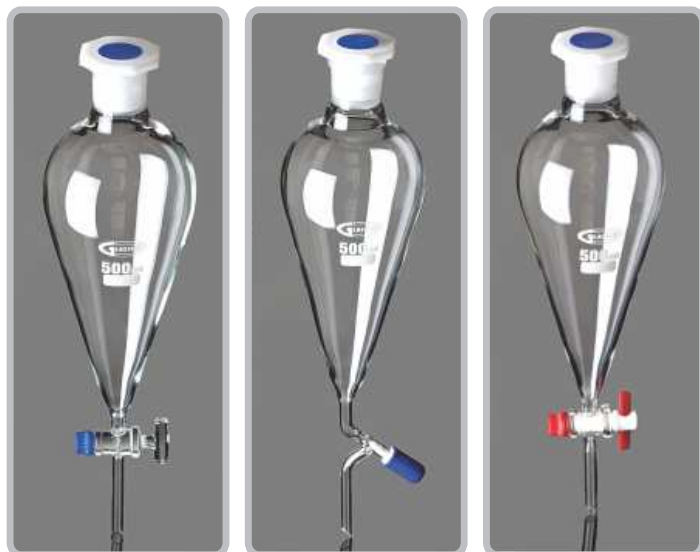




Separating &
Dropping
Funnels



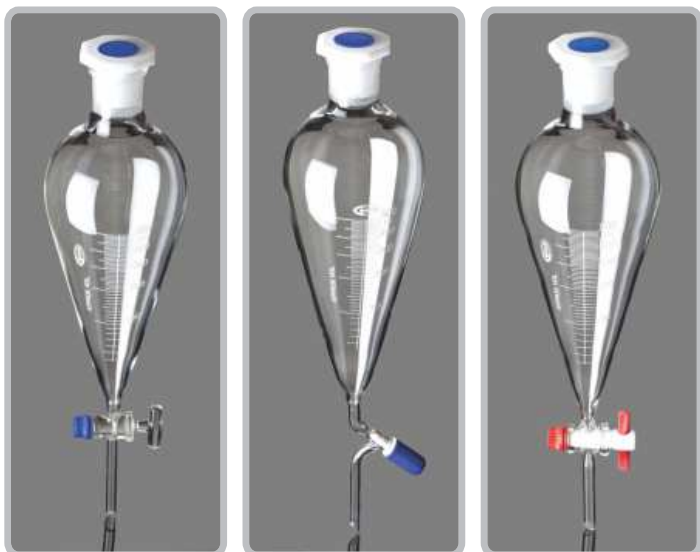
Squibb Separating Funnels



Separating and Dropping Funnel are produced from ASTM E-438 TYPE-1 CLASS A BORO 3.3 heat resistant glass. All these flasks are manufactured as per **DIN ISO 4800** standard. The printing is done in white colour.



Separating Funnel Squibb Shape, with PP Stopper as per ISO 4800 Standards.



Graduated

CAT. NO. PLAIN	CAT NO. WITH GRADUATION	CAPACITY				
			N/S	BORE	STOP COCK TYPE	PCS/PACK
147.202.02	147.209.02	50ML	19/26	2.5	SOLID GLASS	1
147.202.03	147.209.03	100ML	19/26	2.5	SOLID GLASS	1
147.202.04	147.209.04	250ML	29/32	4	SOLID GLASS	1
147.202.05	147.209.05	500ML	29/32	4	SOLID GLASS	1
147.202.06	147.209.06	1000ML	29/32	6	SOLID GLASS	1
147.202.07	147.209.07	2000ML	29/32	6	SOLID GLASS	1
148.202.02	148.209.02	50ML	19/26	2.5	NEEDLE VALVE	1
148.202.03	148.209.03	100ML	19/26	2.5	NEEDLE VALVE	1
148.202.04	148.209.04	250ML	29/32	4	NEEDLE VALVE	1
148.202.05	148.209.05	500ML	29/32	4	NEEDLE VALVE	1
148.202.06	148.209.06	1000ML	29/32	6	NEEDLE VALVE	1
148.202.07	148.209.07	2000ML	29/32	6	NEEDLE VALVE	1
149.202.02	149.209.02	50ML	19/26	2.5	PTFE	1
149.202.03	149.209.03	100ML	19/26	2.5	PTFE	1
149.202.04	149.209.04	250ML	29/32	4	PTFE	1
149.202.05	149.209.05	500ML	29/32	4	PTFE	1
149.202.06	149.209.06	1000ML	29/32	6	PTFE	1
149.202.07	149.209.07	2000ML	29/32	6	PTFE	1

Separating Funnel, with PTFE Key Stopcock

These funnels are manufactured from ASTM E 438 TYPE 1 CLASS A BORO 3.3 glass which meet **ASTM E 1096** specification. The flasks come with PTFE KEY STOPCOCK and PP stopper. The flasks are printed in white colour enamel.

Catalogue No.	Capacity	Stop Cock Size	Stopper No.	Qty Per Pack
149.402.03	125ml	2	22	1
149.402.04	250ml	4	22	1
149.402.05	500ml	4	27	1
149.402.06	1000ml	4	27	1
149.402.07	2000ml	6	38	1





Pear Separating Funnels

Separating Funnel Pear (ISO Shape), with PP Stopper
as per ISO 4800 Standards.

CAT. NO. PLAIN	CAPACITY				
		N/S	BORE	STOP COCK TYPE	PCS/PACK
150.202.02	50ML	19/26	2.5	SOLID GLASS	1
150.202.03	100ML	19/26	2.5	SOLID GLASS	1
150.202.04	250ML	29/32	4	SOLID GLASS	1
150.202.05	500ML	29/32	4	SOLID GLASS	1
150.202.06	1000ML	29/32	6	SOLID GLASS	1
150.202.07	2000ML	29/32	6	SOLID GLASS	1
151.202.02	50ML	19/26	2.5	NEEDLE VALVE	1
151.202.03	100ML	19/26	2.5	NEEDLE VALVE	1
151.202.04	250ML	29/32	4	NEEDLE VALVE	1
151.202.05	500ML	29/32	4	NEEDLE VALVE	1
151.202.06	1000ML	29/32	6	NEEDLE VALVE	1
151.202.07	2000ML	29/32	6	NEEDLE VALVE	1
152.202.02	50ML	19/26	2.5	PTFE	1
152.202.03	100ML	19/26	2.5	PTFE	1
152.202.04	250ML	29/32	4	PTFE	1
152.202.05	500ML	29/32	4	PTFE	1
152.202.06	1000ML	29/32	6	PTFE	1
152.202.07	2000ML	29/32	6	PTFE	1





Graduated Dropping Funnels

Dropping Funnel Cylindrical, with PP Stopper as per ISO 4800 Standards



CAT. NO.	CAPACITY				
		N/S	BORE	STOP COCK TYPE	PCS/PACK
154.203.02	50ML	14/23	2.5	SOLID GLASS	1
154.204.02	50ML	29/32	2.5	SOLID GLASS	1
154.203.03	100ML	14/23	2.5	SOLID GLASS	1
154.204.03	100ML	29/32	2.5	SOLID GLASS	1
154.202.04	250ML	29/32	4	SOLID GLASS	1
154.202.05	500ML	29/32	4	SOLID GLASS	1
154.202.06	1000ML	29/32	6	SOLID GLASS	1
156.203.02	50ML	14/23	2.5	NEEDLE VALVE	1
156.204.02	50ML	29/32	2.5	NEEDLE VALVE	1
156.203.03	100ML	14/23	2.5	NEEDLE VALVE	1
156.204.03	100ML	29/32	2.5	NEEDLE VALVE	1
156.202.04	250ML	29/32	4	NEEDLE VALVE	1
156.202.05	500ML	29/32	4	NEEDLE VALVE	1
156.202.06	1000ML	29/32	6	NEEDLE VALVE	1
158.203.02	50ML	14/23	2.5	PTFE	1
158.204.02	50ML	29/32	2.5	PTFE	1
158.203.03	100ML	14/23	2.5	PTFE	1
158.204.03	100ML	29/32	2.5	PTFE	1
158.202.04	250ML	29/32	4	PTFE	1
158.202.05	500ML	29/32	4	PTFE	1
158.202.06	1000ML	29/32	6	PTFE	1





Gilson Funnels



Separating Funnel Gilson, with PP Stopper

CAT NO.	CAPACITY				
		N/S	BORE SIZE	STOP COCK TYPE	PCS/PACK
159.202.01	50ML	19/26	2.5	SOLID GLASS	1
159.202.02	100ML	19/26	2.5	SOLID GLASS	1
159.202.03	250ML	29/32	4	SOLID GLASS	1
159.202.04	500ML	29/32	4	SOLID GLASS	1
159.202.05	1000ML	29/32	6	SOLID GLASS	1
159.202.06	2000ML	29/32	6	SOLID GLASS	1
160.202.01	50ML	19/26	2.5	PTFE	1
160.202.02	100ML	19/26	2.5	PTFE	1
160.202.03	250ML	29/32	4	PTFE	1
160.202.04	500ML	29/32	4	PTFE	1
160.202.05	1000ML	29/32	6	PTFE	1
160.202.06	2000ML	29/32	6	PTFE	1



Separatory Funnel Holder

non-corrosive Separatory Funnel Holder, moulded in Polypropylene, has a front opening which provides clear view of the solution and allows unobstructed placement of separating funnels. Two tapped wedges are provided to ensure firm grip on rods having dia 1/2" or 3/5".

Material : Polypropylene

Cat No.	Capacity	Pcs/Pack
114.303.01	Separator Funnel Holder	12

Separatory Funnel

is made of Polypropylene, giving it excellent contact clarity and strength. This pear shaped, autoclavable separating funnel has a leakproof threaded screw cap. The Polypropylene stopcock, fitted with a self lubricating PTFE plug, is push fitted to the stem of the separatory funnel.

Material : Polypropylene

Cat No.	Capacity	Pcs/Pack
181.303.01	100 ml	2
181.303.02	250 ml	2
181.303.03	500 ml	2





Separating Funnel Pear shape, with PP Stopper with socket & cone

CAT NO.	CAPACITY				
		Socket & Cone N/S	BORE SIZE	STOP COCK TYPE	PCS/ PACK
162.202.03	50ML	19/26	2.5	SOLID GLASS	1
162.202.05	100ML	19/26	2.5	SOLID GLASS	1
162.204.06	250ML	29/32	4	SOLID GLASS	1
162.204.08	500ML	29/32	4	SOLID GLASS	1
162.204.11	1000ML	29/32	6	SOLID GLASS	1
163.202.03	50ML	19/26	2.5	NEEDLE VALVE	1
163.202.05	100ML	19/26	2.5	NEEDLE VALVE	1
163.204.06	250ML	29/32	4	NEEDLE VALVE	1
163.204.08	500ML	29/32	4	NEEDLE VALVE	1
163.204.11	1000ML	29/32	6	NEEDLE VALVE	1
164.202.03	50ML	19/26	2.5	PTFE	1
164.202.05	100ML	19/26	2.5	PTFE	1
164.204.06	250ML	29/32	4	PTFE	1
164.204.08	500ML	29/32	4	PTFE	1
164.204.11	1000ML	29/32	6	PTFE	1





Pear Separating Funnels

Separating Funnel Pear Shape with stem inside cone

CAT NO.	CAPACITY				
		Socket & Cone N/S	BORE SIZE	STOP COCK TYPE	PCS/PACK
162.210.03	50ML	19/26	2.5	SOLID GLASS	1
162.210.05	100ML	19/26	2.5	SOLID GLASS	1
162.210.06	250ML	29/32	4	SOLID GLASS	1
162.210.08	500ML	29/32	4	SOLID GLASS	1
162.210.10	1000ML	29/32	6	SOLID GLASS	1
164.210.03	50ML	19/26	2.5	PTFE	1
164.210.05	100ML	19/26	2.5	PTFE	1
164.210.06	250ML	29/32	4	PTFE	1
164.210.08	500ML	29/32	4	PTFE	1
164.210.10	1000ML	29/32	6	PTFE	1





Dropping Funnels

Separating Funnel, Cylindrical, with PP Stopper, with Socket and Cone. DIN 4800



CAT NO.	CAPACITY				
		Socket & Cone N/S	BORE SIZE	STOP COCK TYPE	PCS/PACK
165.202.02	50ML	14/23	2.5	SOLID GLASS	1
165.202.02A	50ML	29/32	2.5	SOLID GLASS	1
165.202.03	100ML	14/23	2.5	SOLID GLASS	1
165.202.03A	100ML	29/32	2.5	SOLID GLASS	1
165.202.05A	250ML	29/32	4	SOLID GLASS	1
165.202.06A	500ML	29/32	4	SOLID GLASS	1
165.202.07A	1000ML	29/32	6	SOLID GLASS	1
166.202.02	50ML	14/23	2.5	NEEDLE VALVE	1
166.202.02A	50ML	29/32	2.5	NEEDLE VALVE	1
166.202.03	100ML	14/23	2.5	NEEDLE VALVE	1
166.202.03A	100ML	29/32	2.5	NEEDLE VALVE	1
166.202.05A	250ML	29/32	4	NEEDLE VALVE	1
166.202.06A	500ML	29/32	4	NEEDLE VALVE	1
166.202.07A	1000ML	29/32	6	NEEDLE VALVE	1
167.202.02	50ML	14/23	2.5	PTFE	1
167.202.02A	50ML	29/32	2.5	PTFE	1
167.202.03	100ML	14/23	2.5	PTFE	1
167.202.03A	100ML	29/32	2.5	PTFE	1
167.202.05A	250ML	29/32	4	PTFE	1
167.202.06A	500ML	29/32	4	PTFE	1
167.202.07A	1000ML	29/32	6	PTFE	1





Dropping Funnels

Dropping
Funnel
Cylindrical

Dropping Funnel, Cylindrical with stem inside cone. DIN 4800

CAT NO.	CAPACITY				
		Socket & Cone N/S	BORE SIZE	STOP COCK TYPE	PCS/PACK
165.210.02	50ML	14/23	2.5	SOLID GLASS	1
165.210.02A	50ML	29/32	2.5	SOLID GLASS	1
165.210.03	100ML	14/23	2.5	SOLID GLASS	1
165.210.03A	100ML	29/32	2.5	SOLID GLASS	1
165.210.05	250ML	29/32	4	SOLID GLASS	1
165.210.06	500ML	29/32	4	SOLID GLASS	1
165.210.07	1000ML	29/32	6	SOLID GLASS	1
167.210.02	50ML	14/23	2.5	PTFE	1
167.210.02A	50ML	29/32	2.5	PTFE	1
167.210.03	100ML	14/23	2.5	PTFE	1
167.210.03A	100ML	29/32	2.5	PTFE	1
167.210.05	250ML	29/32	4	PTFE	1
167.210.06	500ML	29/32	4	PTFE	1
167.210.07	1000ML	29/32	6	PTFE	1



Pressure
Equalizing
Funnel

Pressure Equalizing Funnels

CAT NO.	CAPACITY				
		SOCKET AND CONE N/S	BORE SIZE	STOP COCK TYPE	PCS/PACK
168.202.01	50ML	14/23	2.5	SOLID GLASS	1
168.202.01A	50ML	29/32	2.5	SOLID GLASS	1
168.202.02A	100ML	14/23	2.5	SOLID GLASS	1
168.202.03A	100ML	29/32	2.5	SOLID GLASS	1
168.202.04A	250ML	29/32	4	SOLID GLASS	1
168.202.05A	500ML	29/32	4	SOLID GLASS	1
169.202.01	50ML	14/23	2.5	PTEF	1
169.202.01A	50ML	29/32	2.5	PTEF	1
169.202.02A	100ML	14/23	2.5	PTEF	1
169.202.03A	100ML	29/32	2.5	PTEF	1
169.202.04A	250ML	29/32	4	PTEF	1
169.202.05A	500ML	29/32	4	PTEF	1





Pressure Equalizing Funnels

Pressure Equalizing Funnels, Pear Shape

CAT NO.	CAPACITY				
		SOCKET AND CONE N/S	BORE SIZE	STOP COCK TYPE	PCS/PACK
170.202.01	50ML	14/23	2.5	SOLID GLASS	1
170.202.02A	100ML	14/23	2.5	SOLID GLASS	1
170.202.04A	250ML	29/32	4	SOLID GLASS	1
170.202.05A	500ML	29/32	4	SOLID GLASS	1
171.202.01	50ML	14/23	2.5	PTFE	1
171.202.02A	100ML	14/23	2.5	PTFE	1
171.202.04A	250ML	29/32	4	PTFE	1
171.202.05A	500ML	29/32	4	PTFE	1





Condensers
& Assemblies



Air Condensers



Air Condensers, Manufactured from **ASTM E 438** type **1 Class A boro 3.3 Glass**. These are used for the condensation of material with boiling point above 150c.



CAT NO.	Socket			
		Cone	Effective Length (mm.)	Pcs/ Pack
181.202.01	14/23	14/23	200	1
181.202.02	19/26	19/26	200	1
181.202.03	24/29	24/29	250	1
181.202.04	19/26	19/26	400	1
181.202.05	24/29	24/29	500	1
181.202.06	34/35	34/35	500	1
181.202.07	19/26	19/26	600	1
181.202.08	24/29	24/29	750	1
181.202.09	-	19/26	750	1
181.202.10	-	24/29	750	1
181.202.11	-	19/26	1000	1
181.202.12	-	24/29	1000	1

PS : All Condensers can be ordered with ASTM Joint Sizes on request.



Liebig Condenser

Manufactured from ASTM E428 type 1 Class A Boro 3.3 Glass. These condenser comes with Glass & Plastic screw thread connector & is highly efficient with large cooling surface, DIN 12576. This Condenser is suitable for Distillation & Reflux applications.

CAT NO .	SOCKET	EFFECTIVE LENGTH (mm)			
			CONE	CONNECTOR	Pcs/ Pack
182.181.01	14/23	160	14/23	SCREW THREAD	1
182.181.01A	19/26	160	19/26	SCREW THREAD	1
182.181.02	19/26	250	19/26	SCREW THREAD	1
182.181.03	24/29	250	24/29	SCREW THREAD	1
182.181.3A	29/32	250	29/32	SCREW THREAD	1
182.181.04 *	19/26	300	19/26	SCREW THREAD	1
182.181.05 *	24/29	300	24/29	SCREW THREAD	1
182.181.06 *	29/32	300	29/32	SCREW THREAD	1
182.181.10	24/29	400	24/29	SCREW THREAD	1
182.181.11	29/32	400	29/32	SCREW THREAD	1
182.202.01	14/23	160	14/23	GLASS	1
182.202.01A	19/26	160	19/26	GLASS	1
182.202.02	19/26	250	19/26	GLASS	1
182.202.03	24/29	250	24/29	GLASS	1
182.202.03A	29/32	250	29/32	GLASS	1
182.202.04 *	19/26	300	19/26	GLASS	1
182.202.05 *	24/29	300	24/29	GLASS	1
182.202.06 *	29/32	300	29/32	GLASS	1
182.202.10	24/29	400	24/29	GLASS	1
182.202.11	29/32	400	29/32	GLASS	1

* Non DIN



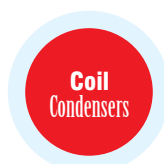
PS : For All types of Condensers Clamps look at page 115



Coil Condenser

Manufactured from ASTM E 438 type 1 Class A boro 3.3 Glass. These condenser comes with glass connectors and with plastic screw thread connector and is highly efficient with a large cooling surface. This Condenser is suitable for Distillation & Reflux applications.

CAT NO .	SOCKET	EFFECTIVE LENGTH (mm)			
			CONE	CONNECTOR	Pcs/ Pack
183.181.01	14/23	160	14/23	SCREW THREAD	1
183.181.01A	19/26	160	19/26	SCREW THREAD	1
183.181.02A	14/23	250	14/23	SCREW THREAD	1
183.181.03	19/26	250	19/26	SCREW THREAD	1
183.181.04	24/29	250	24/29	SCREW THREAD	1
183.181.04A	29/32	250	29/32	SCREW THREAD	1
183.181.05	24/29	300	24/29	SCREW THREAD	1
183.181.06	29/32	300	29/32	SCREW THREAD	1
183.181.07	29/32	400	29/32	SCREW THREAD	1
183.202.01	14/23	160	14/23	GLASS	1
183.202.01A	19/26	160	19/26	GLASS	1
183.202.02A	14/23	250	14/23	GLASS	1
183.202.03	19/26	250	19/26	GLASS	1
183.202.04	24/29	250	24/29	GLASS	1
183.202.04A	29/32	250	29/32	GLASS	1
183.202.05	24/29	300	24/29	GLASS	1
183.202.06	29/32	300	29/32	GLASS	1
183.202.07	29/32	400	29/32	GLASS	1



Allihin Condenser

Manufactured from ASTM E 438 type 1 Class A boro 3.3 Glass in compliance with DIN 12581.

These condensers are ideal for reflux and comes with glass and plastic screw thread connector.

This Condenser having inner bulb section provides increased cooling surface and is ideal for Reflux Applications.

CAT NO .	SOCKET	EFFECTIVE LENGTH (mm)			
			CONE	CONNECTOR	Pcs/ Pack
190.181.05	14/23	160	14/23	SCREW THREAD	1
190.181.06	19/26	160	19/26	SCREW THREAD	1
190.181.07	14/23	250	14/23	SCREW THREAD	1
190.181.08	19/26	250	19/26	SCREW THREAD	1
190.181.09	24/29	250	24/29	SCREW THREAD	1
190.181.09A	29/32	250	29/32	SCREW THREAD	1
190.181.10*	24/29	300	24/29	SCREW THREAD	1
190.181.11*	29/32	300	29/32	SCREW THREAD	1
190.181.12*	24/29	400	24/29	SCREW THREAD	1
190.181.13*	29/32	400	29/32	SCREW THREAD	1
190.202.05	14/23	160	14/23	GLASS	1
190.202.06	19/26	160	19/26	GLASS	1
190.202.07	14/23	250	14/23	GLASS	1
190.202.08	19/26	250	19/26	GLASS	1
190.202.09	24/29	250	24/29	GLASS	1
190.202.09A	29/32	250	29/32	GLASS	1
190.202.10*	24/29	300	24/29	GLASS	1
190.202.11*	29/32	300	29/32	GLASS	1
190.202.12*	24/29	400	24/29	GLASS	1
190.202.13*	29/32	400	29/32	GLASS	1

* Non DIN





Dimroth Condenser

Manufactured from ASTM E 438 type 1 Class A boro 3.3 Glass in compliance with DIN 12591. The condenser comes with glass and plastic screw thread connector

CAT NO .	SOCKET	APPROX EFFECTIVE LENGTH (mm)			
			CONE	CONNECTOR	Pcs/ Pack
190.181.01A	14/23	160	14/23	SCREW THREAD	1
190.181.02A	19/26	160	19/26	SCREW THREAD	1
190.181.03A	19/26	250	19/26	SCREW THREAD	1
190.181.04A	24/29	250	24/29	SCREW THREAD	1
190.181.05A	29/32	250	29/32	SCREW THREAD	1
190.181.06A*	24/29	300	24/29	SCREW THREAD	1
190.181.07A*	29/32	300	29/32	SCREW THREAD	1
190.181.08A	29/32	400	29/32	SCREW THREAD	1
190.204.01	14/23	160	14/23	GLASS	1
190.204.02	19/26	160	19/26	GLASS	1
190.204.03	19/26	250	19/26	GLASS	1
190.204.04	24/29	250	24/29	GLASS	1
190.204.05	29/32	250	29/32	GLASS	1
190.204.06*	24/29	300	24/29	GLASS	1
190.204.07*	29/32	300	29/32	GLASS	1
190.204.08	29/32	400	29/32	GLASS	1

* Non DIN

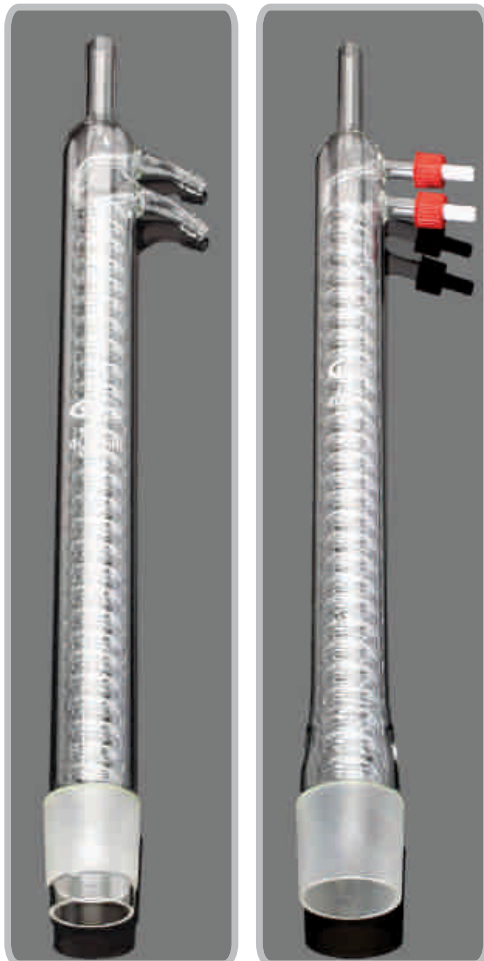




Condensers for Soxhlet Apparatus

Manufactured from ASTM E 438 type 1 Class a boro 3.3 Glass.
This condenser come with glass and plastic screw thread connector.

CAT NO .	CONE	EFFECTIVE LENGTH (mm)			
			EXTRACTOR ML	CONNECTOR	Pc/Pac
191.181.01	45/40	300	100	SCREW THREAD	1
191.181.01A	45/40	400	250	SCREW THREAD	1
191.181.02	60/46	400	500	SCREW THREAD	1
191.181.03	71/55	400	1000	SCREW THREAD	1
191.202.01	45/40	300	100	Glass	1
191.202.01A	45/40	400	250	Glass	1
191.202.02	60/46	400	500	Glass	1
191.202.03	71/55	400	1000	Glass	1



Manufactured from ASTM E 438 type 1 Class a boro 3.3 Glass. This condenser come with glass and plastic screw thread connector.

CAT NO .	CONE	EFFECTIVE LENGTH (mm)			
			EXTRACTOR ML	CONNECTOR	Pcs/Pack
192.181.01	45/40	300	100	SCREW THREAD	1
192.181.01A	45/40	400	250	SCREW THREAD	1
192.181.02	60/46	400	500	SCREW THREAD	1
192.181.03	71/55	400	1000	SCREW THREAD	1
192.202.01	45/40	300	100	Glass	1
192.202.01A	45/40	400	250	Glass	1
192.202.02	60/46	400	500	Glass	1
192.202.03	71/55	400	1000	Glass	1





Extraction Apparatus



**Soxhlet
Extraction
Apparatus**

Consists of Flask, Extractor and condenser.

Cat No .	Extractor cap.(ml)	Extractor Scket	Extractor Cone	Flask Cap	condenser Type	Connector	Pcs/ Pack
210.202.04	100	45/40	29/32	250	ALLIHIN	SCREW THREAD	1
210.202.06	250	45/40	29/32	500	ALLIHIN	SCREW THREAD	1
210.202.08	500	60/46	29/32	1000	ALLIHIN	SCREW THREAD	1
210.202.09	1000	71/55	29/32	2000	ALLIHIN	SCREW THREAD	1
210.202.12	100	45/40	29/32	250	DIMROTH	SCREW THREAD	1
210.202.13	150	45/40	29/32	250	DIMROTH	SCREW THREAD	1
210.202.14	250	45/40	29/32	500	DIMROTH	SCREW THREAD	1
210.202.15	500	60/46	29/32	1000	DIMROTH	SCREW THREAD	1
210.202.16	1000	71/55	29/32	2000	DIMROTH	SCREW THREAD	1

DIN 12602

**Soxhlet
Extractor**



Cat. No.	Capacity (ml)	Socket	Cone	Pcs/ Pack
211.202.04	100	45/40	29/32	1
211.202.06	250	45/40	29/32	1
211.202.08	500	60/46	29/32	1
211.202.09	1000	71/55	29/32	1

PS : Soxhlet Extraction Apparatus can also be offered with ASTM Joint sizes on request.



Utility Sets

This set is ideal for introducing student to the principal techniques of preparative organic chemistry. Although the set is very simple a surprising number of preparations on the 30 g scale can be carried out.

Cat. No.	Description
202.202.01	Complete set comprising 5 items of Glassware.

Item No.	Componets	29 BU/M
1	Pear shaped flask 50ml	1
2	Still head	1
3	Liebig condenser	1
4	Screw cap adapter	1
5	Receiver adapter	1



A highly popular set in schools, collages and universities. It has been purposely designed to cover the essential requirements for the teaching of organic chemistry and is suitable for preparations up to 30g. This is a set which is difficult to beat for versatility.

Cat. No.	Description
203.202.01	Complete set comprising 9 items of Glassware.

Item No.	Componets	27 BU/M
1	Pear shaped flask 50ml	1
2	Still head	1
3	Liebig condenser	1
4	Screw cap adapter	1
5	Receiver adapter	1
6	Air leak/steam inlet tube	1
7	Dropping funnel, 50 ml with GP Rotaflo tap	1
8	Stopper	1
9	Thermometer	1





Utility Sets



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For student use in preparation organic chemistry up to the 1501 g scale, this includes all the necessary equipment to allow a wide range of preparation to be carried out. IT is also invaluable for industrial laboratories where the amount of preparative work is not great and may occur at infrequent intervals. For such applications, this set has the advantage of covering an extensive field of work and occupying little space when not in use.

Cat. No.	Description
207.202.01	Complete set comprising 16 items of Glassware.

Item No.	Componets	Socket size	Cone size
1	Still head	14/23	19/26
2	Receiver	19/26	24/29
3	Air leak/steam inlet tube	-	19/26
4	Liebig condenser	19/26	19/26
5	Dropping funnel, 100 ml	19/26	19/26
6	Reducing adapter	19/26	24/29
7	Multiple adapter	19/26	24/29
8	Flask, R.B., 50 ml	24/29	-
9	Flask, Erlenmeyer, 250 ml	24/29	-
10	Flask, R.B., 250 ml	24/29	-
11	Stopper	-	19/26
12	Stopper	-	19/26
13	Thermometer Pocket	-	14/23
14	Receiver adapter	19/26	-
15	Flask, R.B., 100ml	24/29	-
16	Stopper	-	24/29

34 GU
Organic
Chemistry
Set

