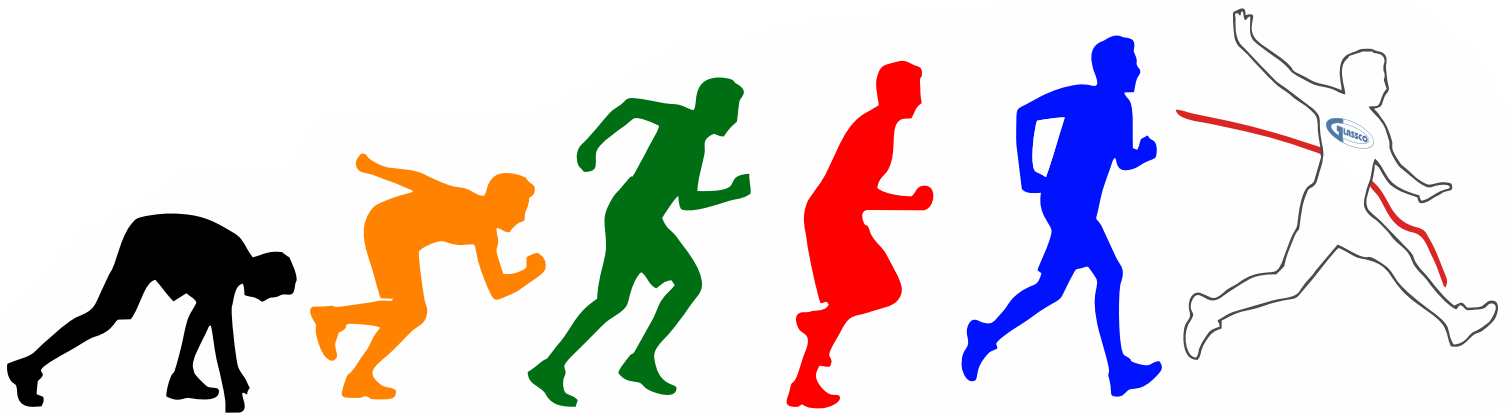




FAST MOVING

Laboratory Products



Quality



Value



Convenience

Catalogue



Glassco is one of the leading brands in the lab glassware and equipment business world wide and have a presence in more than 75 countries. The company has a history of more than 45 years in manufacturing a big range of glassware and instruments .

We specializes in the field of VOLUMETRIC , JOINTED and FILTRATION glassware manufactured from ASTM E -438 TYPE-1 CLASS A (BORO 3.3) . All the products are consistently made with accuracies and sizes as per DIN EN ISO , ASTM AND USP standards. Our calibration laboratory which calibrates volumetric glassware has been accredited with ISO 17025: 2005 other than that we are also an ISO 9001 AND 18001 certificates . **We are proud to say that we are the first company in the world to have put the QR code on the glass which helps you in scanning all the information of the product. We have brought a new innovation to our volumetric flask range in which we are offering QR CODED labelled products from which you can download all the certificates for more information please look on page 2**

We are pleased to introduce our MINI CATALOGUE of lab essentials . The catalogue is carefully designed taking into consideration some of the fast moving products that are lab essentials and have a regular demand . You can also download the complete range of GLASSCO products from our big catalogue that is available on our website www.glasscolabs.com.



General Glassware

1 - 4

Bottles

5



Tubes

6

Separating / Dropping Funnels

7



Filtration Glassware

8 - 9

Volumetric Glassware

10 - 17



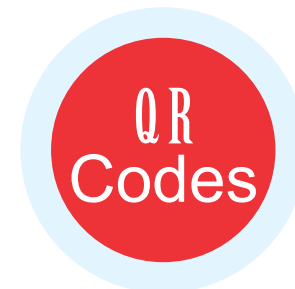
Liquid Handling

18 - 19

Instruments


20 - 24



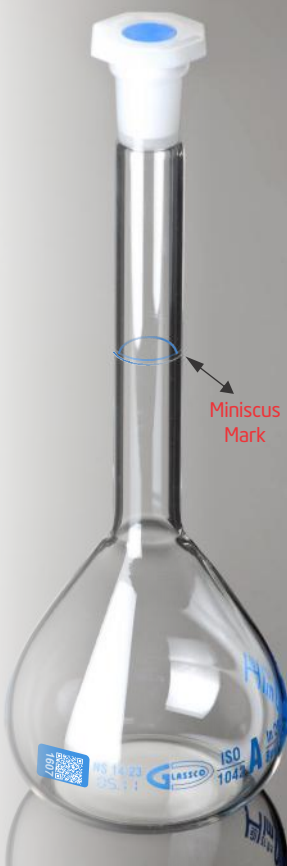


QR PRINTED VOLUMETRIC FLASKS

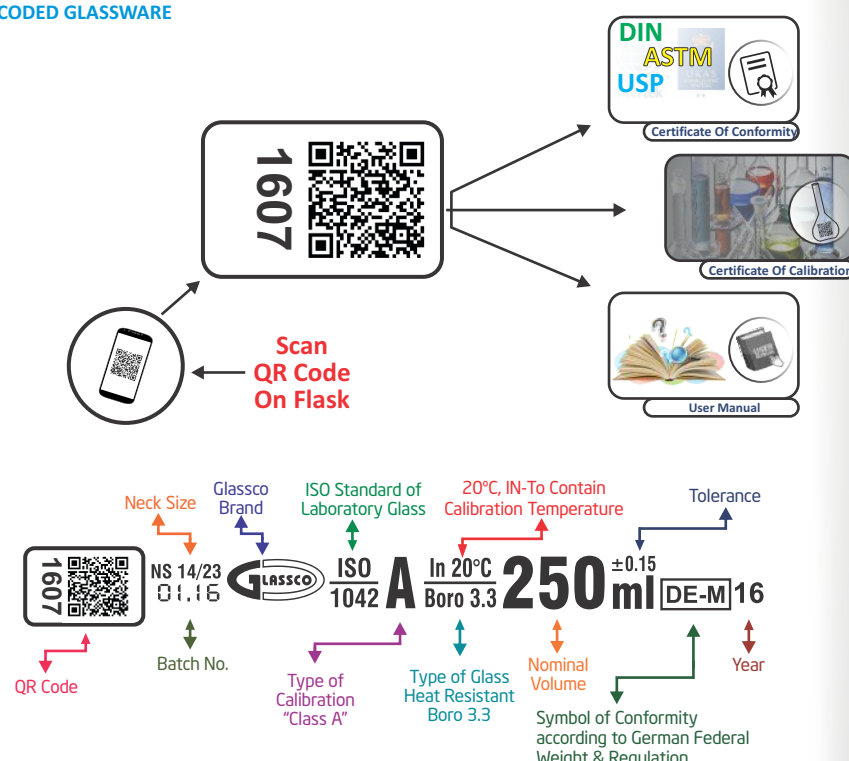
Glassco has recently launched its QR coded volumetric flasks both in ASTM , ISO and ASTM standards. This is available in individual certified volumetric flasks and batch certified volumetric flasks . All the volumetric flasks are made from ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS which is chemically inert and thermal shock resistant. All Volumetric wares are calibrated exceeding the demands of applicable standards . As all the manufacturers worldwide normally include the batch / individual certificate in the pack and many a times it is lost while using the glassware, the only option left to you is to either contact the manufacture or to make a grinding effort to go on the manufacturers website locate the applicable link and download the certificate . To make it most convenient for you, now with the GLASSCO QR coded volumetric flasks all you have to do is to scan the QR CODE from your mobiles with QR code scanner (NeoReader) and it will not only give you certificate of calibration (individual /batch) but will also give you information of certificate of compliance and the products user manual.



**"iGlass
Intelligent & Instant At Your Finger Tips"**



Miniscus Mark



Scan QR Code On Flask

1607
 NS 14/23 01.16
 ISO 1042 A In 20°C Boro 3.3 **250** ml ±0.15 DE-M 16
 Symbol of Conformity according to German Federal Weight & Regulation





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

FROM HERE YOU GET

Certificate of conformity

User manual

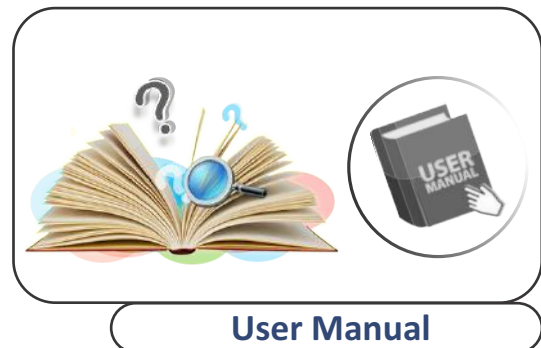


Certificate of conformity

CERTIFICATE OF CONFORMITY			
Issuer's Name / Producer	GLASSCO LABORATORY EQUIPMENTS PVT. LTD.		
Issuer's Address / Producer	Mangal, P. O. Khudde Kolan, Ambala Cantt-133001 Haryana, India		
Object Of Declaration	Erlenmeyer Flask, Narrow Neck		
Material	Borosilicate Glass		
Purpose Of Use	Allow the contents of the Flask to be mixed by swirling, without risk of spillage, making them suitable for laboratory use.		
Specification of flasks specified in Table 1, DIN ISO 1773 - 1999-05			
Catalogue No.	Product Description	Capacity mL	Flask Qty
231-202-01	Erlenmeyer Flask, Narrow Neck With Graduation	25	10
231-202-02	Erlenmeyer Flask, Narrow Neck With Graduation	50	10
231-202-03	Erlenmeyer Flask, Narrow Neck With Graduation	100	10
231-202-04	Erlenmeyer Flask, Narrow Neck With Graduation	250	10
231-202-05	Erlenmeyer Flask, Narrow Neck With Graduation	500	10
231-202-06	Erlenmeyer Flask, Narrow Neck With Graduation	1000	10
231-202-07	Erlenmeyer Flask, Narrow Neck With Graduation	2000	5
231-202-08	Erlenmeyer Flask, Narrow Neck With Graduation	5000	1
231-202-09	Erlenmeyer Flask, Narrow Neck With Graduation	5000	1
The object of declaration described above is in conformity with the requirements of the following documents:			
	<ul style="list-style-type: none"> DIN ISO 3685 Borosilicate Glass 3.3 DIN ISO 1773 Laboratory Glassware-Erlenmeyer Flask Narrow Neck * Indicates non DIN & non ASTM standards. 		
Material	The above are made from DIN ISO 3685:1998 heat resistant Boro 3.3 glass that meet ASTM E-438, TYPE-1 CLASS A standard.		
Compliance	These flasks comply in every respect characteristics, measures and accuracy are in full conformity with the provisions of the standard, DIN ISO 1773:1995.		
Additional Information:			
Glassco has installed the quality control system as per ISO 9001 and products delivered to the market are in full conformity with the technical Specification as per standard and with all fundamental requirements to such products.			
Certificate No. IPK 0039 69-01 issued by Intertek certification limited, A UKAS Management System Accredited Body			
<small>**This document has been produced electronically and is valid without signature.</small>			

Glassco Recommends..

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



User Manual





Beakers

Manufactured from ASTM E 438 TYPE 1 GLASS A BORO 3.3 GLASS. These beakers comply to ISO 3819, DIN 12331 ASTM E - 960 and USP standards. These beakers come with white graduation and marking area for use with an ordinary pencil. The beakers has a uniform wall thickness which make it ideal for heating application. These Beakers have excellent thermal performance and are highly resistant to chemical attack.

These beakers can be provided in White & Blue color printing. For ordering just use the same catalogue number and just mention the colour you need.



**Beaker, Low form with graduation and spout
DIN 12331, ISO 3819**

Cat No.	Capacity ml	D. (mm)	H. (mm)	Pcs/ Pack
229.202.02	10	26	35	10
229.202.03	25	34	50	10
229.202.04	50	42	60	10
229.202.05	100	50	70	10
229.202.06	150	60	80	10
229.202.07	250	70	95	10
229.202.08	400	80	110	10
229.202.09	600	90	125	8
229.202.10	1000	105	145	6
229.202.11	2000	132	185	4
229.202.13	3000	152	210	1
229.202.14	5000	170	270	1
229.202.15	10000	220	350	1

**Beaker, Tall form with graduation and spout
DIN 12331, ISO 3819**

Cat No.	Capacity ml	D. (mm)	H. (mm)	Pcs/ Pack
230.202.02	50	38	70	10
230.202.03	100	48	80	10
230.202.04	150	54	95	10
230.202.05	250	60	120	10
230.202.06	400	70	130	10
230.202.07	600	80	150	6



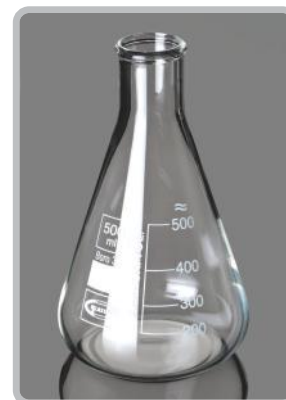


Erlenmeyer Flasks

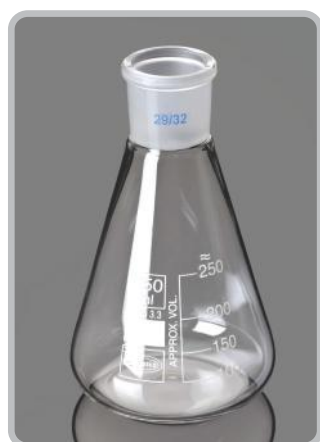
Manufactured from ASTM E 438 TYPE A BORO 3.3 GLASS. These flasks comply to **DIN ISO 1773 and USP standards**. All these flasks come with thick reinforced rim and are manufactured from thick glass. These flasks come with white graduation and marking area for use with ordinary pencil. These flasks can be provided in White & Blue color printing. For ordering just the same catalogue number and just mention the colour you need.

Erlenmeyer Flasks, Narrow Neck
with graduation **DIN ISO 1773** with
Reinforced thick Rim to reduce chipping & breakage.

Cat No.	Capacity ml	D. (mm)	D1. (mm)	H. (mm)	Pcs/Pack
231.202.01	25	42	22	75	10
231.202.02	50	51	22	90	10
231.202.03	100	64	22	105	10
231.202.04	250	85	34	145	10
231.202.05	500	105	34	180	10
231.202.06	1000	131	42	220	10
231.202.07	2000	166	50	280	6
231.202.08	3000	187	50	310	1
231.202.09	5000	220	50	365	1



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



Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Approx. overall diameter mm.	Pcs/Pack
071.202.06 *	25	14 / 23	70	42	10
071.202.07 *	25	19 / 26	70	42	10
071.202.08 *	50	14 / 23	85	51	10
071.202.09	50	19 / 26	85	51	10
071.202.10 *	50	24 / 29	85	64	10
071.202.10A	50	29 / 32	85	64	10
071.202.11 *	100	14 / 23	100	64	10
071.202.12	100	19 / 26	100	64	10
071.202.13 *	100	24 / 29	100	64	10
071.202.14	100	29 / 32	100	64	10
071.202.19	250	24 / 29	140	85	10
071.202.20	250	29 / 32	140	85	10
071.202.22A*	500	24 / 29	175	105	10
071.202.23	500	29 / 32	175	105	10
071.202.25 *	1000	24 / 29	220	131	10
071.202.26	1000	29 / 32	220	131	10
071.202.28	2000	29 / 32	270	166	6

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

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





Round Bottom Flasks

Round Bottom and Flat Bottom Flasks

Manufactured from ASTM E 438 TYPE 1 CLASS A BORD 3.3 These flasks comply to **DIN ISO 1773 and USP standards**. All these flasks come with thick reinforced rim and are manufactured from thick glass. These flasks come with white printing and marking area for use with ordinary pencil.



Flask Round Bottom narrow neck, with beaded rim DIN 12347, DIN ISO 1773

Cat No.	Capacity ml	D. (mm)	D1. (mm)	H. (mm)	Pcs/Pack
233.202.01	50	51	26	95	10
233.202.02	100	64	26	110	10
233.202.03	250	85	34	143	10
233.202.04	500	105	34	168	10
233.202.05	1000	131	42	200	10
233.202.06	2000	166	50	240	6
233.202.07*	3000	185	50	260	1
233.202.08*	5000	223	50	305	1
233.202.09	10000	279	65	380	1

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

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

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



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

Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Dia mm	Pcs/Pack
057.202.05	25	14 / 23	85	41	10
057.202.06 *	25	19 / 26	85	41	10
057.202.07 *	25	24 / 29	85	41	10
057.202.08	50	14 / 23	90	51	10
057.202.09	50	19 / 26	90	51	10
057.202.10	50	24 / 29	90	51	10
057.202.10A	50	29 / 32	90	51	10
057.202.11	100	14 / 23	105	64	10
057.202.12	100	19 / 26	105	64	10
057.202.13	100	24 / 29	105	64	10
057.202.14	100	29 / 32	105	64	10
057.202.22	250	24 / 29	140	85	10
057.202.23	250	29 / 32	140	85	10
057.202.26	500	24 / 29	163	105	10
057.202.27	500	29 / 32	163	105	10
057.202.30	1000	24 / 29	200	131	10
057.202.31	1000	29 / 32	200	131	10
057.202.33	2000	24 / 29	240	165	6
057.202.34	2000	29 / 32	240	165	6

* Non DIN





Flat Bottom Flasks

**Flask Flat Bottom, narrow neck, with beaded rim
DIN ISO 1773**

Cat No.	Capacity ml	D. (mm)	D1. (mm)	H. (mm)	Pcs/ Pack
235.202.01	50	51	26	90	10
235.202.02	100	64	26	105	10
235.202.03	250	85	34	138	10
235.202.04	500	105	34	163	10
235.202.05	1000	131	42	190	10
235.202.06	2000	166	50	230	6
235.202.07*	3000	185	50	250	1
235.202.08*	5000	223	50	290	1
235.202.09	10000	279	65	360	1

* Non DIN



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

Item Code	Nominal capacity ml	Socket Size	Approx. overall height mm.	Dia mm	Pcs/ Pack
058.202.01	50	19 / 26	85	51	10
058.202.02	50	24 / 29	85	51	10
058.202.02A	50	29 / 32	85	51	10
058.202.03	100	19 / 26	103	64	10
058.202.04	100	24 / 29	103	50	10
058.202.05	100	29 / 32	103	64	10
058.202.12	250	24 / 29	130	85	10
058.202.13	250	29 / 32	130	85	10
058.202.16	500	24 / 29	160	105	10
058.202.17	500	29 / 32	160	160	10
058.202.19	1000	24 / 29	187	131	10
058.202.20	1000	29 / 32	187	131	10
058.202.22	2000	24 / 29	230	166	6
058.202.23	2000	29 / 32	230	166	6

* Non DIN





Laboratory Bottles

Laboratory Bottles

Bottles Reagent screw cap clearglass, manufactured from ASTM E 438 TYPE 1 BORO 3.3 GLASS in compliance to DIN ISO 4796 - 1 standards AUTOCLAVABLE SCREW CAP AND POURING RING, **EN ISO 4796**

Clear Glass Cat No.	Capacity (ml)	D	H	Pcs/Pack
274.202.01	100	56	100	10
274.202.02	250	70	138	10
274.202.03	500	86	176	10
274.202.04	1000	101	225	10
274.202.05	2000	136	260	10
274.202.07	5000	183	323	1
274.202.08	10000	235	405	1
274.202.09	20000	296	500	1



Amber Laboratory Bottles



Bottles Reagent screw cap amberglass, manufactured from ASTM E 438 TYPE 1 BORO 3.3 GLASS in compliance to DIN ISO 4796 - 1 standards AUTOCLAVABLE SCREW CAP AND POURING RING, **EN ISO 4796**

Amber Glass Cat No.	Capacity (ml)	D	H	Pcs/Pack
275.202.01	100	56	100	10
275.202.02	250	70	138	10
275.202.03	500	86	176	10
275.202.04	1000	101	225	10
275.202.05	2000	136	260	10



← Glassco Brand

BORO 3.3
1000 ml

← Type or Glass
Heat Resistant Boro 3.3

← Nominal Volume

Retrace Code
GL082014D

← Retrace Code



275.205.02 Blue colour pouring ring



275.205.01 Blue colour screw cap GL 45





Tubes



Culture Tubes With Screw Cap

Item Code	O.D.x Length (mm)	Bottom Type	Pcs/ Pack
082.204.01	12 x 100	Round	100
082.204.02	16 x 100	Round	100
082.204.03	16 x 125	Round	100
082.204.04	16 x 160	Round	100
082.204.05	18 x 180	Round	100
082.204.06	20 x 100	Round	100
082.204.07	20 x 200	Round	100
082.204.08	22 x 200	Round	100
082.202.05	25 x 100	Round	100
082.202.07	25 x 200	Round	100

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

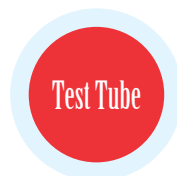
EN ISO-4142

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



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

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





Squibb Separating Funnels

Separating and dropping funnels 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.

CAT. NO. PLAIN	CAPACITY				
		N/S	BORE	STOP COCK TYPE	Pcs/ Pack
147.202.02	50ML	19/26	2.5	SOLID GLASS	1
147.202.03	100L	19/26	2.5	SOLID GLASS	1
147.202.04	250ML	29/32	4	SOLID GLASS	1
147.202.05	500ML	29/32	4	SOLID GLASS	1
147.202.06	1000ML	29/32	6	SOLID GLASS	1
147.202.07	2000ML	29/32	6	SOLID GLASS	1

Separating funnels Squibb Shape, with PP Stopper as per **DIN / ISO 4800** standard.

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

CAT. NO. PLAIN	CAPACITY				
		N/S	BORE	STOP COCK TYPE	Pcs/ Pack
149.202.02	50ML	19/26	2.5	PTFE	1
149.202.03	100L	19/26	2.5	PTFE	1
149.202.04	250ML	29/32	4	PTFE	1
149.202.05	500ML	29/32	4	PTFE	1
149.202.06	1000ML	29/32	6	PTFE	1
149.202.07	2000ML	29/32	6	PTFE	1



Graduated Dropping Funnels

Dropping Funnel Cylindrical with PP Stopper As Per **DIN / ISO 4800** STANDARD.

CAT NO. GRADUATION	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
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





Filtration Glassware

All-Glass Filter Holder

For 47 mm Disc Filters

Applications:

This is used in vacuum filter aqueous, organic or corrosive liquids for particulate contamination analysis. Also recommended for HPLC solvent filtration.



Specifications:

Materials

258.202.01

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

Filter Diameter, mm

47

Filtration Area, cm²

9.6

Funnel Capacity, ml

Funnel: 300 ml; flask: 1 l

Outlet Fitting

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

Ordering Information:

Catalogue No.

258.202.01

Description

All-Glass Filter Holder Assembly with funnel, fritted base & cap, clamp 47 mm, ground joint flask 1 Ltr.

Replacement Parts

Catalogue No.

258.245.01

Description

Glass funnel, 300 ml, borosilicate

258.245.02

Spring clamp, 47 mm, aluminum

258.245.03

Glass Base & Cap, 47 mm

258.245.04

Ground Joint Flask, 1000ml

Ordering Information:

Catalogue No.

260.202.01

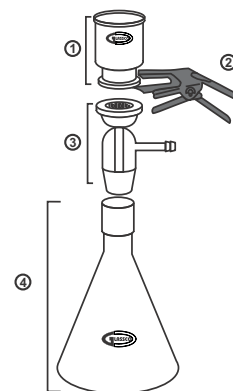
Replacement Parts:

258.245.01

260.245.02

258.245.02

260.245.05



Replacement Parts:

1 Funnel 300 ml

2 Clamp 47 mm

3 Vacuum Base 47 mm with Sintered Disc

4 Ground Joint Flask 1000 ml

Description

Glass filter holder assembly with funnel, fritted base, stopper, clamp, 47 mm

Glass funnel, 300 ml, borosilicate

Base for 47 mm glass/filter holder

Spring clamp, 47 mm, aluminum

No. 8 perforated stopper, silicone



Flask Filter with Glass Connector.

These Flasks are made from heavy wall which can withstand high vacuum. The flasks are printed white colour enamel, Without Graduation.

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





Funnels



Manufactured from **ASTM E 438 TYPE 1 CLASS A BORO 3.3 GLASS**. These funnels comply to ISO, DIN AND USP standards, **ISO - 4798**

Item Code	Diameter (mm)	Pcs/ Pack
238.202.05*	50	10
238.202.07*	65	10
238.202.09	75	10
238.202.11	100	10
238.202.12	125	10
238.202.13	150	10

* Non DIN

FOR COMPLETE RANGE OF GLASSCO PRODUCTS GO TO THE WEBSITE www.glasscolabs.com





Burettes

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.				
	Cap. ml.	Division	Tolerance (\pm ml)	Pcs/Pack
111.202.01	10ML	0.05	0.03	1
111.202.02	25ML	0.1	0.05	1
111.202.03	50ML	0.1	0.05	1



Burettes with glass stopcock Class B with Amber Graduation, DIN ISO 385

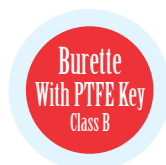
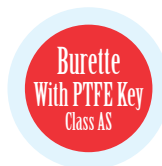
With glass stopcock Cat No.	Cap. ml.	Division	Tolerance (\pm ml)	Pcs/Pack
110.224.01	10ML	0.05	0.05	1
110.224.02	25ML	0.10	0.10	1
110.224.03	50ML	0.10	0.10	1





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.				
	Cap. ml.	Division	Tolerance (\pm ml)	Pcs/ Pack
115.202.01	10ML	0.05	0.03	1
115.202.02	25ML	0.1	0.05	1
115.202.03	50ML	0.1	0.05	1



Burettes Class B with Amber Graduation, DIN ISO 385

With PTFE KEY STOPCOCK Cat No.	Cap. ml.	Division	Tolerance (\pm ml)	Pcs/ Pack
114.224.01	10ML	0.05	0.05	1
114.224.02	25ML	0.10	0.10	1
114.224.03	50ML	0.10	0.10	1





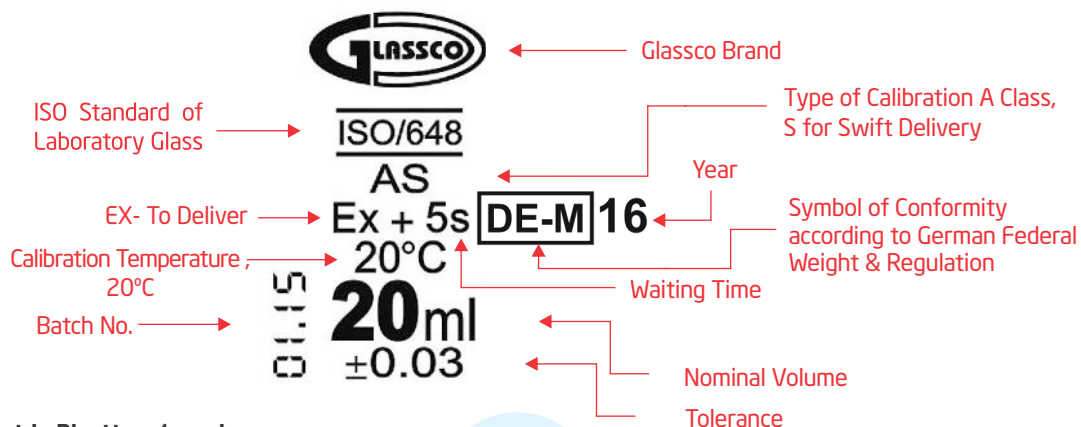
Volumetric Pipettes

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.

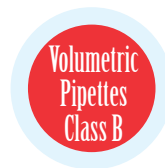
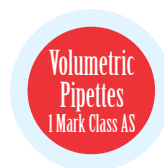
Below is the overview of the one mark pipette explaining in detail the content printed on it.



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

Cat No.	Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/ Pack
123.202.01	1ml	BLUE	0.008	5
123.202.02	2ml	ORANGE	0.010	5
123.202.03	5ml	WHITE	0.015	5
123.202.04	10ml	RED	0.020	5
123.202.05	20ml	YELLOW	0.030	5
123.202.06	25ml	BLUE	0.030	5
123.202.07	50ml	RED	0.050	5
123.202.08	100ml	YELLOW	0.080	5

*NON-DIN



Volumetric Pipette 1 mark Class B in compliance with DIN ISO 648 Standard

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





NEW 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 machines 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 **DE-M** mark printed on the Flask.

"iGlass Intelligent & Instant At Your Finger Tips"

DECODED GLASSWARE

Scan QR Code On Flask

DIN ASTM USP Certificate of Conformity

Certificate of Calibration

User Manual

QR Code

Neck Size: NS 14/23

Glassco Brand: G 1.1 G

ISO Standard of Laboratory Glass: ISO 1042

Type of Calibration "Class A"

Type of Glass Heat Resistant Boro 3.3

Nominal Volume: 250 ml

Tolerance: ±0.15

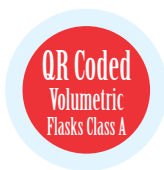
Symbol of Conformity according to German Federal Weight & Regulation: DE-M 16

20°C, IN-To Contain Calibration Temperature

Miniscus Mark

We have now Introduced **QR Coded** Volumetric Flasks. You Don't need to bother about going Online & Getting your lost Certificate. Just scan the QR Code & Download all the Certificates.

All the QR Coded Flasks come with **BLUE** Marking Ring on Clear Flask & **WHITE** Marking Ring on **AMBER** Flask for better Visibility of Meniscus.



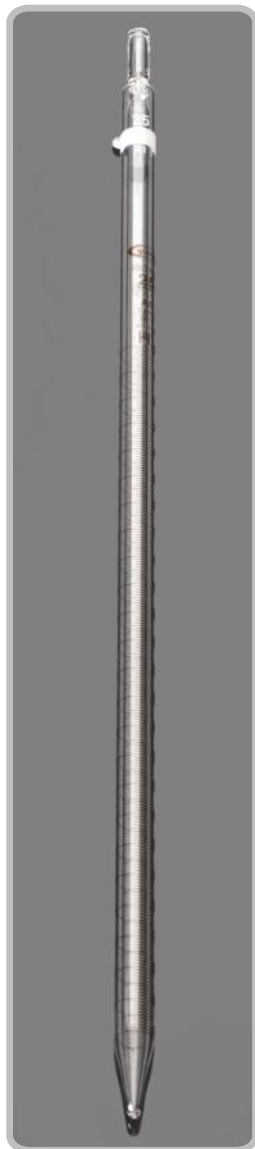
Volumetric Flasks PP Stopper Class A in compliance with **DIN ISO 1042 Standards** with individual work certificate & serial number.

NEW QR CODE INDIVIDUAL WORK CERTIFICATE WITH PP STOPPER				
	Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
QR.130.223.01	5ML	10/19	0.040	1
QR.130.223.02	10ML	10/19	0.040	1
QR.130.223.02A	20ML	10/19	0.040	1
QR.130.223.03	25ML	10/19	0.040	1
QR.130.223.04	50ML	12/21	0.060	1
QR.130.223.04B	50ML	14/23	0.100	1
QR.130.223.05B	100ML	12/21	0.100	1
QR.130.223.05	100ML	14/23	0.100	1
QR.130.223.06	200ML	14/23	0.150	1
QR.130.223.07	250ML	14/23	0.150	1
QR.130.223.08	500ML	19/26	0.250	1
QR.130.223.09	1000ML	24/29	0.400	1
QR.130.223.10	2000ML	29/32	0.600	1
QR.130.223.11	5000ML	34/35	1.200	1





Graduated Pipettes



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

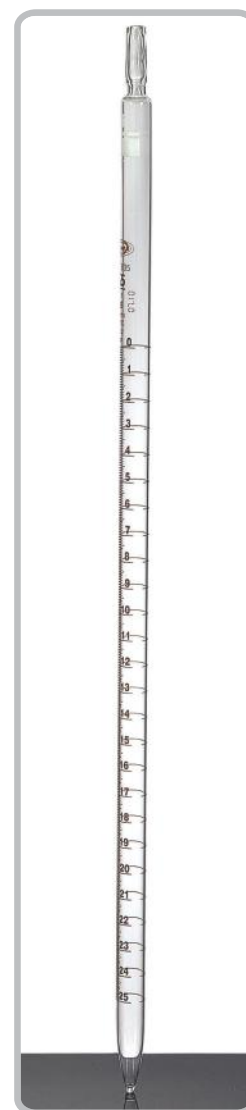
- Type 1 : These pipettes are for partial delivery having 0 point at top.
- Type 3 : These pipettes are for complete delivery having 0 Point at top.

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 machines 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.	Cap. ml.	COLOUR CODE	Tolerance (±ml)	Pcs/ Pack
125.202.00A	0.2 ml	BLACK	0.006	5
125.202.01	1ml	YELLOW	0.007	5
125.202.02	2ml	BLACK	0.010	5
125.202.03	5ml	RED	0.030	5
125.202.04	10ml	ORANGE	0.050	5
125.202.06	25ml	WHITE	0.100	5



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

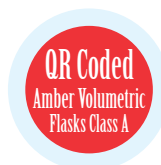
Pipettes With Batch Certificate CLASS AS Cat No.	Cap. ml.	Colour Code	Tolerance (±ml)	Pcs/ Pack
125.453.00A	0.2 ml	BLACK	0.006	5
125.453.00B	1ml	YELLOW	0.007	5
125.453.01A	2ml	BLACK	0.010	5
125.453.02A	5ml	RED	0.030	5
125.453.04	10ml	ORANGE	0.050	5
125.453.06	25ml	WHITE	0.100	5



Laboratory Glassware



Volumetric Flasks PP Stopper Class A in compliance with **DIN ISO 1042 Standards** with individual work certificate & serial number.



NEW QR CODE AMBER GLASS WITH INDIVIDUAL WORK CERTIFICATE WITH PP STOPPER				
	Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
QR.130.223.01A	5ML	10/19	0.040	1
QR.130.223.02AB	10ML	10/19	0.040	1
QR.130.223.03A	20ML	10/19	0.040	1
QR.130.223.04A	25ML	10/19	0.040	1
QR.130.223.05A	50ML	12/21	0.060	1
QR.130.223.05AB	50ML	14/23	0.100	1
QR.130.223.06AB	100ML	12/21	0.100	1
QR.130.223.06A	100ML	14/23	0.100	1
QR.130.223.07A	200ML	14/23	0.150	1
QR.130.223.08A	250ML	14/23	0.150	1
QR.130.223.09A	500ML	19/26	0.250	1
QR.130.223.10A	1000ML	24/29	0.400	1
QR.130.223.11A	2000ML	29/32	0.600	1



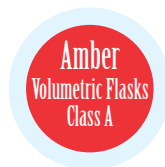
Volumetric Flasks Class A in compliance with **DIN ISO 1042 Standards** with conformity batch certified



BATCH CERTIFICATE WITH PP STOPPER				
	Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
130.202.01	5ML	10/19	0.040	2
130.202.02	10ML	10/19	0.040	2
130.202.02A	20ML	10/19	0.040	2
130.202.03	25ML	10/19	0.040	2
130.202.04	50ML	12/21	0.060	2
130.202.04B	50ML	14/23	0.100	2
130.202.05B	100ML	12/21	0.100	2
130.202.05	100ML	14/23	0.100	2
130.202.06	200ML	14/23	0.150	2
130.202.07	250ML	14/23	0.150	2
130.202.08	500ML	19/26	0.250	2
130.202.09	1000ML	24/29	0.400	2
130.202.10	2000ML	29/32	0.600	1
130.202.11	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				
	Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
130.202.01A	5ML	10/19	0.040	2
130.202.02AB	10ML	10/19	0.040	2
130.202.03A	20ML	10/19	0.040	2
130.202.04A	25ML	10/19	0.040	2
130.202.05A	50ML	12/21	0.060	2
130.202.05AB	50ML	14/23	0.100	2
130.202.06AB	100ML	12/21	0.100	2
130.202.06A	100ML	14/23	0.100	2
130.202.07A	200ML	14/23	0.150	2
130.202.08A	250ML	14/23	0.150	2
130.202.09A	500ML	19/26	0.250	2
130.202.10A	1000ML	24/29	0.400	2
130.202.11A	2000ML	29/32	0.600	1

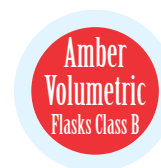




Laboratory Glassware

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

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



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

Cat. No. WITH PP STOPPER	Cap. ml.	N/S	Tolerance (±ml)	PCS/ PACK
130.222.01A	5ML	10/19	0.08	2
130.222.02AB	10ML	10/19	0.08	2
130.222.03A	20ML	10/19	0.08	2
130.222.04A	25ML	10/19	0.08	2
130.222.05A	50ML	12/21	0.120	2
130.222.05AB	50ML	14/23	0.200	2
130.222.06AB	100ML	12/21	0.200	2
130.222.06A	100ML	14/23	0.200	2
130.222.07A	200ML	14/23	0.300	2
130.222.08A	250ML	14/23	0.300	2
130.222.09A	500ML	19/26	0.500	2
130.222.10A	1000ML	24/29	0.800	2
130.222.11A	2000ML	29/32	1.200	1





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 machines 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 **DE-M** Mark printed on it.



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					
	Cap. ml.	SUB DIVISION	Tolerance (±ml)	Lot PCS/PACK	Individual PCS/PACK
139.202.01A	10ML	0.2	0.10	2	1
139.202.02A	25ML	0.5	0.25	2	1
139.202.03A	50ML	1.0	0.50	2	1
139.202.04A	100ML	1.0	0.50	2	1
139.202.05A	250ML	2.0	1.00	2	1
139.202.06A	500ML	5.0	2.50	2	1
139.202.07A	1000ML	10.0	5.00	1	1
139.202.08A	2000ML	20.0	10.00	1	1



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 Hexagonal Base	Cap. ml.	SUB DIVISION	Tolerance (±ml)	PCS/PACK
142.202.01A	10ML	0.2	0.10	2
142.202.02A	25ML	0.5	0.25	2
142.202.03A	50ML	1.0	0.50	2
142.202.04A	100ML	1.0	0.50	2
142.202.05A	250ML	2.0	1.00	2
142.202.06A	500ML	5.0	2.50	2
142.202.07A	1000ML	10.0	5.00	2
142.202.08A	2000ML	20.0	10.00	1





Liquid Handling

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

Variable Micropipette

Item Code	Volume Range	Increment	Pcs/Pack	Colour
500.303.04	5 - 50 μ l	0.5 μ l	1	Red
500.303.05	10 - 100 μ l	0.5 μ l	1	Orange
500.303.07	20 - 200 μ l	1.0 μ l	1	Yellow
500.303.08	100 - 1000 μ l	5.0 μ l	1	Blue
500.303.10	500 - 5000 μ l	50.0 μ l	1	Black

Fixed Micropipette

Item Code	Volume Range	Pcs/Pack	Colour
501.303.03	10 μ l	1	Red
501.303.06	50 μ l	1	Orange
501.303.07	100 μ l	1	Yellow
501.303.11	1000 μ l	1	Blue





Dispenser

GLASSCO BOTTLE TOP DISPENSER With Re-Circulation Valve

- Fully autoclavable at 121°C , 15 psi for 10-15 mins.
- "CE" mark awarded.
- Smooth & soft plunger for ease of working.
- Highly robust and reliable dispensing technique.
- It has re-circulation valve for re-directing the liquid into the bottle for bubble free dispensing without any loss of reagent.
- Adjustable delivery nozzle to facilitate dispensing ease in all demanding laboratory conditions.
- 180° Rotation for easy & effortless volume setting.
- Specially designed adapter allows 360° rotation, providing full flexibility in working.
- Specially designed, springless, PTFE valve manifold ensures high chemical compatibility and jamming free valve functioning.
- PTFE Piston with ETP O-Ring ensures very high chemical compatibility & wiper like smooth, effortless piston movement.
- Adaptors to fit most of the laboratory reagent bottles are provided in the following sizes : 28,30,32,36,40 & 45 mm.
- Calibration as per ISO 8655 standards.



Specifications & Ordering Information

Model No.	Vol. Range	Increment	ISO 8655 Specifications				Glassco Specifications			
			Accuracy		CV		Accuracy		CV	
			±%	± ml	±%	± ml	±%	± ml	±%	± ml
500.444.03	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020	0.5	0.050	0.1	0.010
500.444.05	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120	0.5	0.300	0.1	0.060
500.444.06	10-100 ml	2.0 ml	0.6	0.600	0.2	0.200	0.5	0.500	0.1	0.100





Instruments



500.AG

Included Accessory:

1. Rod Stainless Steel length 500 mm, Ø 12 mm (550.500.01)
2. Magnetic Stirring bar 25 mm x 8.25 mm (550.500.02)
3. PT 100 sensor probe (550.500.03)
4. Clamp with Boss head (550.500.04)

Extra Accessories:

1. Glass Ceramic top plate (550.500.05)
2. Knobs (550.500.06)

Cat No.	500.AG.01(230V,1300W,50Hz)
Technical Specifications	500.AG.02 (115V,1300W,60Hz)
Heating Plate material	Glass Ceramic white square plate
Dimension of heating plate	175x175mm
Display windows for	Temperature and RPM
Speed range	>1500 RPM
Temperature range	Ambient to 510°C
Adjustable safety cut off	550°C
Control accuracy of PT100	± 1k
Dimensions of hot plate body	378x220x103
Weight of body	5.8Kgs
Permissible ambient temperature	5-40°C
Permissible relative moisture	80%
USB Port	Yes
IP Class	21

GLASS CERAMIC

Analogue Hotplate with Magnetic Stirrer



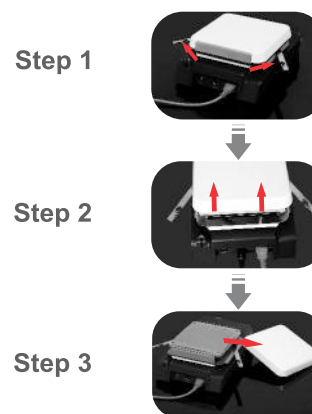
- Highly scratch and chemical resistant.
- Even heat distribution.
- Thermal insulation for cool body operation.
- Digital set up temperature controller with independent LED display.
- Inclusive PT 100 temperature sensor probe.
- Installed with double PT sensors for fail safe operating mechanism.
- Hot top indicator for temperature above 50°C even when switched off.
- Large top plate to assist beaker upto 5000 ml.
- Selection of Celsius and Fahrenheit.
- Selection of hot plate and probe temperature.
- Error code display at any kind of failure.
- Independent LED display for RPM and temperature.
- Maximum stirring speed is > 1500 RPM.
- High magnetic strength.
- Single multi-turn intelligent knob Operation.
- Double PT 100 sensor for users safety.
- User settable High temperature cutoff and hard wired cutoff.
- DIN connector for external temperature probe.

A) Innovative Spill away (Patent Pending) :



Backward Spillage

**B) Innovative Click System (Patent Pending) :
Replacing of Glass Ceramic Plate**





STAINLESS STEEL

Analog Hotplate with Magnetic Stirrer



- Installed with PT sensor for fail safe operation.
- Hot top indicator for temperature above 50°C.
- Large top plate to assist beaker upto 3000 ml.
- High magnetic strength.
- Knob for electronic variable speed control.
- Knob for regulating variable power.

700.AG

Included Accessory:

1. Magnetic Stirring bar 35 mm x 9 mm (750.700.02)

Cat No.	700.AG.01(230V,650W,50Hz) 700.AG.02(115V,650W,60Hz)
Technical Specifications	
Heating Plate material	Polished Stainless Steel
Dimension of heating plate	150 Ø
Speed range	50-1700RPM
Maximum stirring bar length	Can use upto 80mm bar (at lower speed)
Temperature range	Ambient to 350°C
Dimensions of hot plate body	273X160X102mm
Weight of body	2.8Kgs
Permissible ambient temperature	5-40°C
Permissible relative moisture	80%
RS 232 interface	Yes
IP Class	22





Instruments



900.DG

CERAMIC COATED STAINLESS STEEL Digital Hotplate with Magnetic Stirrer

- Large top plate to assist beaker upto 3000 ml.
- Thermal insulation for cool body operation.
- Digital set up temperature controller with independent LED display.
- Set safety cut-off for maximum temperature limit for top plate or probe.
- Installed with double PT sensors for fail safe operating mechanism.
- Hot top indicator for temperature above 50°C even when switched off.
- Inclusive PT 100 temperature sensor probe.
- Audible alarm at time cycle end for safety and ease of unsupervised operation.
- Digital setup of time with independent LED display.
- Selection of Celsius and Fahrenheit.
- Selection of hot plate and probe temperature.
- Error code display at any kind of failure.
- Digital setup of RPM with independent LED display.
- Count-up indication of minutes and hours.
- Single multi-turn intelligent knob Operation.
- Even heat distribution.
- High magnetic strength.

Cat No.	900.DG.01 (230V,650W,50Hz) 900.DG.02 (115V,650W,60Hz)
Technical Specifications	
Heating Plate material	Stainless Steel Ceramic Coated
Dimension of heating plate	150 Ø
Display windows for	Temperature, RPM and Time
Speed range	50-1500 RPM
Maximum stirring bar length	Can use upto 80mm bar (at lower speed)
Temperature range	Ambient to 350°C
Adjustable safety cut off	50-400°C
Control accuracy of PT100	± 1k
Dimensions of hot plate body	273X160X102mm
Weight of body	3.3Kgs
Permissible ambient temperature	5-40°C
Permissible relative moisture	80%
RS 232 interface	Yes
IP Class	32

Included Accessory:

1. Rod Stainless Steel length 400 mm, Ø 12 mm (850.800.01)
2. Magnetic Stirring bar 35 mm x 9 mm (850.800.02)
3. Moulded PT 100 sensor probe (850.800.03)
4. Boss head(zinc), Ø 16 mm (850.800.04)





1000.EU

1000.US



Liquid Spill Protection

HEATING MANTLE



- ON-OFF knob for heat power control.
- Mantle knitted with glass fibre yarn.
- Provides uniform heating to flasks.
- Heats upto 400°C.
- For Round Bottomed Flasks as per DIN - 12347
- Inbuilt protection from liquid spill
- Easy maintenance
- Long life

Technical Specifications	
Heating Mantle Material	Made aluminium
Mantle Capacity	To hold standard Round Bottom Flasks upto 20 liters
Temperature Range	Approx. 400°C
Heating Control	Electronic power regulator
Permissible ambient temperature	5-40 °C
Permissible relative moisture	80%
IP Class	10

Cat No. (230 VAC 50Hz)	Cat No. (115 VAC 60Hz)	Mantle Capacity (ml)	Wattage(W)
1000.EU.02	1000.US.02	100 ml	150
1000.EU.03	1000.US.03	250 ml	150
1000.EU.04	1000.US.04	500 ml	200
1000.EU.05	1000.US.05	1000 ml	300

PS : BIGGER SIZES AVAILABLE ON REQUEST





1500.EU

1500.US



Liquid Spill Protection

HEATING MANTLE with Stirrer

- ON-OFF knob for heat power control.
- ON-OFF knob for stir speed control.
- Mantle knitted with glass fibre yarn.
- Provides uniform heating to flasks.
- Heats upto 400°C.
- For Round Bottomed Flasks as per DIN - 12347
- Inbuilt protection from liquid spill
- Easy maintenance
- Long life



Included Accessory:

1. Magnetic Stirring bar 25 mm x 9 mm (1500.150.02)

Technical Specifications	
Heating Mantle Material	Made aluminium
Mantle Capacity	To hold standard Round Bottom Flasks upto 5 liters
Variable Speed Range	Approx. upto 750 RPM
Temperature Range	Approx. 400°C
Heating Control	Electronic power control
Speed Control	Electronic Regulator
Permissible ambient temperature	5-40 °C
Permissible relative moisture	80%
IP Class	10

Cat No. (230 VAC 50Hz)	Cat No. (115 VAC 60Hz)	Mantle Capacity (ml)	Wattage(W)
1500.EU.01	1500.US.01	100 ml	170
1500.EU.02	1500.US.02	250 ml	170
1500.EU.03	1500.US.03	500 ml	220
1500.EU.04	1500.US.04	1000 ml	320

PS : BIGGER SIZES AVAILABLE ON REQUEST



Our Presence



Glassco has distributors in more than 75 countries and has presence in every part of the world.

GLASSCO LABORATORY EQUIPMENTS PVT. LTD.

Manglai, P.O. Khudda Kalan,
AMBALA CANTT - 133004, Haryana (India)
Tel. : 0091-171-6451250, 2891633
Fax : 0091-171-2891632
Email : info@glasscolabs.com
Website : www.glasscolabs.com

Branch Office

Glassco Laboratory Instruments Ltd.
ABACUS House, 367, Bland Ford Road,
Beckenham Br3 4NW,
United Kingdom