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### LABORATORY GLASSWARE

Laboratory glassware refers to a variety of equipment, traditionally made of glass, used for scientific experiments and other work in science, especially in chemistry and biology laboratories. Especially borosilicate glass, or soda-lime glass are preferred glass types for scientific experiments and other work in science, especially in chemistry and biology laboratories.

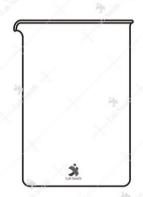
### 1. BEAKERS BOROSILICATE GLASS

A beaker is a simple container for stirring, mixing and heating liquids commonly used in many laboratories. Beakers are generally cylindrical in shape, with a flat bottom. Most also have a small spout or beak to aid pouring as shown in the picture. Beakers are available in a wide range of sizes, from one millilitre up to several litres.

### 1.1 Beaker, Low Form with Spout, Ungraduated

• Made of Heat Resistant Borosilicate Glass

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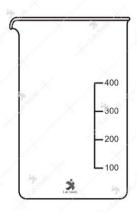


Cat. No.	Specifications	Minimum Qty/Pack
10010/1	Beaker 5ml Glass	10
10010/2	Beaker 10 ml Glass	10
10010/3	Beaker 20ml Glass	10
10010/4	Beaker 25ml Glass	10



### 1.2 Beaker, Low Form with Spout, Graduated

- Made of Heat Resistant Borosilicate Glass
- Accuracy of graduation  $\pm$  5%.

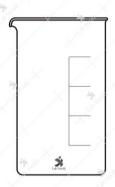


Cat. No.	Specifications	Graduation Interval (ml.)	Minimum Qty/Pack
10020/1	Beaker 50 ml Glass	10	10
10020/2	Beaker 100 ml Glass	25	10
10020/3	Beaker 150 ml Glass	50	10
10020/4	Beaker 250 ml Glass	- 50	10
10020/5	Beaker 400 ml Glass	100	8
10020/6	Beaker 500 ml Glass	100	8
10020/7	Beaker 600 ml Glass	100	8
10020/8	Beaker 1000 ml Glass	200	3
10020/9	Beaker 2000 ml Glass		3
10020/10	Beaker 3000 ml Glass	-	1
10020/11	Beaker 5000 ml Glass	-	1
10020/12	Beaker 10000 ml Glass	-	1



### 1.3 Beaker Tall form, with or without Spout, Graduated

- Made of Heat Resistant Borosilicate Glass.
- Graduations  $\pm$  5%.



<b>Specifications</b>
Beaker 50 ml Glass
Beaker 100 ml Glass
Beaker 150 ml Glass
Beaker 250 ml Glass
Beaker 500 ml Glass
Beaker 1000 ml Glass



### 1.4 Beaker Philips, Conical with Spout.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Specifications	Minimum Qty/Pack		
10040/1	Beaker 250 ml Glass	2		
10040/2	Beaker 500 ml Glass	2		



### 2. FLASKS BOROSILICATE GLASS

Laboratory flasks are vessels (containers) which fall into the category of laboratory equipment known as glassware. In laboratory and other scientific settings, they are usually referred to simply as flasks. Flasks come in a number of shapes and a wide range of sizes, but a common distinguishing aspect in their shapes is a wider vessel "body" and one (or sometimes more) narrower tubular sections at the top called necks which have an opening at the top. Laboratory flask sizes are specified by the volume they can hold, typically in metric units such as milliliters (mL or ml) or liters (L or l). Laboratory flasks have traditionally been made of glass, but can also be made of plastic.

#### 2.1 Flask Reaction, wide Mouth, Flat flange 100 mm. I.D., 150 mm. O.D.

- Made of Heat Resistant Borosilicate Glass.
- Wide Mouth, Flat flange 100 mm I.D. and 150 mm O.D.

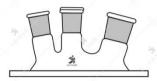


Cat No.	Specifications	
14100/1	Flask Reaction 1000 ml	
14100/2	Flask Reaction 2000 ml	
14100/3	Flask Reaction 3000 ml	
14100/4	Flask Reaction 5000 ml	
14100/5	Flask Reaction 10000 ml	
14100/6	Flask Reaction 20000 ml	



### 2.2 Lids For Reaction Flasks, Flat flange 100 mm. I.D., 150 mm. O.D., with Sockets.

- Made of Heat Resistant Borosilicate Glass.
- Flat flange 100 mm. I.D., 150 mm. O.D., with Sockets

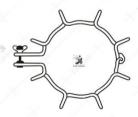


#### **Ordering Information with Specifications:**

Cat No.	Central	Parallel	50	10°	15 <sup>0</sup>
14200/1	19/26	19/26	24/29	19/26	_
14200/2	19/26	14/23	14/23	14/23	29/32
14200/3	29/32	14/23	14/23	14/23	29/32

### 2.3 Stainless Steel Clips, with wing nuts for holding 100 mm. flat flanges.

• Made of Stainless Steel.



Cat No.	Specifications
14300	Stainless Steel Clips, with wing nuts for holding 100 mm. flat flanges



### 2.4 Teflon Gaskets, for 100 mm flat flange

• Made of Teflon.

Cat No.	Specifications
14400	Teflon Gaskets, for 100 mm flat flange



### 2.5 Flask Round Bottom, Short or Medium Neck with socket.

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Short or Medium Neck with socket.



Cat. No.	Specifications	Socket Size	Minimum Qty/Pack
14500/1	Flask Round Bottom 5 ml	10/19	10
14500/1A	Flask Round Bottom 5 ml	14/23	10
14500/2	Flask Round Bottom 10 ml	10/19	10
14500/2A	Flask Round Bottom 10 ml	14/23	10
14500/3	Flask Round Bottom 25 ml	14/23	10
14500/3A	Flask Round Bottom 25 ml	19/26	10
14500/4	Flask Round Bottom 25 ml	24/29	10
14500/5	Flask Round Bottom 50 ml	14/23	10
14500/5A	Flask Round Bottom 50 ml	19/26	10
14500/6	Flask Round Bottom 50 ml	24/29	10
14500/7	Flask Round Bottom 50 ml	34/35	10
14500/8	Flask Round Bottom 100 ml	14/23	10
14500/8A	Flask Round Bottom 100 ml	19/26	10
14500/9	Flask Round Bottom 100 ml	24/29	10
14500/10	Flask Round Bottom 100 ml	34/35	2
14500/11	Flask Round Bottom 150 ml	19/26	10
14500/12	Flask Round Bottom 150 ml	24/29	10



Cat. No.	Specifications	Socket Size	Minimum Qty/Pack
14500/13	Flask Round Bottom 150 ml	29/32	2
14500/13A	Flask Round Bottom 150 ml	34/35	2
14500/14	Flask Round Bottom 250 ml	19/26	10
14500/15	Flask Round Bottom 250 ml	24/29	10
14500/16	Flask Round Bottom 250 ml	29/32	2
14500/16A	Flask Round Bottom 250 ml	34/35	2
14500/17	Flask Round Bottom 500 ml	19/26	2
14500/18	Flask Round Bottom 500 ml	24/29	2
14500/19	Flask Round Bottom 500 ml	29/32	2
14500/19A	Flask Round Bottom 500 ml	34/35	2
14500/20	Flask Round Bottom 1000 ml	24/29	2
14500/21	Flask Round Bottom 1000 ml	29/32	2
14500/22	Flask Round Bottom 1000 ml	34/35	2
14500/23	Flask Round Bottom 2000 ml	24/29	2
14500/23A	Flask Round Bottom 2000 ml	29/32	2
14500/24	Flask Round Bottom 2000 ml	34/35	2
14500/25	Flask Round Bottom 3000 ml	24/29	1
14500/26	Flask Round Bottom 3000 ml	34/35	1
14500/26A	Flask Round Bottom 3000 ml	40/38	1
14500/27	Flask Round Bottom 5000 ml	24/29	1 /
14500/27A	Flask Round Bottom 5000 ml	34/35	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14500/27B	Flask Round Bottom 5000 ml	40/38	1
14500/28	Flask Round Bottom 5000 ml	45/40	1
14500/28A	Flask Round Bottom 5000 ml	50/42	1. 1/
14500/29	Flask Round Bottom 10000 ml	34/35	1_/1
14500/29A	Flask Round Bottom 10000 ml	40/38	//d
14500/30	Flask Round Bottom 10000 ml	45/40	1
14500/30A	Flask Round Bottom 10000 ml	50/42	1
14500/30B	Flask Round Bottom 10000 ml	55/44	1
14500/31	Flask Round Bottom 20000 ml	40/38	1
14500/31A	Flask Round Bottom 20000 ml	50/42	1
14500/31B	Flask Round Bottom 20000 ml	55/44	1

Note: For long neck flasks 10% will be charged extra and also do mention the Short or Medium Neck, while placing order.



### 2.6 Flasks Flat Bottom, Short or Medium Neck with socket.

- Made of Heat Resistant Borosilicate Glass.
- Flat Bottom, Short or Medium Neck with socket.



Cat. No.	Specifications	Socket Size	Minimum Qty/Pack
14600/1	Flask Flat Bottom 5 ml	10/19	10
14600/1A	Flask Flat Bottom 5 ml	14/23	10
14600/2	Flask Flat Bottom 10 ml	10/19	10
14600/2A	Flask Flat Bottom 10 ml	14/23	10
14600/3	Flask Flat Bottom 25 ml	14/23	10
14600/3A	Flask Flat Bottom 25 ml	19/26	10
14600/4	Flask Flat Bottom 25 ml	24/29	10
14600/5	Flask Flat Bottom 50 ml	14/23	10
14600/5A	Flask Flat Bottom 50 ml	19/26	10
14600/6	Flask Flat Bottom 50 ml	24/29	10
14600/7	Flask Flat Bottom 50 ml	34/35	10
14600/8	Flask Flat Bottom 100 ml	14/23	10
14600/8A	Flask Flat Bottom 100 ml	19/26	10
14600/9	Flask Flat Bottom 100 ml	24/29	10
14600/10	Flask Flat Bottom 100 ml	34/35	2
14600/11	Flask Flat Bottom 150 ml	19/26	10
14600/12	Flask Flat Bottom 150 ml	24/29	10
14600/13	Flask Flat Bottom 150 ml	29/32	2
14600/13A	Flask Flat Bottom 150 ml	34/35	2
14600/14	Flask Flat Bottom 250 ml	19/26	10



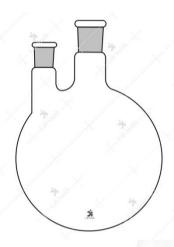
Cat. No.	Specifications	Socket Size	Minimum Qty/Pack
14600/15	Flask Flat Bottom 250 ml	24/29	10
14600/16	Flask Flat Bottom 250 ml	29/32	2
14600/16A	Flask Flat Bottom 250 ml	34/35	2
14600/17	Flask Flat Bottom 500 ml	19/26	2
14600/18	Flask Flat Bottom 500 ml	24/29	2
14600/19	Flask Flat Bottom 500 ml	29/32	2
14600/19A	Flask Flat Bottom 500 ml	34/35	2
14600/20	Flask Flat Bottom 1000 ml	24/29	2
14600/21	Flask Flat Bottom 1000 ml	29/32	2
14600/22	Flask Flat Bottom 1000ml	34/35	2
14600/23	Flask Flat Bottom 2000 ml	24/29	2
14600/23A	Flask Flat Bottom 2000 ml	29/32	2
14600/24	Flask Flat Bottom 2000 ml	34/35	2
14600/25	Flask Flat Bottom 3000 ml	24/29	1
14600/26	Flask Flat Bottom 3000 ml	34/35	1
14600/26A	Flask Flat Bottom 3000 ml	40/38	1
14600/27	Flask Flat Bottom 5000 ml	24/29	1
14600/27A	Flask Flat Bottom 5000 ml	34/35	1
14600/27B	Flask Flat Bottom 5000 ml	40/38	_1
14600/28	Flask Flat Bottom 5000 ml	45/40	1
14600/28A	Flask Flat Bottom 5000 ml	50/42	1
14600/29	Flask Flat Bottom 10000 ml	34/35	1
14600/29A	Flask Flat Bottom 10000 ml	40/38	1
14600/30	Flask Flat Bottom 10000 ml	45/40	1
14600/30A	Flask Flat Bottom 10000 ml	50/42	1
14600/30B	Flask Flat Bottom 10000 ml	55/44	1
14600/31	Flask Flat Bottom 20000 ml	40/38	1
14600/31A	Flask Flat Bottom 20000 ml	50/42	1
14600/31B	Flask Flat Bottom 20000 ml	55/44	1

Note: For long Neck flasks 10% will be charged extra and also do mention the Short or Medium Neck, while placing order.



### 2.7 Flasks Round Bottom, Two Neck (Side neck at parallel)

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Two Neck (Side neck at parallel)



Cat. No.	Specifications	Centre Socket Size	Side Socket Size
14700/1	Flask Round Bottom 100 ml	24/29	14/23
14700/2	Flask Round Bottom 250 ml	24/29	14/23
14700/3	Flask Round Bottom 250 ml	24/29	19/26
14700/4	Flask Round Bottom 500 ml	24/29	14/23
14700/5	Flask Round Bottom 500 ml	24/29	19/26
14700/6	Flask Round Bottom 1000 ml	34/35	14/23
14700/6A	Flask Round Bottom 1000 ml	34/35	19/26
14700/6B	Flask Round Bottom 1000 ml	24/29	14/23
14700/6C	Flask Round Bottom 1000 ml	24/29	19/26
14700/7	Flask Round Bottom 2000 ml	34/35	19/26
14700/7A	Flask Round Bottom 2000 ml	34/35	24/29
14700/7B	Flask Round Bottom 2000 ml	24/29	19/26
14700/7C	Flask Round Bottom 2000 ml	24/29	24/29
14700/8	Flask Round Bottom 3000 ml	34/35	24/29
14700/8A	Flask Round Bottom 3000 ml	34/35	19/26
14700/8B	Flask Round Bottom 3000 ml	34/35	14/23
14700/8C	Flask Round Bottom 3000 ml	24/29	24/29
14700/8D	Flask Round Bottom 3000 ml	24/29	19/26
14700/8E	Flask Round Bottom 3000 ml	24/29	14/23



Cat. No.	Specifications	Centre Socket Size	Side Socket Size
14700/9	Flask Round Bottom 5000 ml	40/38	24/29
14700/9A	Flask Round Bottom 5000 ml	40/38	19/26
14700/9B	Flask Round Bottom 5000 ml	40/38	14/23
14700/9C	Flask Round Bottom 5000 ml	34/35	24/29
14700/9D	Flask Round Bottom 5000 ml	34/35	19/26
14700/9E	Flask Round Bottom 5000 ml	34/35	14/23
14700/9F	Flask Round Bottom 5000 ml	24/29	24/29
14700/9G	Flask Round Bottom 5000 ml	24/29	19/26
14700/9H	Flask Round Bottom 5000 ml	24/29	14/23
14700/10	Flask Round Bottom 10000 ml	55/44	34/35
14700/10A	Flask Round Bottom 10000 ml	55/44	24/29
14700/10B	Flask Round Bottom 10000 ml	55/44	19/26
14700/10C	Flask Round Bottom 10000 ml	50/42	34/35
14700/10D	Flask Round Bottom 10000 ml	50/42	24/29
14700/10E	Flask Round Bottom 10000 ml	50/42	19/26
14700/11	Flask Round Bottom 20000 ml	55/44	34/35
14700/11A	Flask Round Bottom 20000 ml	55/44	24/29
14700/11B	Flask Round Bottom 20000 ml	55/44	19/26
14700/11C	Flask Round Bottom 20000 ml	50/42	34/35
14700/11D	Flask Round Bottom 20000 ml	50/42	24/29
14700/11E	Flask Round Bottom 20000 ml	50/42	19/26

Note: Flasks with other combination of necks can also be supplied.



### 2.8 Flasks Round Bottom, Two Neck (Side neck at angle)

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Two Neck (Side neck at angle)



Cat. No.	<b>Specifications</b>	<b>Centre Socket Size</b>	Side Socket Size
14800/1A	Flask Round Bottom 25 ml	19/26	14/23
14800/1B	Flask Round Bottom 25 ml	24/29	19/26
14800/2A	Flask Round Bottom 50 ml	19/26	14/23
14800/2B	Flask Round Bottom 50 ml	24/29	19/26
14800/3	Flask Round Bottom 100 ml	24/29	14/23
14800/4	Flask Round Bottom 250 ml	24/29	14/23
14800/5	Flask Round Bottom 250 ml	24/29	19/26
14800/6	Flask Round Bottom 500 ml	24/29	14/23
14800/7	Flask Round Bottom 500 ml	24/29	19/26
14800/8	Flask Round Bottom 1000 ml	34/35	14/23
14800/8A	Flask Round Bottom 1000 ml	34/35	19/26
14800/8B	Flask Round Bottom 1000 ml	24/29	14/23
14800/8C	Flask Round Bottom 1000 ml	24/29	19/26
14800/9	Flask Round Bottom 2000 ml	34/35	19/26
14800/9A	Flask Round Bottom 2000 ml	34/35	24/29
14800/9B	Flask Round Bottom 2000 ml	24/29	19/26
14800/9C	Flask Round Bottom 2000 ml	24/29	24/29
14800/10	Flask Round Bottom 3000 ml	34/35	24/29
14800/10A	Flask Round Bottom 3000 ml	34/35	19/26
14800/10B	Flask Round Bottom 3000 ml	34/35	14/23



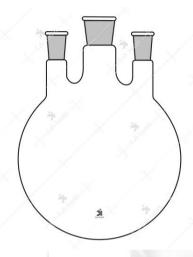
Cat. No.	Specifications	Centre Socket Size	Side Socket Size
14800/10C	Flask Round Bottom 3000 ml	24/29	24/29
14800/10D	Flask Round Bottom 3000 ml	24/29	19/26
14800/10E	Flask Round Bottom 3000 ml	24/29	14/23
14800/11	Flask Round Bottom 5000 ml	40/38	24/29
14800/11A	Flask Round Bottom 5000 ml	40/38	19/26
14800/11B	Flask Round Bottom 5000 ml	40/38	14/23
14800/11C	Flask Round Bottom 5000 ml	34/35	24/29
14800/11D	Flask Round Bottom 5000 ml	34/35	19/26
14800/11E	Flask Round Bottom 5000 ml	34/35	14/23
14800/11F	Flask Round Bottom 5000 ml	24/29	24/29
14800/11G	Flask Round Bottom 5000 ml	24/29	19/26
14800/11H	Flask Round Bottom 5000 ml	24/29	14/23
14800/12	Flask Round Bottom 10000 ml	55/44	34/35
14800/12A	Flask Round Bottom 10000 ml	55/44	24/29
14800/12B	Flask Round Bottom 10000 ml	55/44	19/26
14800/12C	Flask Round Bottom 10000 ml	50/42	34/35
14800/12D	Flask Round Bottom 10000 ml	50/42	24/29
14800/12E	Flask Round Bottom 10000 ml	50/42	19/26
14800/13	Flask Round Bottom 20000 ml	55/44	34/35
14800/13A	Flask Round Bottom 20000 ml	55/44	24/29
14800/13B	Flask Round Bottom 20000 ml	55/44	19/26
14800/13C	Flask Round Bottom 20000 ml	50/42	34/35
14800/13D	Flask Round Bottom 20000 ml	50/42	24/29
14800/13E	Flask Round Bottom 20000 ml	50/42	19/26

Note: Flasks with other combination of necks can also be supplied



### 2.9 Flasks Round Bottom, Three Neck (Side necks at parallel)

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Three Neck (Side necks at parallel)



Cat. No.	Specifications	<b>Centre Socket Size</b>	<b>Side Socket Size</b>
14900/1	Flask Round Bottom 100 ml	24/29	14/23
14900/2	Flask Round Bottom 250 ml	24/29	14/23
14900/2A	Flask Round Bottom 250 ml	24/29	19/26
14900/3	Flask Round Bottom 500 ml	24/29	14/23
14900/3A	Flask Round Bottom 500 ml	24/29	19/26
14900/4	Flask Round Bottom 1000 ml	24/29	14/23
14900/4A	Flask Round Bottom 1000 ml	24/29	19/26
14900/5	Flask Round Bottom 1000 ml	34/35	19/26
14900/6	Flask Round Bottom 2000 ml	24/29	19/26
14900/7	Flask Round Bottom 2000 ml	34/35	19/26
14900/8	Flask Round Bottom 2000 ml	34/35	24/29
14900/9	Flask Round Bottom 3000 ml	34/35	19/26
14900/9A	Flask Round Bottom 3000 ml	34/35	24/29
14900/10	Flask Round Bottom 5000 ml	34/35	19/26
14900/10A	Flask Round Bottom 5000 ml	40/38	19/26
14900/10B	Flask Round Bottom 5000 ml	50/42	19/26
14900/10C	Flask Round Bottom 5000 ml	55/44	19/26
14900/10D	Flask Round Bottom 5000 ml	34/35	24/29
14900/10E	Flask Round Bottom 5000 ml	40/38	24/29



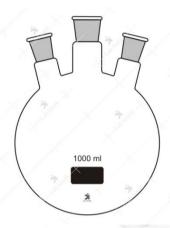
Cat. No.	Specifications	<b>Centre Socket Size</b>	Side Socket Size
14900/10F	Flask Round Bottom 5000 ml	50/42	24/29
14900/10G	Flask Round Bottom 5000 ml	55/44	24/29
14900/11A	Flask Round Bottom 10000 ml	40/38	19/26
14900/11B	Flask Round Bottom 10000 ml	50/42	19/26
14900/11C	Flask Round Bottom 10000 ml	55/44	19/26
14900/11D	Flask Round Bottom 10000 ml	34/35	24/29
14900/11E	Flask Round Bottom 10000 ml	40/38	24/29
14900/11F	Flask Round Bottom 10000 ml	50/42	24/29
14900/11G	Flask Round Bottom 10000 ml	55/44	24/29
14900/12	Flask Round Bottom 20000 ml	34/35	19/26
14900/12A	Flask Round Bottom 20000 ml	40/38	19/26
14900/12B	Flask Round Bottom 20000 ml	50/42	19/26
14900/12C	Flask Round Bottom 20000 ml	55/44	19/26
14900/12D	Flask Round Bottom 20000 ml	34/35	24/29
14900/12E	Flask Round Bottom 20000 ml	40/38	24/29
14900/12F	Flask Round Bottom 20000 ml	50/42	24/29
14900/12 G	Flask Round Bottom 20000 ml	55/44	24/29

Note: Four Neck Flasks above 500 ml can be supplied at 15% extra cost and other combination of sockets can also be supplied on request.



### 2.10 Flasks Round Bottom, Three Neck (Side necks at angle).

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Three Neck (Side necks at angle).



Cat. No.	Specifications	Centre Socket Size	Side Sockets Size
15000/1A	Flask Round Bottom 50 ml	19/26	14/23
15000/1B	Flask Round Bottom 50 ml	24/29	19/26
15000/2	Flask Round Bottom 100 ml	24/29	14/23
15000/3	Flask Round Bottom 250 ml	24/29	14/23
15000/3A	Flask Round Bottom 250 ml	24/29	19/26
15000/4	Flask Round Bottom 500 ml	24/29	14/23
15000/4A	Flask Round Bottom 500 ml	24/29	19/26
15000/5	Flask Round Bottom 1000 ml	24/29	14/23
15000/5A	Flask Round Bottom 1000 ml	24/29	19/26
15000/6	Flask Round Bottom 1000 ml	34/35	19/26
15000/7	Flask Round Bottom 2000 ml	24/29	19/26
15000/8	Flask Round Bottom 2000 ml	34/35	19/26
15000/9	Flask Round Bottom 2000 ml	34/35	24/29
15000/10	Flask Round Bottom 3000 ml	34/35	19/26
15000/10A	Flask Round Bottom 3000 ml	34/35	24/29
15000/11	Flask Round Bottom 5000 ml	34/35	19/26
15000/11A	Flask Round Bottom 5000 ml	40/38	19/26
15000/11B	Flask Round Bottom 5000 ml	50/42	19/26
15000/11C	Flask Round Bottom 5000 ml	55/44	19/26
15000/11D	Flask Round Bottom 5000 ml	34/35	24/29



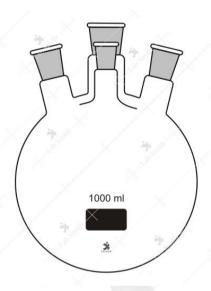
Cat. No.	Specifications	Centre Socket Size	Side Sockets Size
15000/11E	Flask Round Bottom 5000 ml	40/38	24/29
15000/11F	Flask Round Bottom 5000 ml	50/42	24/29
15000/11G	Flask Round Bottom 5000 ml	55/44	24/29
15000/12A	Flask Round Bottom 10000 ml	34/35	19/26
15000/12B	Flask Round Bottom 10000 ml	40/38	19/26
15000/12C	Flask Round Bottom 10000 ml	50/42	19/26
15000/12D	Flask Round Bottom 10000 ml	55/44	19/26
15000/12E	Flask Round Bottom 10000 ml	34/35	24/29
15000/12G	Flask Round Bottom 10000 ml	50/42	24/29
15000/12H	Flask Round Bottom 10000 ml	55/44	24/29
15000/13A	Flask Round Bottom 20000 ml	34/35	19/26
15000/13C	Flask Round Bottom 20000 ml	40/38	19/26
15000/13D	Flask Round Bottom 20000 ml	50/42	19/26
15000/13E	Flask Round Bottom 20000 ml	55/44	19/26
15000/13F	Flask Round Bottom 20000 ml	34/35	24/29
15000/13H	Flask Round Bottom 20000 ml	50/42	24/29
15000/13I	Flask Round Bottom 20000 ml	55/44	24/29

Note: Four Neck Flasks above 500 ml can be supplied at 15% extra cost and other combination of sockets can also be supplied on request.



### <u>2.11 Flask Round Bottom, Four Neck, Center Neck and Three Angled side Neck with Interchangeable Joints.</u>

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Four Neck, Center Neck and Three Angled side Neck with Interchangeable Joints.



Cat. No.	Specifications	<b>Centre Socket Size</b>	<b>Side Sockets Size</b>
15100/1	Flask Round Bottom 100 ml	24/29	14/23
15100/2	Flask Round Bottom 100 ml	24/29	19/26
15100/3	Flask Round Bottom 250 ml	24/29	14/23
15100/4	Flask Round Bottom 250 ml	24/29	19/26
15100/5	Flask Round Bottom 500 ml	24/29	14/23
15100/6	Flask Round Bottom 500 ml	24/29	19/26
15100/7	Flask Round Bottom 500 ml	24/29	24/29
15100/8	Flask Round Bottom 500 ml	34/35	24/29
15100/9	Flask Round Bottom 1000 ml	24/29	14/23
15100/10	Flask Round Bottom 1000 ml	24/29	19/26
15100/11	Flask Round Bottom 1000 ml	24/29	24/29
15100/12	Flask Round Bottom 2000 ml	24/29	14/23
15100/13	Flask Round Bottom 2000 ml	24/29	19/26
15100/14	Flask Round Bottom 2000 ml	34/35	19/26
15100/15	Flask Round Bottom 2000 ml	34/35	24/29
15100/16	Flask Round Bottom 3000 ml	34/35	19/26
15100/17	Flask Round Bottom 3000 ml	34/35	24/29



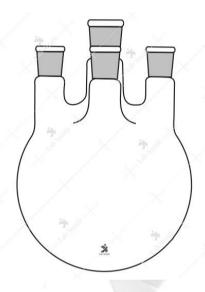
Cat. No.	Specifications	<b>Centre Socket Size</b>	Side Sockets Size
15100/18	Flask Round Bottom 5000 ml	34/35	19/26
15100/19	Flask Round Bottom 5000 ml	34/35	24/29
15100/20	Flask Round Bottom 10000 ml	55/44	24/29
15100/21	Flask Round Bottom 20000 ml	55/44	24/29





### <u>2.12 Flask Round Bottom, Four Neck, Center Neck and Three Parallel side Neck with Interchangeable Joints.</u>

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Four Neck, Center Neck and Three Parallel side Neck with Interchangeable Joints.



Cat. No.	Specifications	<b>Centre Socket Size</b>	Side Sockets Size
15200/1	Flask Round Bottom 100 ml	24/29	14/23
15200/2	Flask Round Bottom 100 ml	24/29	19/26
15200/3	Flask Round Bottom 250 ml	24/29	14/23
15200/4	Flask Round Bottom 250 ml	24/29	19/26
15200/5	Flask Round Bottom 500 ml	24/29	14/23
15200/6	Flask Round Bottom 500 ml	24/29	19/26
15200/7	Flask Round Bottom 500 ml	24/29	24/29
15200/8	Flask Round Bottom 500 ml	34/35	24/29
15200/9	Flask Round Bottom 1000 ml	24/29	14/23
15200/10	Flask Round Bottom 1000 ml	24/29	19/26
15200/11	Flask Round Bottom 1000 ml	24/29	24/29
15200/12	Flask Round Bottom 2000 ml	24/29	14/23
15200/13	Flask Round Bottom 2000 ml	24/29	19/26
15200/14	Flask Round Bottom 2000 ml	34/35	19/26
15200/15	Flask Round Bottom 2000 ml	34/35	24/29
Cat. No.	Specifications	Centre Socket Size	Side Sockets Size
15200/16	Flask Round Bottom 3000 ml	34/35	19/26



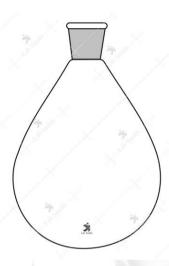
15200/17	Flask Round Bottom 3000 ml	34/35	24/29
15200/18	Flask Round Bottom 5000 ml	34/35	19/26
15200/19	Flask Round Bottom 5000 ml	34/35	24/29
15200/20	Flask Round Bottom 10000 ml	55/44	24/29
15200/21	Flask Round Bottom 20000 ml	55/44	24/29





### 2.13 Flasks Pear Shape, Suitable for Rotary Evaporators with Ground socket

- Made of Heat Resistant Borosilicate Glass.
- Pear Shape, Suitable for Rotary Evaporators with Ground socket

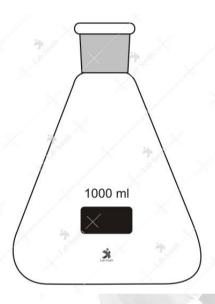


Cat. No.	<b>Specifications</b>	Socket Size
15300/1	Flasks Pear Shape 50 ml	24/29
15300/1A	Flasks Pear Shape 50 ml	29/32
15300/2	Flasks Pear Shape 100 ml	24/29
15300/2A	Flasks Pear Shape 100 ml	29/32
15300/3	Flasks Pear Shape 250 ml	24/29
15300/3A	Flasks Pear Shape 250 ml	29/32
15300/4	Flasks Pear Shape 500 ml	24/29
15300/4A	Flasks Pear Shape 500 ml	29/32
15300/5	Flasks Pear Shape 800 ml	24/29
15300/5A	Flasks Pear Shape 800 ml	29/32
15300/6	Flasks Peer Shape 1000 ml	29/32



### 2.14 Flask Conical, Erlenmeyer, with socket

- Made of Heat Resistant Borosilicate Glass.
- Erlenmeyer, with socket



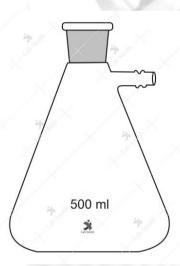
Cat. No.	Specifications	Socket Size
15400/1	Flask Conical 25 ml	14/23
15400/1A	Flask Conical 25 ml	19/26
15400/2	Flask Conical 50 ml	14/23
15400/3	Flask Conical 50 ml	19/26
15400/4	Flask Conical 100 ml	19/26
15400/5	Flask Conical 100 ml	24/29
15400/6	Flask Conical 150 ml	19/26
15400/7	Flask Conical 150 ml	24/29
15400/8	Flask Conical 250 ml	19/26
15400/9	Flask Conical 250 ml	24/29
15400/10	Flask Conical 250 ml	29/32
15400/10A	Flask Conical 250 ml	34/35
15400/11	Flask Conical 500 ml	19/26
15400/12	Flask Conical 500 ml	24/29
15400/13	Flask Conical 500 ml	29/32
15400/13A	Flask Conical 500 ml	34/35
15400/14	Flask Conical 1000 ml	24/29
15400/15	Flask Conical 1000 ml	29/32



Cat. No.	Specifications	Socket Size
15400/15A	Flask Conical 1000 ml	34/35
15400/16	Flask Conical 2000 ml	24/29
15400/16A	Flask Conical 2000 ml	34/35

### 2.15 Flasks Buchner, Filtration, Heavy wall, with tubulation and socket.

- Made of Heat Resistant Borosilicate Glass.
- Filtration, Heavy wall, with tubulation and socket

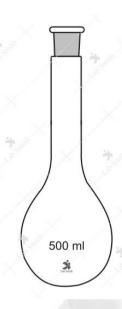


Cat. No.	Specifications	Socket Size
15500/1	Flask Buchner 100 ml	19/26
15500/2	Flask Buchner 250 ml	24/29
15500/3	Flask Buchner 500 ml	24/29
15500/4	Flask Buchner 1000 ml	24/29
15500/5	Flask Buchner 1000 ml	34/35
15500/6	Flask Buchner 2000 ml	34/35



### 2.16 Flasks Kjeldahl, with Socket.

• Made of Heat Resistant Borosilicate Glass.

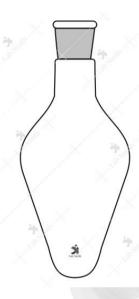


Cat. No.	Specifications	Socket Size
15600/1	Flask Kjeldahl 50 ml	19/26
15600/2	Flask Kjeldahl 100 ml	19/26
15600/3	Flask Kjeldahl 100 ml	24/29
15600/4	Flask Kjeldahl 300 ml	24/29
15600/5	Flask Kjeldahl 500 ml	24/29
15600/6	Flask Kjeldahl 800 ml	24/29
15600/7	Flask Kjeldahl 800 ml	29/32



### 2.17 Flasks Pear Shaped, Single neck.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shaped, Single neck.



Cat. No.	Specifications	Socket Size
15700/1	Flasks Pear Shaped 5 ml	10/19
15700/2	Flasks Pear Shaped 10 ml	10/19
15700/2A	Flasks Pear Shaped 10 ml	14/23
15700/3	Flasks Pear Shaped 25 ml	10/19
15700/3A	Flasks Pear Shaped 25 ml	14/23
15700/4	Flasks Pear Shaped 50 ml	19/26
15700/4A	Flasks Pear Shaped 50 ml	14/23
15700/5	Flasks Pear Shaped 100 ml	14/23
15700/5A	Flasks Pear Shaped 100 ml	19/26
15700/5B	Flasks Pear Shaped 100 ml	24/29



### 2.18 Flasks Pear Shaped, Two necks, side neck at angle.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shaped, Two necks, side neck at angle.

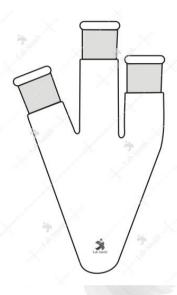


Cat. No.	Specifications	Centre Socket Size	Side Socket Size
15800/1	Flasks Pear Shaped 25 ml	14/23	14/23
15800/2	Flasks Pear Shaped 50 ml	14/23	14/23
15800/3	Flasks Pear Shaped 100 ml	14/23	14/23



### 2.19 Flasks Pear Shaped, Three necks, one side neck at angle, one side neck parallel.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shaped, Three necks, one side neck at angle, one side neck parallel.

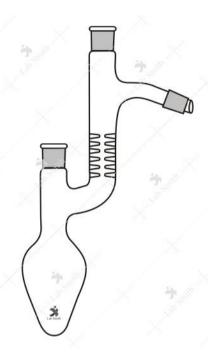


Cat. No.	Specifications	<b>Centre Socket Size</b>	Side Sockets Size
15900/1	Flasks Pear Shaped 25 ml	14/23	14/23
15900/2	Flasks Pear Shaped 50 ml	14/23	14/23
15900/3	Flasks Pear Shaped 100 ml	14/23	14/23



### 2.20 Flasks Pear Shaped, Vigreux, Claisen Type.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shaped, Vigreux, Claisen Type.

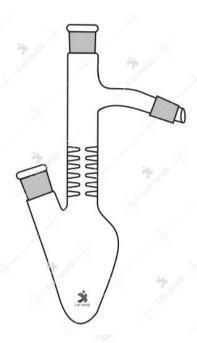


Cat. No.	Specifications	Centre Socket Size	<b>Cone Size</b>
16000/1	Flasks Pear Shaped 10 ml	14/23	14/23
16000/2	Flasks Pear Shaped 25 ml	14/23	14/23
16000/3	Flasks Pear Shaped 50 ml	14/23	14/23
16000/4	Flasks Pear Shaped 100 ml	14/23	14/23



### 2.21 Flasks Pear Shaped, Vigreux, with single neck.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shaped, Vigreux, with single neck.

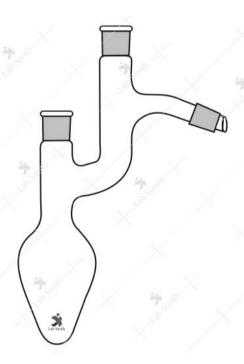


Cat. No.	Specifications	<b>Centre Socket Size</b>	Cone Size
16100/1	Flasks Pear Shaped 10 ml	14/23	14/23
16100/2	Flasks Pear Shaped 25 ml	14/23	14/23
16100/3	Flasks Pear Shaped 50 ml	14/23	14/23
16100/4	Flasks Pear Shaped 100 ml	14/23	14/23



### 2.22 Flasks Claisen, Pear Shaped

- Made of Heat Resistant Borosilicate Glass.
- Claisen, Pear Shaped



Cat. No.	Specifications	Centre Socket Size	<b>Cone Size</b>
16200/1	Flasks Pear Shaped 10 ml	14/23	14/23
16200/2	Flasks Pear Shaped 25 ml	14/23	14/23
16200/3	Flasks Pear Shaped 50 ml	14/23	14/23
16200/4	Flasks Pear Shaped 100 ml	14/23	14/23



### 2.23 Flasks Distillation, Pear Shaped

- Made of Heat Resistant Borosilicate Glass.
- Distillation, Pear Shaped

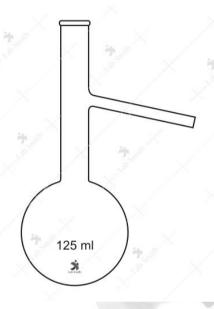


Cat. No.	Specifications	<b>Centre Socket Size</b>	Cone Size
16300/1	Flasks Pear Shaped 10 ml	14/23	14/23
16300/2	Flasks Pear Shaped 25 ml	14/23	14/23
16300/3	Flasks Pear Shaped 50 ml	14/23	14/23
16300/4	Flasks Pear Shaped 100 ml	14/23	14/23



### 2.24 Flasks Distillation, with side tube at angle.

- Made of Heat Resistant Borosilicate Glass.
- Distillation, with side tube at angle.



Cat. No.	Specifications Flask Distillation 25 ml	
16400/1		
16400/2	Flask Distillation 50 ml	
16400/3	Flask Distillation 100 ml	
16400/3A	Flask Distillation 125 ml	
16400/4	Flask Distillation 250 ml	
16400/5	Flask Distillation 500 ml	
16400/6	Flask Distillation 1000 ml	



#### 2.25 Flasks Filtering, Heavywall, Bolt Neck, with Tubulation.

- Made of Heat Resistant Borosilicate Glass.
- Heavywall, Bolt Neck, with Tubulation



#### **Ordering Information with Specifications:**

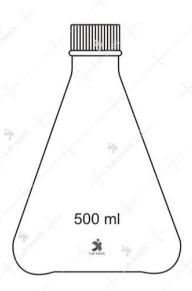
Cat. No.	Specifications	
16500/1	Flask Filtering 50 ml	
16500/2	Flask Filtering 100 ml	
16500/3	Flask Filtering 250 ml	
16500/4	Flask Filtering 500 ml	
16500/5	Flask Filtering 1000 ml	
16500/6	Flask Filtering 2000 ml	
16500/7	Flask Filtering 5000 ml	
16500/8*	Flask Filtering 10000 ml	
16500/9*	Flask Filtering 20000 ml	

Note: \* Bottle Shape



#### 2.26 Flasks Conical, with Screw Cap and Liner.

- Made of Heat Resistant Borosilicate Glass.
- With Screw Cap and Liner.

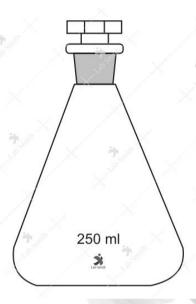


Cat. No.	Specifications	Minimum Qty./Pack
16600/1	Flask Conical 25 ml	2
16600/2	Flask Conical 50 ml	2
16600/3	Flask Conical 100 ml	2
16600/4	Flask Conical 150 ml	2
16600/5	Flask Conical 250 ml	2
16600/6	Flask Conical 500 ml	2
16600/7	Flask Conical 1000 ml	2
16600/8	Flask Conical 2000 ml	2
16600/9	Flask Conical 5000 ml	2



#### 2.27 Flasks Conical, with interchangeable stopper.

- Made of Heat Resistant Borosilicate Glass.
- Conical, with interchangeable stopper.



Cat. No.	Specifications	Minimum Qty./Pack
16700/1	Flask Conical 25 ml	2
16700/2	Flask Conical 50 ml	2
16700/3	Flask Conical 100 ml	2
16700/4	Flask Conical 150 ml	2
16700/5	Flask Conical 250 ml	2
16700/6	Flask Conical 500 ml	2
16700/7	Flask Conical 1000 ml	2
16700/8	Flask Conical 2000 ml	2



#### 2.28 Flasks Conical, with interchangeable stopper. (Amber)

- Made of Heat Resistant Borosilicate Glass.
- Conical, with interchangeable stopper. (Amber)

Cat. No.	Specifications	Minimum Qty./Pack
16700A/1	Flask Conical 25 ml	2
16700A/2	Flask Conical 50 ml	2
16700A/3	Flask Conical 100 ml	2
16700A/4	Flask Conical 150 ml	2
16700A/5	Flask Conical 250 ml	2
16700A/6	Flask Conical 500 ml	2
16700A/7	Flask Conical 1000 ml	2



#### 2.29 Flasks Iodine, with funnel shaped cup & stopper.

- Made of Heat Resistant Borosilicate Glass.
- With funnel shaped cup & stopper

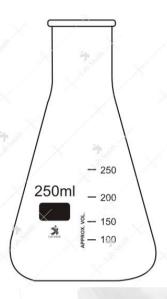


Cat. No.	Specifications	Minimum Qty./Pack
16800/1	Flask Iodine 100 ml	2
16800/2	Flask Iodine 250 ml	2
16800/3	Flask Iodine 500 ml	2
16800/4	Flask Iodine 1000 ml	2



#### 2.30 Flasks Erlenmeyer's, Conical, Approx. Graduation, Narrow Mouth.

- Made of Heat Resistant Borosilicate Glass.
- Conical, Approx. Graduation, Narrow Mouth.



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Approx. neck O.D.mm.	Graduation Interval, ml.	Minimum Qty/Pack
16900/1	Flask Erlenmeyer 5 ml	-	-/	25
16900/2	Flask Erlenmeyer 10 ml	15		25
16900/3	Flask Erlenmeyer 25 ml	21		25
16900/4	Flask Erlenmeyer 50 ml	21	1/ 2/21	20
16900/5	Flask Erlenmeyer 100 ml	25	25	10
16900/6	Flask Erlenmeyer 150 ml	28	25	10
16900/7	Flask Erlenmeyer 250 ml	34	50	10
16900/8	Flask Erlenmeyer 500 ml	34	100	8
16900/9	Flask Erlenmeyer 1000 ml	42	200	6
16900/10	Flask Erlenmeyer 2000 ml	48	500	2
16900/11	Flask Erlenmeyer 3000 ml	48	500	2
16900/12	Flask Erlenmeyer 5000 ml	50	500	2

Note: Flasks 5 ml to 25 ml capacity are ungraduated



#### 2.31 Flasks Erlenmeyer's, Conical, Approx. Graduation, Narrow Mouth. (Amber)

- Made of Heat Resistant Borosilicate Glass.
- Conical, Approx. Graduation, Narrow Mouth. (Amber)



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Approx. neck O.D.mm.	Graduation Interval ml	Minimum Qty/Pack
16900A/1	Flask Erlenmeyer 5 ml			25
16900A/2	Flask Erlenmeyer 10 ml	15		25
16900A/3	Flask Erlenmeyer 25 ml	21		25
16900A/4	Flask Erlenmeyer 50 ml	21	7 ( - L)	20
16900A/5	Flask Erlenmeyer 100 ml	25	25	10
16900A/6	Flask Erlenmeyer 150 ml	28	25	10
16900A/7	Flask Erlenmeyer 250 ml	34	50	10
16900A/8	Flask Erlenmeyer 500 ml	34	100	8
16900A/9	Flask Erlenmeyer 1000 ml	42	200	6
16900A/10	Flask Erlenmeyer 2000 ml	48	500	2
16900A/11	Flask Erlenmeyer 3000 ml	48	500	2
16900A/12	Flask Erlenmeyer 5000 ml	50	500	2

Note: Flasks 5 ml to 25 ml capacity are ungraduated.



#### 2.32 Flasks Kjeldhal, Round Bottom, Long Neck.

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Long Neck

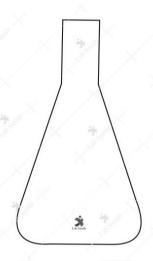


~	~	
Cat. No.	Specifications	
17000/1	Flask Kjeldhal 10 ml	
17000/2	Flask Kjeldhal 30 ml	
17000/3	Flask Kjeldhal 50 ml	
17000/4	Flask Kjeldhal 100 ml	
17000/5	Flask Kjeldhal 300 ml	
17000/6	Flask Kjeldhal 500 ml	
17000/7	Flask Kjeldhal 800 ml	



#### 2.33 Flasks Erlenmeyer, Conical, long neck, without rim.

- Made of Heat Resistant Borosilicate Glass.
- Conical, long neck, without rim

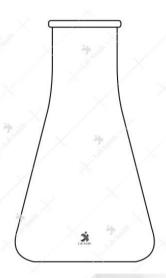


Cat. No.	Specifications	O.D x Ht. mm.(approx.)	Neck O.D. mm.(approx)
17100/1	Flask Erlenmeyer 250 ml	78 x 154	25



#### 2.34 Flasks Erlenmeyer, Conical, Wide Mouth.

- Made of Heat Resistant Borosilicate Glass.
- Conical, Wide Mouth.

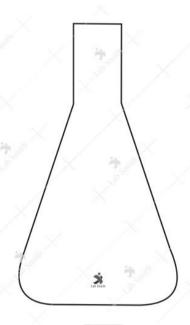


Cat. No.	Specifications	O.D x Ht. mm.(approx.)	Neck O.D. mm.(approx)
17200/1	Flask Erlenmeyer 100 ml	70 x 110	34
17200/2	Flask Erlenmeyer 250 ml	85 x 142	50
17200/3	Flask Erlenmeyer 500 ml	105 x 175	50
17200/4	Flask Erlenmeyer 1000 ml	120 x 220	56



#### 2.35 Flasks Conical, Rimless.

- Made of Heat Resistant Borosilicate Glass.
- Conical, Rimless.

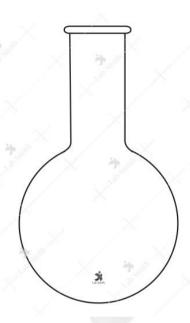


Cat. No.	Specifications	O.D x Ht. mm.(approx.)	Neck O.D. mm.(approx)
17300/1	Flask Conical 750 ml	114 x 210	34



#### 2.36 Flasks Boiling, Round Bottom.

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom.

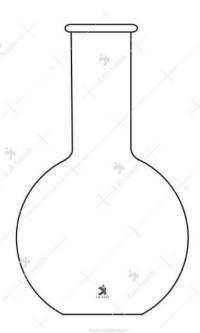


Cat. No.	Specifications	Minimum Qty./Pack
17400/1	Flask Boiling 25 ml	10
17400/2	Flask Boiling 50 ml	10
17400/3	Flask Boiling 100 ml	10
17400/4	Flask Boiling 150 ml	6
17400/5	Flask Boiling 250 ml	4
17400/6	Flask Boiling 500 ml	2
17400/7	Flask Boiling 1000 ml	2
17400/8	Flask Boiling 2000 ml	2
17400/9	Flask Boiling 3000 ml	2
17400/10	Flask Boiling 5000 ml	2
17400/11	Flask Boiling 10000 ml	1
17400/12	Flask Boiling 20000 ml	1



#### 2.37 Flasks Boiling, Flat Bottom.

- Made of Heat Resistant Borosilicate Glass.
- Flat Bottom.



Cat. No.	Specifications	Minimum Qty./Pack
17500/1	Flask Boiling 25 ml	10
17500/2	Flask Boiling 50 ml	10
17500/3	Flask Boiling 100 ml	10
17500/4	Flask Boiling 150 ml	10
17500/5	Flask Boiling 250 ml	4
17500/6	Flask Boiling 300 ml	6
17500/7	Flask Boiling 500 ml	2
17500/8	Flask Boiling 1000 ml	2
17500/9	Flask Boiling 2000 ml	2
17500/10	Flask Boiling 3000 ml	2
17500/11	Flask Boiling 5000 ml	2
17500/12	Flask Boiling 10000 ml	1
17500/13	Flask Boiling 20000 ml	1



#### 2.38 Flasks Culture, Haffkine.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Specifications	Approx O.D. x HT. (mm)
17600/1	Flask Culture 3000 ml	241 x 273
17600/2	Flask Culture 4000 ml	245 x 310

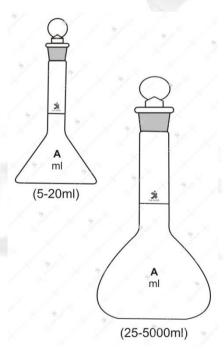


#### 3. MEASURING/VOLUMETRIC FLASKS BOROSILICATE GLASS

A volumetric flask (measuring flask or graduated flask) is a piece of laboratory glassware, a type of laboratory flask, calibrated to contain a precise volume at a particular temperature. Volumetric flasks are used for precise dilutions and preparation of standard solutions. These flasks are usually pear-shaped, with a flat bottom, and made of glass. The flask's mouth is either furnished with a plastic snap/screw cap or fitted with a joint to accommodate a PTFE or glass stopper. The neck of the volumetric flasks is elongated and narrow with an etched ring graduation marking. The marking indicates the volume of liquid contained when filled up to that point. The marking is typically calibrated "to contain" (marked "TC" or "IN") at 20 °C and indicated correspondingly on a label. The flask's label also indicates the nominal volume, tolerance, precision class, relevant manufacturing standard and the manufacturer's logo. The volumetric flasks are of various sizes, containing from 1 to 20 000 mL of liquid.

### 3.1 Flasks Volumetric (Measuring), with interchangeable Glass Stopper, Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable Glass Stopper,
- Accuracy as per Class 'A' with works certificate.





#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Tolerance ±ml	Stopper size (mm)	Minimum Qty./Pack
21100/1	Flask Volumetric *1 ml	0.025	10/15	2
21100/2	Flask Volumetric *2 ml	0.025	10/15	2
21100/3	Flask Volumetric **5 ml	0.025	10/15	2
21100/4	Flask Volumetric **10 ml	0.025	10/15	2
21100/5-1	Flask Volumetric 20 ml	0.04	10/15	2
21100/5	Flask Volumetric 25 ml	0.04	10/15	2
21100/6	Flask Volumetric 50 ml	0.06	10/15	2
21100/7	Flask Volumetric 100 ml	0.1	14/15	2
21100/8	Flask Volumetric 200 ml	0.15	14/15	2
21100/9	Flask Volumetric 250 ml	0.15	14/15	2
21100/10	Flask Volumetric 500 ml	0.25	19/20	2
21100/11	Flask Volumetric 1000 ml	0.4 19/20		2
21100/12	Flask Volumetric 2000 ml	0.6 24/25		2
21100/13	Flask Volumetric 5000 ml	1.20	34/35	2

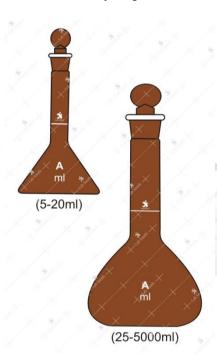
Note: \* 1ml. and 2 ml. Volumetric Flasks are of Test Tube shape.

<sup>\*\* 5</sup>ml. and 10 ml. sizes are Trapezoidal Shape Volumetric Flasks.



### 3.2 Flasks Volumetric (Measuring), with interchangeable Glass Stopper, Accuracy as per Class 'A' with works certificate. (Amber)

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable Glass Stopper,
- Accuracy as per Class 'A' with works certificate. (Amber)



Cat. No.	Specifications	Tolerance ±ml	Stopper size	Minimum Qty./Pack
21100A/1	00A/1 Flask Volumetric *1 ml		10/15	2
21100A/2	Flask Volumetric *2 ml	0.025	10/15	2
21100A/3	Flask Volumetric **5 ml	0.025	10/15	2
21100A/4	Flask Volumetric **10 ml	0.025	10/15	2
21100A/5-1	Flask Volumetric 20 ml	0.04	10/15	2
21100A/5	Flask Volumetric 25 ml	0.04	10/15	2
21100A/6	/6 Flask Volumetric 50 ml 0.06		10/15	2
21100A/7	Flask Volumetric 100 ml	00 ml 0.1 14/15		2
21100A/8	Flask Volumetric 200 ml	0.15	14/15	2
21100A/9	Flask Volumetric 250 ml	0.15	14/15	2
21100A/10	Flask Volumetric 500 ml	0.25	19/20	2
21100A/11	Flask Volumetric 1000 ml	0.4	19/20	2
21100A/12	Flask Volumetric 2000 ml	0.6	24/25	2



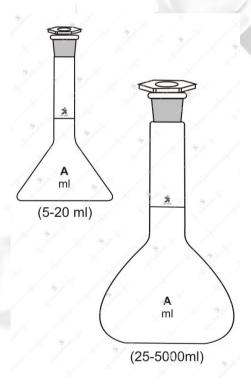
Cat. No.	Specifications	Tolerance ±ml	Stopper size	Minimum Qty./Pack
21100A/13	Flask Volumetric 5000 ml	1.20	34/35	2

Note: \* 1ml. and 2 ml. Volumetric Flasks are of Test Tube shape.

\*\* 5ml. and 10 ml. sizes are Trapezoidal Shape Volumetric Flasks.

### 3.3 Flasks Volumetric (Measuring), with interchangeable PP Stopper, Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable PP Stopper,
- Accuracy as per Class 'A' with works certificate.



Cat. No.	Specifications	Tolerance ±ml	Stopper Size	Minimum Qty/Pack
21200/1	Flask Volumetric *1 ml	0.025	10/15	2
21200/2	Flask Volumetric *2 ml	0.025	10/15	2
21200/3	Flask Volumetric **5 ml	0.025	10/15	2



Cat. No.	Specifications	Tolerance ±ml	Stopper Size	Minimum Qty/Pack
21200/4	Flask Volumetric **10 ml	0.025	10/15	2
21200/5-1	Flask Volumetric **20 ml	0.04	10/15	2
21200/5	Flask Volumetric 25 ml	0.04	10/15	2
21200/6	Flask Volumetric 50 ml	0.06	10/15	2
21200/7	Flask Volumetric 100 ml	0.1	14/15	2
21200/8	Flask Volumetric 200 ml	0.15	14/15	2
21200/9	Flask Volumetric 250 ml	0.15	14/15	2
21200/10	Flask Volumetric 500 ml	0.25	19/20	2
21200/11	Flask Volumetric 1000 ml	0.4	19/20	2
21200/12	Flask Volumetric 2000 ml	0.6	24/25	2
21200/13	Flask Volumetric 5000 ml	1.20	34/35	2

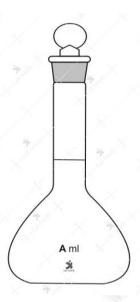
Note: \*1ml. and 2 ml. Volumetric Flasks are of Test Tube shape.

\*\* 5 ml. and 10ml. sizes are Trapezoidal Shape Volumetric Flasks.



### 3.4 Flasks Volumetric (Measuring), Wide Mouth with interchangeable Glass Stopper, Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass.
- Wide Mouth with interchangeable Glass Stopper,
- Accuracy as per Class 'A' with works certificate.

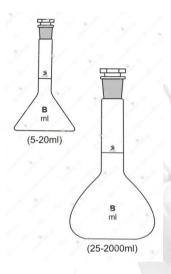


Cat. No.	at. No. Specifications		Stopper size	Minimum Qty./Pack
21300/1	Flask Volumetric 25 ml	0.04	14/15	2
21300/2	Flask Volumetric 50 ml	0.06	14/15	2
21300/3	Flask Volumetric 100 ml	0.10	19/20	2
21300/4	Flask Volumetric 200 ml	0.15	19/20	2



### 3.5 Flasks Volumetric (Measuring), with interchangeable Glass Stopper, Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- with interchangeable Glass Stopper,
- Accuracy as per Class 'B'.



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Tolerance ±ml.	Stopper Size	Minimum Qty/Pack	
21400/1	Flask Volumetric *1 ml	0.05	10/15	2	
21400/2	Flask Volumetric *2 ml	0.05	10/15	2	
21400/3	Flask Volumetric **5 ml	0.05	10/15	2	
21400/4	Flask Volumetric **10 ml	0.05	10/15	2	
21400/5-1	Flask Volumetric **20 ml	ask Volumetric **20 ml 0.08 10/15		2	
21400/5	Flask Volumetric 25 ml	lask Volumetric 25 ml 0.08 10/15		2	
21400/6	Flask Volumetric 50 ml	0.12	10/15	2	
21400/7	Flask Volumetric 100 ml	0.2	14/15	2	
21400/8	Flask Volumetric 200 ml	0.3	14/15	2	
21400/9	Flask Volumetric 250 ml	0.3	14/15	2	
21400/10	<b>400/10</b> Flask Volumetric 500 ml 0.5		19/20	2	
21400/11	Flask Volumetric 1000 ml	0.8	19/20	2	
21400/12	Flask Volumetric 2000 ml	1.2	24/25	2	

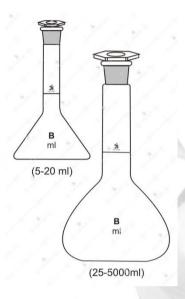
Note: \*1ml. and 2 ml. Volumetric Flasks are of Test Tube shape.

<sup>\*\* 5</sup> ml. and 10ml. sizes are Trapezoidal Shape Volumetric Flasks.



### 3.6 Flask Volumetric (Measuring), with Interchangeable PP Stopper, Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- With Interchangeable PP Stopper, Accuracy as per Class 'B'.



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Tolerance ±ml	Stopper Size	Minimum Qty/Pack
21500/1	Flask Volumetric *1 ml		10/15	2
21500/2	Flask Volumetric *2 ml	0.05	10/15	2
21500/3	Flask Volumetric 5 ml	0.05	10/15	2
21500/4	Flask Volumetric 10 ml	0.05	10/15	2
21500/5-1	Flask Volumetric 20 ml	olumetric 20 ml 0.08 10/15		2
21500/5	Flask Volumetric 25 ml	0.08	10/15	2
21500/6	Flask Volumetric 50 ml	0.12 10/15		2
21500/7	Flask Volumetric 100 ml	0.2	14/15	2
21500/8	Flask Volumetric 200 ml	0.3 14/15		2
21500/9	Flask Volumetric 250 ml	0.3	14/15	2
21500/10	Flask Volumetric 500 ml 0.5 19/2		19/20	2
21500/11	Flask Volumetric 1000 ml	0.8	19/20	2
21500/12	Flask Volumetric 2000 ml	1.2	24/25	2

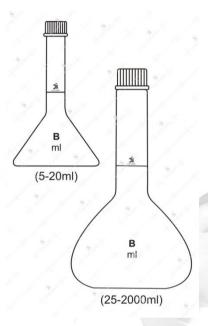
Note: \*1ml. and 2 ml. Volumetric Flasks are of Test Tube shape.

<sup>\*\* 5</sup> ml. and 10ml. sizes are Trapezoidal Shape Volumetric Flasks.



#### 3.7 Flasks Volumetric (Measuring), with screw cap, Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- With screw cap, Accuracy as per Class 'B'.



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Tolerance ±ml.	Screw Cap Size	Minimum Qty/pack	
21600/1	Flask Volumetric *1 ml	0.05	13	2	
21600/2	Flask Volumetric *2 ml	0.05.	13	2	
21600/3	Flask Volumetric **5 ml	0.05	13	2	
21600/4	Flask Volumetric **10 ml	0.05	13	2	
21600/5	Flask Volumetric 25 ml	0.08	18	2	
21600/6	Flask Volumetric 50 ml	0.12	18	2	
21600/7	Flask Volumetric 100 ml	0.2	18	2	
21600/8	Flask Volumetric 200 ml	0.3	18	2	
21600/9	Flask Volumetric 250 ml	0.3	18	2	
21600/10	Flask Volumetric 500 ml	0.5	0.5 24		
21600/11	Flask Volumetric 1000 ml	0.8	24	2	
21600/12	Flask Volumetric 2000 ml	1.2	28	2	

Note: \*1ml. and 2 ml. Volumetric Flasks are of Test Tube shape.

<sup>\*\* 5</sup> ml, 10ml. and 20ml. sizes are Trapezoidal Shape Volumetric Flasks.



### 3.8 Flasks Volumetric, Sugar Estimation with two marks without stopper, Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass.
- Sugar Estimation with two marks without stopper,
- Accuracy as per Class 'A' with works certificate.

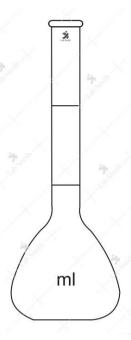


Cat. No		Capacity ml.	Minimum Qty/Pack
21700/1	Marked at	Flasks Volumetric 50ml and 55ml	2
21700/2	do	Flasks Volumetric 100ml and 110ml	2
21700/3	do	Flasks Volumetric 200ml and 220ml	2



#### 3.9 Flasks Volumetric, Sugar Estimation, with two marks without stopper.

- Made of Heat Resistant Borosilicate Glass.
- Sugar Estimation, with two marks without stopper.

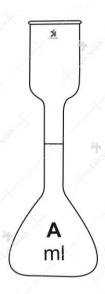


Cat. No		Capacity ml	Minimum Qty/Pack	
21800/1	Marked at	Flasks Volumetric 50ml and 55ml	2	
21800/2	do	Flasks Volumetric 100ml and 110ml	2	
21800/3	do	Flasks Volumetric 200ml and 220ml	2	



### 3.10 Kohlraush Flasks (Mud Flask), with cup at top, Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass.
- With cup at top,
- Accuracy as per Class 'A' with works certificate.

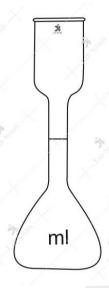


Cat. No.	Capacity ml	Minimum Qty/Pack
21900/1	Flasks Volumetric 50ml	2
21900/2	Flasks Volumetric 100ml	2
21900/3	Flasks Volumetric 200ml	2



#### 3.11 Kohlraush Flasks (mud Flask), with cup at top.

- Made of Heat Resistant Borosilicate Glass.
- With cup at top.

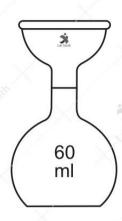


Cat. No	Capacity ml	Minimum Qty/Pack
30000/1	Flasks Volumetric 50ml	2
30000/2	Flasks Volumetric 100ml	2
30000/3	Flasks Volumetric 200ml	2



#### 3.12 Saybolt Viscosity Flask.

• Made of Heat Resistant Borosilicate Glass.

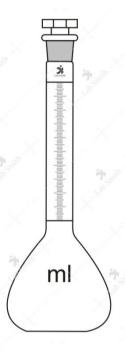


Cat. No.	Capacity ml.	Height mm.	Minimum Qty/Pack
30100/1	Saybolt Viscosity Flask 60ml	85	2



#### 3.13 Cassia Flask, with graduated long neck.

- Made of Heat Resistant Borosilicate Glass.
- With graduated long neck.

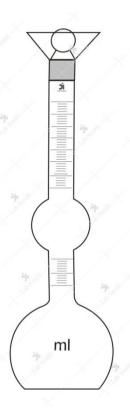


Cat. No.	Capacity ml	Minimum Qty/Pack
30200/1	Cassia Flask 100ml	2



#### 3.14 Lechatelier Flask for Sp. GR. Test

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information with Specifications:**

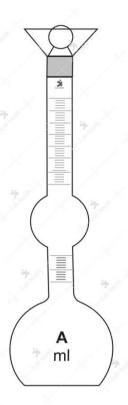
#### Cat. No. 30300

- Bulb Capacity: approx. 250ml.
- Neck graduation from 0 ml to 1ml. and 18 to 24ml. in 0.1 ml.
- Minimum Qty/Pack- 01



#### 3.15 Lechatelier Flask for Sp. GR. Test, Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass.
- Accuracy as per Class 'A' with works certificate.



#### **Ordering Information with Specifications:**

#### Cat. No. 30400

- Bulb Capacity: approx. 250ml.
- Neck graduation from 0 ml to 1ml. and 18 to 24ml. in 0.1 ml.
- Minimum Qty/Pack- 01



#### 3.16 Flask Sulphonation, with neck graduated.

- Made of Heat Resistant Borosilicate Glass.
- With neck graduated.



#### **Ordering Information with Specifications:**

#### Cat. No. 30500

- Neck Graduated 0 to 10 ml. and figured 0 to 100% for determination of olefin plus aromatic content.
- Minimum Qty/Pack- 01

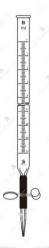


#### 4. BURETTE BOROSILICATE GLASS

A burette (also buret) is a device used in analytical chemistry for the dispensing of variable, measured amounts of a chemical solution. A volumetric burette delivers measured volumes of liquid. A traditional burette consists of glass tube of constant bore with a graduation scale etched on it and a stopcock at the bottom. The barrel of the stopcock may be made of glass or the plastic PTFE. Stopcocks with glass barrels need to be lubricated with vaseline or a specialized grease. Burettes are manufactured to specified tolerances, designated as class A or B and this also is etched on the glass.

#### 4.1 Burette with Pinch cock, Rubber Tubing and Glass Jet. Accuracy as per class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- With Pinch cock, Rubber Tubing and Glass Jet.
- Accuracy as per class 'B'.



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div.	Tolerance ±ml	Minimum Qty/Pack
10650/1	Burette Pinch Cock **10 ml	0.05	0.05	6
10650/2	Burette Pinch Cock 25 ml	0.1	0.1	6
10650/3	Burette Pinch Cock 50 ml	0.1	0.1	6
10650/4	Burette Pinch Cock 100 ml	0.2	0.2	6

Note: \*\* With Cup Top.



### 4.2 Burette with Straight Bore Glass Key Stopcock. Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass.
- With Straight Bore Glass Key Stopcock.
- Accuracy as per Class 'A' with works certificate.



Cat. No.	Specifications	Sub. Div.	Tolerance ±ml	Minimum Qty/Pack
10660/1	Burette Straight Bore**1 ml	0.01	0.006	2
10660/2	Burette Straight Bore **2 ml	0.01	0.01	2
10660/3	Burette Straight Bore **5 ml	0.02	0.01	2
10660/4	Burette Straight Bore **10 ml	0.05	0.03	2
10660/4A	Burette Straight Bore **10 ml	0.02	0.02	1
10660/5	Burette Straight Bore 25 ml	0.1	0.05	2
10660/5A	Burette Straight Bore 25 ml	0.05	0.03	1
10660/6	Burette Straight Bore 50 ml	0.1	0.05	2
10660/7	Burette Straight Bore 100 ml	0.2	0.1	2

<sup>\*\*</sup> With Cup



### 4.3 Burette with Straight Bore Glass Key Stopcock. Accuracy as per Class 'A' with works certificate (Amber).

- Made of Heat Resistant Borosilicate Glass.
- With Straight Bore Glass Key Stopcock.
- Accuracy as per Class 'A' with works certificate (Amber).



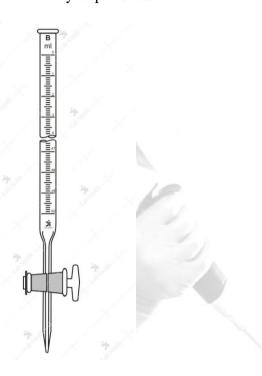
Cat. No.	Specifications	Sub. Div.	Tolerance ±ml	Minimum Qty/Pack
10660A/1	Burette Straight Bore**1 ml	0.01	0.006	2
10660A/2	Burette Straight Bore **2 ml	0.01	0.01	2
10660A/3	Burette Straight Bore **5 ml	0.02	0.01	2
10660A/4	Burette Straight Bore **10 ml	0.05	0.03	2
10660A/4A	Burette Straight Bore **10 ml	0.02	0.02	1
10660A/5	Burette Straight Bore 25 ml	0.1	0.05	2
10660A/5A	Burette Straight Bore 25 ml	0.05	0.03	1
10660A/6	Burette Straight Bore 50 ml	0.1	0.05	2
10660A/7	Burette Straight Bore 100 ml	0.2	0.1	2

<sup>\*\*</sup> With Cup Top



#### 4.4 Burette with Straight Bore Glass Key Stopcock. Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- With Straight Bore Glass Key Stopcock.
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10670/1	Burette Straight Bore **1ml	0.01	0.01	6
10670/2	Burette Straight Bore **2 ml	0.01	0.02	6
10670/3	Burette Straight Bore **5 ml	0.02	0.02	6
10670/4	Burette Straight Bore **10 ml	0.05	0.05	6
10670/5	Burette Straight Bore 25 ml	0.1	0.1	10
10670/6	Burette Straight Bore 50 ml	0.1	0.1	10
10670/7	Burette Straight Bore 100 ml	0.2	0.2	6

<sup>\*\*</sup> With Cup Top.



#### 4.5 Burette with Straight Bore Glass Key Stopcock. Accuracy as per Class 'B' (Amber)

- Made of Heat Resistant Borosilicate Glass
- With Straight Bore Glass Key Stopcock.
- Accuracy as per Class 'B' (Amber)



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10670A/1	Burette Straight Bore **1ml	0.01	0.01	6
10670A/2	Burette Straight Bore **2 ml	0.01	0.02	6
10670A/3	Burette Straight Bore **5 ml	0.02	0.02	6
10670A/4	Burette Straight Bore **10 ml	0.05	0.05	6
10670A/5	Burette Straight Bore 25 ml	0.1	0.1	10
10670A/6	Burette Straight Bore 50 ml	0.1	0.1	10
10670A/7	Burette Straight Bore 100 ml	0.2	0.2	6

<sup>\*\*</sup> With Cup Top.



## 4.6 Burettes with Screw Type PTFE Key Rotaflow Stopcock, Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass
- With Screw Type PTFE Key Rotaflow Stopcock,
- Accuracy as per Class 'A' with works certificate.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack			
10680/1	Burette Rotaflow**1 ml	0.01	0.006	2			
10680/2	Burette Rotaflow**2 ml	0.01	0.01	2			
10680/3	Burette Rotaflow **5 ml	0.02	0.01	2			
10680/4	Burette Rotaflow **10 ml	0.05	0.03	2			
10680/4A	Burette Rotaflow **10 ml	0.02	0.02	1			
10680/5	Burette Rotaflow 25 ml	0.1	0.05	2			
10680/5A	Burette Rotaflow 25 ml	0.05	0.03	1			
10680/6	Burette Rotaflow 50 ml	0.1	0.05	2			
10680/7	Burette Rotaflow 100 ml	0.2	0.1	2			

<sup>\*\*</sup> With Cup Top.



## 4.7 Burette with Screw Type PTFE Key Rotaflow Stopcock, Accuracy as per Class 'A' with works certificate (Amber)

- Made of Heat Resistant Borosilicate Glass
- Burette with Screw Type PTFE Key Rotaflow Stopcock,
- Accuracy as per Class 'A' with works certificate (Amber)



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10680A/1	Burette Rotaflow**1 ml	0.01	0.006	2
10680A/2	Burette Rotaflow**2 ml	0.01	0.01	2
10680A/3	Burette Rotaflow **5 ml	0.02	0.01	2
10680A/4	Burette Rotaflow **10 ml	0.05	0.03	2
10680A/4A	Burette Rotaflow **10 ml	0.02	0.02	1
10680A/5	Burette Rotaflow 25 ml	0.1	0.05	2
10680A/5A	Burette Rotaflow 25 ml	0.05	0.03	1
10680A/6	Burette Rotaflow 50 ml	0.1	0.05	2
10680A/7	Burette Rotaflow 100 ml	0.2	0.1	2

<sup>\*\*</sup> With Cup Top.



### 4.8 Burettes with screw Type PTFE Key Rotaflow Stopcock, Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- with screw Type PTFE Key Rotaflow Stopcock,
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack	
10700/1	Burette Rotaflow **1 ml	0.01	0.01	6	
10700/2	Burette Rotaflow **2 ml	0.01	0.02	6	
10700/3	Burette Rotaflow **5 ml	0.02	0.02	6	
10700/4	Burette Rotaflow **10 ml	0.05	0.05	6	
10700/5	Burette Rotaflow 25 ml	0.1	0.1	10	
10700/6	Burette Rotaflow 50 ml	0.1	0.1	10	
10700/7	Burette Rotaflow 100 ml	0.2	0.2	6	

<sup>\*\*</sup> With Cup Top.



# 4.9 Burettes with screw Type PTFE Key Rotaflow Stopcock, Accuracy as per Class 'B' (Amber)

- Made of Heat Resistant Borosilicate Glass
- With screw Type PTFE Key Rotaflow Stopcock,
- Accuracy as per Class 'B' (Amber)



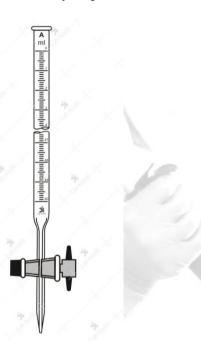
Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/pack
10700A/1	Burette Rotaflow **1 ml	0.01	0.01	6
10700A/2	Burette Rotaflow **2 ml	0.01	0.02	6
10700A/3	Burette Rotaflow **5 ml	0.02	0.02	6
10700A/4	Burette Rotaflow **10 ml	0.05	0.05	6
10700A/5	Burette Rotaflow 25 ml	0.1	0.1	10
10700A/6	Burette Rotaflow 50 ml	0.1	0.1	10
10700A/7	Burette Rotaflow 100 ml	0.2	0.2	6

<sup>\*\*</sup> With Cup Top.



## 4.10 Burettes with Straight Bore PTFE Key Stopcock. Accuracy as per Class 'A' with works certificate.

- Made of Heat Resistant Borosilicate Glass.
- With Straight Bore PTFE Key Stopcock.
- Accuracy as per Class 'A' with works certificate.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/pack
10720/1	Burette Rotaflow **1 ml	0.01	0.006	2
10720/2	Burette Rotaflow **2 ml	0.01	0.01	2
10720/3	Burette Rotaflow **5 ml	0.02	0.01	2
10720/4	Burette Rotaflow **10 ml	0.05	0.03	2
10720/4A	Burette Rotaflow **10 ml	0.02	0.02	1
10720/5	Burette Rotaflow 25 ml	0.1	0.05	2
10720/5A	Burette Rotaflow 25 ml	0.05	0.03	1
10720/6	Burette Rotaflow 50 ml	0.1	0.05	2
10720/7	Burette Rotaflow 100 ml	0.2	0.1	2

<sup>\*\*</sup> With Cup Top



## 4.11 Burettes with Straight Bore PTFE Key Stopcock. Accuracy as per Class 'A' with works certificate (Amber)

- Made of Heat Resistant Borosilicate Glass
- With Straight Bore PTFE Key Stopcock.
- Accuracy as per Class 'A' with works certificate (Amber)



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/pack
10720A/1	Burette Rotaflow **1 ml	0.01	0.006	2
10720A/2	Burette Rotaflow **2 ml	0.01	0.01	2
10720A/3	Burette Rotaflow **5 ml	0.02	0.01	2
10720A/4	Burette Rotaflow **10 ml	0.05	0.03	2
10720A/4A	Burette Rotaflow **10 ml	0.02	0.02	1
10720A/5	Burette Rotaflow 25 ml	0.1	0.05	2
10720A/5A	Burette Rotaflow 25 ml	0.05	0.03	1
10720A/6	Burette Rotaflow 50 ml	0.1	0.05	2
10720A/7	Burette Rotaflow 100 ml	0.2	0.1	2

<sup>\*\*</sup> With Cup Top



### 4.12 Burette with Straight Bore PTFE Key Stopcock. Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- With Straight Bore PTFE Key Stopcock.
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10730/1	Burette Straight Bore**1 ml	0.01	0.01	2
10730/2	Burette Straight Bore **2 ml	0.01	0.02	2
10730/3	Burette Straight Bore **5 ml	0.02	0.02	2
10730/4	Burette Straight Bore **10 ml	0.05	0.05	2
10730/5	Burette Straight Bore 25 ml	0.1	0.1	2
10730/6	Burette Straight Bore 50 ml	0.1	0.1	2
10730/7	Burette Straight Bore 100 ml	0.2	0.2	2

<sup>\*\*</sup> With cup top



### 4.13 Burette with Straight Bore PTFE Key Stopcock. Accuracy as per Class 'B'. (Amber)

- Made of Heat Resistant Borosilicate Glass.
- Burette with Straight Bore PTFE Key Stopcock.
- Accuracy as per Class 'B'. (Amber)



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10730A/1	Burette Straight Bore**1 ml	0.01	0.01	2
10730A/2	Burette Straight Bore **2 ml	0.01	0.02	2
10730A/3	Burette Straight Bore **5 ml	0.02	0.02	2
10730A/4	Burette Straight Bore **10 ml	0.05	0.05	2
10730A/5	Burette Straight Bore 25 ml	0.1	0.1	2
10730A/6	Burette Straight Bore 50 ml	0.1	0.1	2
10730A/7	Burette Straight Bore 100 ml	0.2	0.2	2

<sup>\*\*</sup> With cup top



## <u>4.14 Burette, Double Oblique Bore Glass Key Stopcock, 3-way. Accuracy as per class 'A' with works Certificate</u>

- Made of Heat Resistant Borosilicate Glass
- Double Oblique Bore Glass Key Stopcock, 3-way.
- Accuracy as per class 'A' with works Certificate

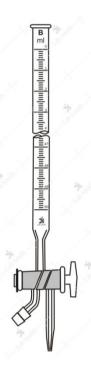


Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10740/1	Burette Double Oblique Bore 10 ml	0.05	0.02	1
10740/2	Burette Double Oblique Bore 25 ml	0.1	0.05	1
10740/3	Burette Double Oblique Bore 50 ml	0.1	0.05	1
10740/4	Burette Double Oblique Bore 100 ml	0.2	0.01	1



### 4.15 Burette, Double Oblique Bore Glass Key Stopcock, 3-way. Accuracy as per class 'B'

- Made of Heat Resistant Borosilicate Glass
- Double Oblique Bore Glass Key Stopcock, 3-way.
- Accuracy as per class 'B'

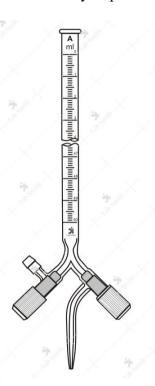


Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10750/1	Burette Double Oblique Bore 10 ml	0.05	0.05	1
10750/2	Burette Double Oblique Bore 25 ml	0.1	0.1	1
10750/3	Burette Double Oblique Bore 50 ml	0.1	0.1	1
10750/4	Burette Double Oblique Bore 100 ml	0.2	0.2	1



## 4.16 Burette, Three Way Bore Screw type PTFE Needle Valve Stopcock. Accuracy as per class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Three Way Bore Screw type PTFE Needle Valve Stopcock.
- Accuracy as per class 'A' with works certificate



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10760/1	Burette Three Way Bore 10 ml	0.05	0.02	1
10760/2	Burette Three Way Bore 25 ml	0.1	0.05	1
10760/3	Burette Three Way Bore 50 ml	0.1	0.05	1
10760/4	Burette Three Way Bore 100 ml	0.2	0.1	1



## 4.17 Burette, Three Way Bore Screw type PTFE Needle Valve Stopcock. Accuracy as per class 'B'

- Made of Heat Resistant Borosilicate Glass
- Three Way Bore Screw type PTFE Needle Valve Stopcock.
- Accuracy as per class 'B'



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10770/1	Burette Three Way Bore 10 ml	0.05	0.05	1
10770/2	Burette Three Way Bore 25 ml	0.1	0.1	1
10770/3	Burette Three Way Bore 50 ml	0.1	0.1	1
10770/4	Burette Three Way Bore 100 ml	0.2	0.2	1



## 4.18 Burette, Double Oblique Bore PTFE Key Stopcock, 3-way. Accuracy as per class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Double Oblique Bore PTFE Key Stopcock, 3-way.
- Accuracy as per class 'A' with works certificate



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10780/1	Burette Double Oblique Bore 10 ml	0.05	0.02	1
10780/2	Burette Double Oblique Bore 25 ml	0.1	0.05	1
10780/3	Burette Double Oblique Bore 50 ml	0.1	0.05	1
10780/4	Burette Double Oblique Bore 100 ml	0.2	0.1	1



## 4.19 Burette, Over Flow Cup, Automatic Zero, Double Oblique Bore Glass Key Stopcock, 3-way. Accuracy as per class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Over Flow Cup, Automatic Zero, Double Oblique Bore Glass Key Stopcock, 3-way.
- Accuracy as per class 'A' with works certificate



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10790/1	Burette Over Flow Cup 10 ml	0.05	0.02	1
10790/2	Burette Over Flow Cup 25 ml	0.1	0.05	1
10790/3	Burette Over Flow Cup 50 ml	0.1	0.05	1
10790/4	Burette Over Flow Cup 100 ml	0.2	0.1	1



## 4.20 Burette, Over Flow Cup, Automatic Zero, Double Oblique Bore Glass Key Stopcock, 3-way. Accuracy as per class 'B'

- Made of Heat Resistant Borosilicate Glass
- Over Flow Cup, Automatic Zero, Double Oblique Bore Glass Key Stopcock, 3-way.
- Accuracy as per class 'B'



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10800/1	Burette Over Flow Cup 10 ml	0.05	0.05	1
10800/2	Burette Over Flow Cup 25 ml	0.1	0.1	1
10800/3	Burette Over Flow Cup 50 ml	0.1	0.1	1
10800/4	Burette Over Flow Cup 100 ml	0.2	0.2	1



## 4.21 Burette, Over Flow Cup, Automatic Zero, 3 ways Screw type PTFE Needle Valve Stopcock. Accuracy as per class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Over Flow Cup, Automatic Zero, 3 ways Screw type PTFE Needle Valve Stopcock.
- Accuracy as per class 'A' with works certificate



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10810/1	Burette Over Flow Cup 10 ml	0.05	0.02	1
10810/2	Burette Over Flow Cup 25 ml	0.1	0.05	1
10810/3	Burette Over Flow Cup 50 ml	0.1	0.05	1
10810/4	Burette Over Flow Cup 100 ml	0.2	0.1	1



## 4.22 Burette, Over Flow Cup, Automatic Zero, 3 ways Screw type PTFE Needle Valve Stopcock. Accuracy as per class 'B'

- Made of Heat Resistant Borosilicate Glass
- Over Flow Cup, Automatic Zero, 3 ways Screw type PTFE Needle Valve Stopcock.
- Accuracy as per class 'B'



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10820/1	Burette Over Flow Cup 10 ml	0.05	0.05	1
10820/2	Burette Over Flow Cup 25 ml	0.1	0.1	1
10820/3	Burette Over Flow Cup 50 ml	0.1	0.1	1
10820/4	Burette Over Flow Cup 100 ml	0.2	0.2	1



## 4.23 Burette, Over Flow Cup, Automatic Zero, Double Oblique Bore PTFE Key Stopcock, 3-way. Accuracy as per class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Over Flow Cup, Automatic Zero, Double Oblique Bore PTFE Key Stopcock, 3-way.
- Accuracy as per class 'A' with works certificate

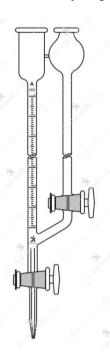


Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10830/1	Burette Over Flow Cup 10 ml	0.05	0.02	1
10830/2	Burette Over Flow Cup 25 ml	0.1	0.05	1
10830/3	Burette Over Flow Cup 50 ml	0.1	0.05	// 1
10830/4	Burette Over Flow Cup 100 ml	0.2	0.1	1



## 4.24 Burette, Micro, Automatic Filling Device with Reservoir. Accuracy as per Class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Micro, Automatic Filling Device with Reservoir.
- Accuracy as per Class 'A' with works certificate

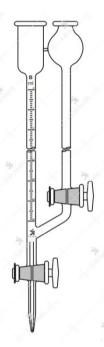


Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10840/1	Burette Micro 1 ml	0.01	0.006	1
10840/2	Burette Micro 2 ml	0.02	0.01	1
10840/3	Burette Micro 5 ml	0.02	0.01	1
10840/4	Burette Micro 10 ml	0.05	0.02	1



#### 4.25 Burette, Micro, Automatic Filling Device with Reservoir. Accuracy as per Class 'B'

- Made of Heat Resistant Borosilicate Glass
- Micro, Automatic Filling Device with Reservoir.
- Accuracy as per Class 'B'

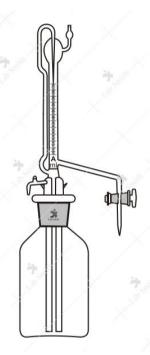


Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10850/1	Burette Micro 1 ml	0.01	0.01	1
10850/2	Burette Micro 2 ml	0.02	0.02	1
10850/3	Burette Micro 5 ml	0.02	0.02	1
10850/4	Burette Micro 10 ml	0.05	0.05	1



## 4.26 Burette, Automatic Zero Glass Key Stopcock, Mounted on Reservoir, with Rubber bellow. Accuracy as per Class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Automatic Zero Glass Key Stopcock, Mounted on Reservoir, with Rubber bellow.
- Accuracy as per Class 'A' with works certificate



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div.	Tolerance ±ml.	Minimum Qty/Pack	
10860/1	Burette Automatic Zero 10 ml	0.05	0.02	1	
10860/2	Burette Automatic Zero 25 ml	0.1	0.05	1	
10860/3	Burette Automatic Zero 50 ml	0.1	0.05	1	
10860/4	Burette Automatic Zero 100 ml	0.2	0.1	1	



## 4.27 Burette, Automatic Zero Glass Key Stopcock, Mounted on Reservoir, with Rubber bellow. Accuracy as per Class 'A' with works certificate (Amber)

- Made of Heat Resistant Borosilicate Glass
- Automatic Zero Glass Key Stopcock, Mounted on Reservoir, with Rubber bellow.
- Accuracy as per Class 'A' with works certificate (Amber)



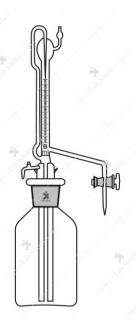
### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10860A/1	Burette Automatic Zero 10 ml	0.05	0.02	1
10860A/2	Burette Automatic Zero 25 ml	0.1	0.05	1
10860A/3	Burette Automatic Zero 50 ml	0.1	0.05	1
10860A/4	Burette Automatic Zero 100 ml	0.2	0.1	1



### 4.28 Burette, Automatic Zero Glass Key Stopcock, Mounted on Reservoir, with Rubber bellow. Accuracy as per Class 'B'

- Made of Heat Resistant Borosilicate Glass
- Automatic Zero Glass Key Stopcock, Mounted on Reservoir, with Rubber bellow.
- Accuracy as per Class 'B'



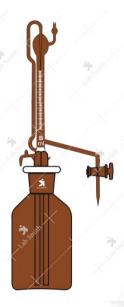
#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10870/1	Burette Automatic Zero 10 ml	0.05	0.05	1
10870/2	Burette Automatic Zero 25 ml	0.1	0.1	1
10870/3	Burette Automatic Zero 50 ml	0.1	0.1	1
10870/4	Burette Automatic Zero 100 ml	0.2	0.2	1



## 4.29 Burette, Automatic Zero Glass Key Stopcock, Mounted on Reservoir, with Rubber bellow. Accuracy as per Class 'B' (Amber)

- Made of Heat Resistant Borosilicate Glass
- Automatic Zero Glass Key Stopcock, Mounted on Reservoir, with Rubber bellow.
- Accuracy as per Class 'B' (Amber)



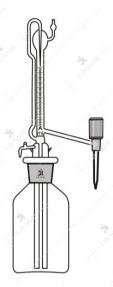
### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10870A/1	Burette Automatic Zero 10 ml	0.05	0.05	1
10870A/2	Burette Automatic Zero 25 ml	0.1	0.1	1
10870A/3	Burette Automatic Zero 50 ml	0.1	0.1	1
10870A/4	Burette Automatic Zero 100 ml	0.2	0.2	1



## 4.30 Burette, Automatic Zero Screw type PTFE Needle Valve Stopcock, Mounted on Reservoir, Rubber bellow. Accuracy as per Class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Automatic Zero Screw type PTFE Needle Valve Stopcock, Mounted on Reservoir, Rubber bellow.
- Accuracy as per Class 'A' with works certificate



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10880/1	Burette Automatic Zero Screw type PTFE 10 ml	0.05	0.02	1
10880/2	Burette Automatic Zero Screw type PTFE 25 ml	0.1	0.05	1
10880/3	Burette Automatic Zero Screw type PTFE 50 ml	0.1	0.05	1
10880/4	Burette Automatic Zero Screw type PTFE 100 ml	0.2	0.1	1



## 4.31 Burette, Automatic Zero Screw type PTFE Needle Valve Stopcock, Mounted on Reservoir, Rubber bellow. Accuracy as per Class 'B'

- Made of Heat Resistant Borosilicate Glass
- Automatic Zero Screw type PTFE Needle Valve Stopcock, Mounted on Reservoir, Rubber bellow.
- Accuracy as per Class 'B'



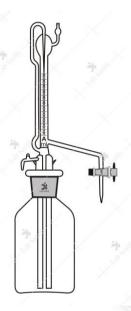
#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10890/1	Burette Automatic Zero Screw type PTFE 10 ml	0.05	0.05	1
10890/2	Burette Automatic Zero Screw type PTFE 25 ml	0.1	0.1	1
10890/3	Burette Automatic Zero Screw type PTFE 50 ml	0.1	0.1	1
10890/4	Burette Automatic Zero Screw type PTFE 100 ml	0.2	0.2	1



## 4.32 Burette, Automatic Zero with PTFE Key Stopcock, Mounted on Reservoir, Rubber bellow. Accuracy as per Class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Automatic Zero with PTFE Key Stopcock, Mounted on Reservoir, Rubber bellow.
- Accuracy as per Class 'A' with works certificate



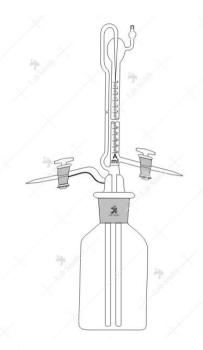
#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10900/1	Burette Automatic Zero with PTFE Stopcock 10 ml	0.05	0.02	1
10900/2	Burette Automatic Zero with PTFE Stopcock 25 ml	0.1	0.05	1
10900/3	Burette Automatic Zero with PTFE Stopcock 50 ml	0.1	0.05	1
10900/4	Burette Automatic Zero with PTFE Stopcock 100 ml	0.2	0.1	1



## 4.33 Burette, Automatic Zero with PTFE Key Stopcock, For Karl Fisher Apparatus, Mounted on Reservoir, Rubber bellow. Accuracy as per Class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- Automatic Zero with PTFE Key Stopcock, For Karl Fisher Apparatus, Mounted on Reservoir, Rubber bellow.
- Accuracy as per Class 'A' with works certificate



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
10910/1	Burette Automatic Zero for Karl Fisher Apparatus 10 ml	0.05	0.02	1
10910/2	Burette Automatic Zero for Karl Fisher Apparatus 25 ml	0.1	0.05	1/4

Note: Reservoir Capacity 500ml



### 5. PIPETTE BOROSILICATE GLASS

A pipette (sometimes spelled pipet) or dropper is a laboratory tool commonly used in chemistry, biology and medicine to transport a measured volume of liquid, often as a media dispenser. Further, it is an instrument used to dispense liquids generally in Chemistry Labs. Standard pipettors are usually rubber bulbs or other mechanisms that are manually operated.

## <u>5.1 Pipettes Transfer, Volumetric, with one mark. Accuracy as per Class 'A' with works certificate. Supplied with Colour Code.</u>

- Made of Heat Resistant Borosilicate Glass.
- Volumetric, with one mark.
- Accuracy as per Class 'A' with works certificate.
- Supplied with Colour Code.



Cat. No.	Specifications	Tolerance ±ml.	Minimum Qty/Pack
11610/1	Volumetric Pipette 1ml	0.006	10
11610/2	Volumetric Pipette 2ml	0.01	10
11610/2A	Volumetric Pipette *3ml	0.01	10
11610/2B	Volumetric Pipette *4ml	0.01	10
11610/3	Volumetric Pipette 5ml	0.015	10
11610/3A	Volumetric Pipette *6 ml	0.015	10



Cat. No.	Specifications	Tolerance ±ml.	Minimum Qty/Pack
11610/3B	Volumetric Pipette *7 ml	0.015	10
11610/3C	Volumetric Pipette *8 ml	0.02	10
11610/3D	Volumetric Pipette *9 ml	0.02	10
11610/4	Volumetric Pipette 10 ml	0.02	10
11610/4A	Volumetric Pipette *15 ml	0.02	10
11610/5	Volumetric Pipette 20ml	0.03	10
11610/6	Volumetric Pipette 25ml	0.03	10
11610/7	Volumetric Pipette 50ml	0.05	10
11610/8	Volumetric Pipette 100ml	0.08	10

Note: \* Not covered under IS

## 5.2 Pipettes Transfer, Volumetric, with one mark. Accuracy as per Class 'A' with works certificate (Amber). Supplied with Colour Code.

- Made of Heat Resistant Borosilicate Glass.
- Volumetric, with one mark.
- Accuracy as per Class 'A' with works certificate (Amber).
- Supplied with Colour Code.



### **Ordering Information with Specifications:**

Cat. No.	Specifications	Tolerance ±ml.	Minimum Qty/Pack
11610A/1	Volumetric Pipette 1ml	0.006	10
11610A/2	Volumetric Pipette 2ml	0.01	10
11610A/2A	Volumetric Pipette *3ml	0.01	10
11610A/2B	Volumetric Pipette *4ml	0.01	10
11610A/3	Volumetric Pipette 5ml	0.015	10
11610A/3A	Volumetric Pipette *6 ml	0.015	10
11610A/3B	Volumetric Pipette *7 ml	0.015	10
11610A/3C	Volumetric Pipette *8 ml	0.02	10
11610A/3D	Volumetric Pipette *9 ml	0.02	10
11610A/4	Volumetric Pipette 10 ml	0.02	10
11610A/4A	Volumetric Pipette *15 ml	0.02	10
11610A/5	Volumetric Pipette 20ml	0.03	10
11610A/6	Volumetric Pipette 25ml	0.03	10
11610A/7	Volumetric Pipette 50ml	0.05	10
11610A/8	Volumetric Pipette 100ml	0.08	10

Note: \* Not covered under IS



### 5.3 Pipettes Transfer, Volumetric, with one mark. Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass
- Volumetric, with one mark.
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Tolerance ±ml.	Minimum Qty/Pack
11630/1	Volumetric Pipette 1ml	0.015	10
11630/2	Volumetric Pipette 2ml	0.02	10
11630/3	Volumetric Pipette 5ml	0.03	10
11630/4	Volumetric Pipette 10ml	0.04	10
11630/5	Volumetric Pipette 20ml	0.06	10
11630/6	Volumetric Pipette 25ml	0.06	10
11630/7	Volumetric Pipette 50ml	0.1	10
11630/8	Volumetric Pipette 100ml	1.16	10



#### 5.4 Pipettes Transfer, Volumetric, with one mark. Accuracy as per Class 'B' (Amber)

- Made of Heat Resistant Borosilicate Glass
- Volumetric, with one mark.
- Accuracy as per Class 'B' (Amber)



Cat. No.	Specifications	Tolerance ±ml.	Minimum Qty/Pack
11630A/1	Volumetric Pipette 1ml	0.015	10
11630A/2	Volumetric Pipette 2ml	0.02	10
11630A/3	Volumetric Pipette 5ml	0.03	10
11630A/4	Volumetric Pipette 10ml	0.04	10
11630A/5	Volumetric Pipette 20ml	0.06	10
11630A/6	Volumetric Pipette 25ml	0.06	10
11630A/7	Volumetric Pipette 50ml	0.1	10
11630A/8	Volumetric Pipette 100ml	1.16	10



### <u>5.5 Pipettes, Measuring, Graduated, Serological, Accuracy as per Class 'A' with works certificate.</u>

- Made of Heat Resistant Borosilicate Glass
- Graduated, Serological,
- Accuracy as per Class 'A' with works certificate. Colour Coded.
- These pipettes are calibrated to deliver from any graduation line down to zero at the jet, with the last drop expelled by blowing.
- These Pipettes are graduated to tip and deliver their total capacity when last drop is blown out.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11650/1	Serological Pipette 0.1ml	0.01	0.006	10
11650/2	Serological Pipette 0.2ml	0.01	0.006	10
11650/3	Serological Pipette 0.5ml	0.02	0.006	10
11650/4	Serological Pipette 1ml	0.01	0.007	10
11650/5	Serological Pipette 1ml	0.1	0.007	10
11650/6	Serological Pipette 2ml	0.02	0.01	10
11650/7	Serological Pipette 2ml	0.1	0.01	10
11650/8	Serological Pipette 5ml	0.05	0.03	10
11650/9	Serological Pipette 5ml	0.1	0.03	10
11650/10	Serological Pipette 10ml	0.1	0.05	10
11650/11	Serological Pipette 25ml	0.2	0.1	10



## <u>5.6 Pipettes, Measuring, Graduated, Serological, Accuracy as per Class 'A' with works certificate. (Amber)</u>

- Made of Heat Resistant Borosilicate Glass (Amber)
- Graduated, Serological,
- Accuracy as per Class 'A' with works certificate. Colour Coded.
- These pipettes are calibrated to deliver from any graduation line down to zero at the jet, with the last drop expelled by blowing.
- These Pipettes are graduated to tip and deliver their total capacity when last drop is blown out.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11650A/1	Serological Pipette 0.01ml	0.01	0.006	10
11650A/2	Serological Pipette 0.2ml	0.01	0.006	10
11650A/3	Serological Pipette 0.5ml	0.02	0.006	10
11650A/4	Serological Pipette 1ml	0.01	0.007	10
11650A/5	Serological Pipette 1ml	0.1	0.007	10
11650A/6	Serological Pipette 2ml	0.02	0.01	10
11650A/7	Serological Pipette 2ml	0.1	0.01	10
11650A/8	Serological Pipette 5ml	0.05	0.03	10
11650A/9	Serological Pipette 5ml	0.1	0.03	10
11650A/10	Serological Pipette 10ml	0.1	0.05	10
11650A/11	Serological Pipette 25ml	0.2	0.1	10



### 5.7 Pipette, measuring, Graduated, Serological, Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass
- Graduated, Serological,
- Accuracy as per Class 'B'. Colour coded.
- These pipettes are calibrated to deliver from any graduation line down to zero at the jet, with the last drop expelled by blowing.
- These Pipettes are graduated to tip and deliver their total capacity when last drop is blown out.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11670/1	Serological Pipette 0.1ml	0.01	0.01	10
11670/2	Serological Pipette 0.2ml	0.01	0.01	10
11670/3	Serological Pipette 0.5ml	0.02	0.01	10
11670/4	Serological Pipette 1ml	0.01	0.01	10
11670/5	Serological Pipette 1ml	0.1	0.01	10
11670/6	Serological Pipette 2ml	0.02	0.02	10
11670/7	Serological Pipette 2ml	0.1	0.02	10
11670/8	Serological Pipette 5ml	0.05	0.05	10
11670/9	Serological Pipette 5ml	0.1	0.05	10
11670/10	Serological Pipette 10ml	0.1	0.1	10
11670/11	Serological Pipette 25ml	0.2	0.2	10



### <u>5.8 Pipettes, measuring, Graduated, Serological, Accuracy as per Class 'B' with works certificate. (Amber)</u>

- Made of Heat Resistant Borosilicate Glass (Amber)
- Graduated, Serological,
- Accuracy as per Class 'B' with works certificate. Colour Coded.
- These pipettes are calibrated to deliver from any graduation line down to zero at the jet, with the last drop expelled by blowing.
- These Pipettes are graduated to tip and deliver their total capacity when last drop is blown out.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11650A/1	Serological Pipette 0.01ml	0.01	0.006	10
11650A/2	Serological Pipette 0.2ml	0.01	0.006	10
11650A/3	Serological Pipette 0.5ml	0.02	0.006	10
11650A/4	Serological Pipette 1ml	0.01	0.007	10
11650A/5	Serological Pipette 1ml	0.1	0.007	10
11650A/6	Serological Pipette 2ml	0.02	0.01	10
11650A/7	Serological Pipette 2ml	0.1	0.01	10
11650A/8	Serological Pipette 5ml	0.05	0.03	10
11650A/9	Serological Pipette 5ml	0.1	0.03	10
11650A/10	Serological Pipette 10ml	0.1	0.05	10
11650A/11	Serological Pipette 25ml	0.2	0.1	10



### <u>5.9 Pipette, Measuring, Graduated, Mohr type, Accuracy as per Class 'A' with works certificate.</u>

- Made of Heat Resistant Borosilicate Glass
- Graduated, Mohr type,
- Accuracy as per Class 'A' with works certificate. Colour coded.
- These pipettes are graduated for the delivery from Zero mark at top to the last graduation mark



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11690/1	Mohr Pipette 0.1ml	0.01	0.006	10
11690/2	Mohr Pipette 0.2ml	0.01	0.006	10
11690/3	Mohr Pipette 0.5ml	0.02	0.006	10
11690/4	Mohr Pipette 1ml	0.01	0.007	10
11690/5	Mohr Pipette 1ml	0.1	0.007	10
11690/6	Mohr Pipette 2ml	0.02	0.01	10
11690/7	Mohr Pipette 2ml	0.1	0.01	10
11690/8	Mohr Pipette 5ml	0.05	0.03	10
11690/9	Mohr Pipette 5ml	0.1	0.03	10
11690/10	Mohr Pipette 10ml	0.1	0.05	10
11690/11	Mohr Pipette 25ml	0.2	0.1	10



### <u>5.10 Pipette, Measuring, Graduated, Mohr type, Accuracy as per Class 'A' with works certificate. (Amber)</u>

- Made of Heat Resistant Borosilicate Glass (Amber)
- Graduated, Mohr type,
- Accuracy as per Class 'A' with works certificate. Colour coded.
- These pipettes are graduated for the delivery from Zero mark at top to the last graduation mark



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11690A/1	Mohr Pipette 0.1ml	0.01	0.006	10
11690A/2	Mohr Pipette 0.2ml	0.01	0.006	10
11690A/3	Mohr Pipette 0.5ml	0.02	0.006	10
11690A/4	Mohr Pipette 1ml	0.01	0.007	10
11690A/5	Mohr Pipette 1ml	0.1	0.007	10
11690A/6	Mohr Pipette 2ml	0.02	0.01	10
11690A/7	Mohr Pipette 2ml	0.1	0.01	10
11690A/8	Mohr Pipette 5ml	0.05	0.03	10
11690A/9	Mohr Pipette 5ml	0.1	0.03	10
11690A/10	Mohr Pipette 10ml	0.1	0.05	10
11690A/11	Mohr Pipette 25ml	0.2	0.1	10



### 5.11 Pipette, Measuring, Graduated, Mohr type, Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass
- Graduated, Mohr type,
- Accuracy as per Class 'B'. Colour coded.
- These pipettes are graduated for the delivery from Zero mark at top to the last graduation mark.



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11710/1	Mohr Pipette 0.1ml	0.01	0.01	10
11710/2	Mohr Pipette 0.2ml	0.01	0.01	10
11710/3	Mohr Pipette 0.5ml	0.02	0.01	10
11710/4	Mohr Pipette 1ml	0.01	0.01	10
11710/5	Mohr Pipette 1ml	0.1	0.01	10
11710/6	Mohr Pipette 2ml	0.02	0.02	10
11710/7	Mohr Pipette 2ml	0.1	0.02	10
11710/8	Mohr Pipette 5ml	0.05	0.05	10
11710/9	Mohr Pipette 5ml	0.1	0.05	10
11710/10	Mohr Pipette 10ml	0.1	0.1	10
11710/11	Mohr Pipette 25ml	0.2	0.2	10



#### 5.12 Pipette, Measuring, Graduated, Mohr type, Accuracy as per Class 'B'. (Amber)

- Made of Heat Resistant Borosilicate Glass (Amber)
- Graduated, Mohr type, Accuracy as per Class 'B'. Colour coded.
- These pipettes are graduated for the delivery from Zero mark at top to the last graduation mark



Cat. No.	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11710A/1	Mohr Pipette 0.1ml	0.01	0.01	10
11710A/2	Mohr Pipette 0.2ml	0.01	0.01	10
11710A/3	Mohr Pipette 0.5ml	0.02	0.01	10
11710A/4	Mohr Pipette 1ml	0.01	0.01	10
11710A/5	Mohr Pipette 1ml	0.1	0.01	10
11710A/6	Mohr Pipette 2ml	0.02	0.02	10
11710A/7	Mohr Pipette 2ml	0.1	0.02	10
11710A/8	Mohr Pipette 5ml	0.05	0.05	10
11710A/9	Mohr Pipette 5ml	0.1	0.05	10
11710A/10	Mohr Pipette 10ml	0.1	0.1	10
11710A/11	Mohr Pipette 25ml	0.2	0.2	10



### 5.13 Automatic Pipette with Overflow Cup, Class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- With Overflow Cup,
- Class 'A' with works certificate



Cat. No.	Specifications	Tolerance ±ml	Minimum Qty/Pack
11720/1	Automatic Pipette 5ml	0.06	1
11720/2	Automatic Pipette 10ml	0.08	1
11720/3	Automatic Pipette 20ml	0.1	/ 1
11720/4	Automatic Pipette 25ml	0.12	1
11720/5	Automatic Pipette 50ml	0.15	1
11720/6	Automatic Pipette 100ml	0.25	1



### **5.14** Automatic Pipette with Overflow Cup

- Made of Heat Resistant Borosilicate Glass
- With Overflow Cup



Cat. No.	Specifications	Minimum Qty/Pack
11730/1	Automatic Pipette 5ml	1
11730/2	Automatic Pipette 10ml	1
11730/3	Automatic Pipette 20ml	1
11730/4	Automatic Pipette 25ml	1
11730/5	Automatic Pipette 50ml	1
11730/6	Automatic Pipette 100ml	1



#### 5.15 Pipette Automatic Quick Acting for rapid work of approximate accuracy (Tilt Measure)

- Made of Heat Resistant Borosilicate Glass
- Quick Acting for rapid work of approximate accuracy (Tilt Measure)
- Complete with Conical Flask, interchangeable joint fitting.

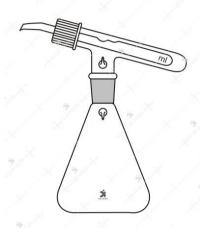


Cat. No	Specifications	Reservoir Cap. ml.	Minimum Qty/Pack
11740/1	Tilt Measure 1ml	100	2
11740/2	Tilt Measure 2ml	100	2
11740/3	Tilt Measure 5ml	250	2
11740/4	Tilt Measure 10ml	250	2
11740/5	Tilt Measure 20ml	500	2
11740/6	Tilt Measure 25ml	500	2



### 5.16 Pipette Automatic Quick Acting for rapid work of approximate accuracy (Tilt Measure)

- Made of Heat Resistant Borosilicate Glass
- Quick Acting for rapid work of approximate accuracy (Tilt Measure)
- Complete with Conical Flask and Screw Cap fitted replaceable head.



Cat. No	Specifications	Reservoir Cap. ml.	Minimum Qty/Pack
11750/1	Tilt Measure 5ml	250	2
11750/2	Tilt Measure 10ml	250	2
11750/3	Tilt Measure 20ml	500	2
11750/4	Tilt Measure 25ml	500	2



### 5.17 Pipette for Milk Testing 10.75 ml, as per class 'B'

- Made of Heat Resistant Borosilicate Glass
- For Milk Testing 10.75 ml,
- Accuracy as per class 'B'

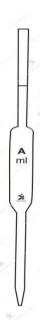


Cat. No.	Specifications	Minimum Qty/Pack
11760	Pipette for Milk Testing 10.75 ml, as per class 'B'	10



### 5.18 Pipette for Milk Testing 10.75 ml, as per class 'A' with works certificate

- Made of Heat Resistant Borosilicate Glass
- For Milk Testing 10.75 ml,
- Accuracy as per class 'A' with works certificate

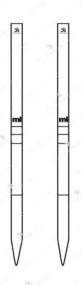


Cat. No.	Specifications	Minimum Qty/Pack
11770	Pipette for Milk Testing 10.75 ml, as per class 'A' with works certificate	10



### 5.19 Pipette for Milk Test, Bacteriological, Graduated

- Made of Heat Resistant Borosilicate Glass
- For Milk Test, Bacteriological, Graduated



Cat. No	Specifications	Sub. Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
11780/1	Pipette for Milk Test 1.1 ml	0.5, 1 & 1.1	0.025	10
11780/2	Pipette for Milk Test 2.2 ml	1.0, 2.0, 2.1 & 2.2	0.04	10



### 5.20 Pipettes Alcohol 1ml, One mark



### **Ordering Information with Specifications:**

Cat. No	Specifications	Minimum Qty/Pack
11790/1	Pipettes Alcohol, 1 ml, One mark.	10

### 5.21 Pipettes E.S.R. 200 mm, graduation, 300mm long



Cat. No	Specifications	Minimum Qty/Pack
11800/1	Pipettes E.S.R. 200 mm, graduation, 300mm long	10



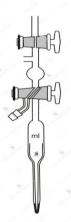
#### 5.22 Drum Sampling Tube Length 1000mm, diameter 19mm, Heavy Wall



### **Ordering Information with Specifications:**

Cat. No	Specifications	Minimum Qty/Pack
11810/1	Drum Sampling Tube Length 1000mm, diameter 19mm, Heavy Wall	1

#### 5.23 Mechanical Pipette, with 2 stopcocks



Cat. No	<b>Specifications</b>	Minimum Qty/Pack
11820/1	Mechanical pipette 10ml	1
11820/2	Mechanical pipette 20ml	1
11820/3	Mechanical pipette 25ml	1



#### 5.24 Pipette Artificial Insemination, Cattle, Taper Tip, 450 mm long.

- Made of Neutral Hard Glass
- For Artificial Insemination, Cattle,
- Taper Tip, 450 mm long



Cat. No	Specifications	Minimum Qty/Pack
11830/1	Pipette Artificial Insemination, Cattle, Taper Tip. Neutral Borosilicate Glass, 450 mm long.	10



### 5.25 Pipette Pasteur, Disposable

- Made of Borosilicate Glass
- Disposable



Cat. No.	Cat. No. Specifications	
11840/1	Pipette Pasteur, Disposable, Borosilicate Glass 145mm long	
11840/2	Pipette Pasteur, Disposable, Borosilicate Glass 230mm long	100



#### 6. MEASURING CYLINDERS BOROSILICATE GLASS

A graduated cylinder, measuring cylinder or mixing cylinder is a common piece of laboratory equipment used to measure the volume of a liquid. It has a narrow cylindrical shape. Each marked line on the graduated cylinder represents the amount of liquid that has been measured.

### <u>6.1 Measuring Cylinders, with spout, Hexagonal Base. Accuracy as per Class 'A' with works certificate.</u>

- Made of Heat Resistant Borosilicate Glass.
- With spout, Hexagonal Base.
- Accuracy as per Class 'A' with works certificate.



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack
12100/1	Measuring Cylinder 5 ml	0.1	0.05	2
12100/2	Measuring Cylinder 10 ml	0.2	0.1	2
12100/3	Measuring Cylinder 25 ml	0.5	0.25	2
12100/4	Measuring Cylinder 50 ml	1	0.5	2
12100/5	Measuring Cylinder 100 ml	1	0.5	2
12100/6	Measuring Cylinder 250 ml	2	1	2
12100/7	Measuring Cylinder 500 ml	5	2.5	1
12100/8	Measuring Cylinder 1000 ml	10	5	1
12100/9	Measuring Cylinder 2000 ml	20	10	1



### <u>6.2 Measuring Cylinders, with spout, Hexagonal Base. Accuracy as per Class 'A' with works certificate (Amber).</u>

- Made of Heat Resistant Borosilicate Glass. (Amber).
- With spout, Hexagonal Base.
- Accuracy as per Class 'A' with works certificate

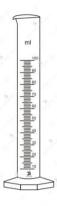


Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack
12100A/1	Measuring Cylinder 5 ml	0.1	0.05	2
12100A/2	Measuring Cylinder 10 ml	0.2	0.1	2
12100A/3	Measuring Cylinder 25 ml	0.5	0.25	2
12100A/4	Measuring Cylinder 50 ml	1	0.5	2
12100A/5	Measuring Cylinder 100 ml	1	0.5	2
12100A/6	Measuring Cylinder 250 ml	2	1	2
12100A/7	Measuring Cylinder 500 ml	5	2.5	1
12100A/8	Measuring Cylinder 1000 ml	10	5	1
12100A/9	Measuring Cylinder 2000 ml	20	10	1



### 6.3 Measuring Cylinders, with spout, Hexagonal Base. Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- With spout, Hexagonal Base.
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack
12200/1	Measuring Cylinder 5 ml	0.1	0.1	2
12200/2	Measuring Cylinder 10 ml	0.2	0.2	2
12200/3	Measuring Cylinder 25 ml	0.5	0.5	2
12200/4	Measuring Cylinder 50 ml	1	1	2
12200/5	Measuring Cylinder 100 ml	1	1 / #	2
12200/6	Measuring Cylinder 250 ml	2	2	2
12200/7	Measuring Cylinder 500 ml	5	5	1
12200/8	Measuring Cylinder 1000 ml	10	10	1
12200/9	Measuring Cylinder 2000 ml	20	10	1



### 6.4 Measuring Cylinders, with spout, Hexagonal Base. Accuracy as per Class 'B' (Amber).

- Made of Heat Resistant Borosilicate Glass.
- With spout, Hexagonal Base.
- Accuracy as per Class 'B' (Amber).



orucing into	imation with specifications.			
Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack
12200A/1	Measuring Cylinder 5 ml	0.1	0.1	2
12200A/2	Measuring Cylinder 10 ml	0.2	0.2	2
12200A/3	Measuring Cylinder 25 ml	0.5	0.5	2
12200A/4	Measuring Cylinder 50 ml	1	1 //	2
12200A/5	Measuring Cylinder 100 ml	1	1	2
12200A/6	Measuring Cylinder 250 ml	2	2	2
12200A/7	Measuring Cylinder 500 ml	5	5	1
12200A/8	Measuring Cylinder 1000 ml	10	10	1
12200A/9	Measuring Cylinder 2000 ml	20	10	1



### <u>6.5 Measuring Cylinders, with interchangeable stopper, Hexagonal Base. Accuracy as per Class 'A' with works certificate.</u>

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper, Hexagonal Base.
- Accuracy as per Class 'A' with works certificate.



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Stopper size	Minimum Qty/ Pack
12300/1	Measuring Cylinder 5 ml	0.1	0.05	10/15	2
12300/2	Measuring Cylinder 10 ml	0.2	0.1	10/15	2
12300/3	Measuring Cylinder 25 ml	0.5	0.25	14/15	2
12300/4	Measuring Cylinder 50 ml	1	0.5	14/15	2
12300/5	Measuring Cylinder 100 ml	1	0.5	19/20	2
12300/6	Measuring Cylinder 250 ml	2	1	24/25	2
12300/7	Measuring Cylinder 500 ml	5	2.5	24/25	1
12300/8	Measuring Cylinder 1000 ml	10	5	34/25	1
12300/9	Measuring Cylinder 2000 ml	20	10	34/25	1



### <u>6.6 Measuring Cylinders, with interchangeable stopper, Hexagonal Base. Accuracy as per Class 'A' with works certificate (Amber).</u>

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper, Hexagonal Base.
- Accuracy as per Class 'A' with works certificate (Amber).



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Stopper size	Minimum Qty/ Pack
12300A/1	Measuring Cylinder 5 ml	0.1	0.05	10/15	2
12300A/2	Measuring Cylinder 10 ml	0.2	0.1	10/15	2
12300A/3	Measuring Cylinder 25 ml	0.5	0.25	14/15	2
12300A/4	Measuring Cylinder 50 ml	1	0.5	14/15	2
12300A/5	Measuring Cylinder 100 ml	1	0.5	19/20	2
12300A/6	Measuring Cylinder 250 ml	2	1	24/25	2
12300A/7	Measuring Cylinder 500 ml	5	2.5	24/25	1
12300A/8	Measuring Cylinder 1000 ml	10	5	34/25	1
12300A/9	Measuring Cylinder 2000 ml	20	10	34/25	1



### 6.7 Measuring Cylinders, with interchangeable stopper, Hexagonal Base. Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper, Hexagonal Base.
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	ce Minimum Qty/ Pack	
12400/1	Measuring Cylinder 5 ml	0.1	0.1	2	
12400/2	Measuring Cylinder 10 ml	0.2	0.2	2	
12400/3	Measuring Cylinder 25 ml	0.5	0.5	2	
12400/4	Measuring Cylinder 50 ml	1	1	2	
12400/5	Measuring Cylinder 100 ml	1	1	2	
12400/6	Measuring Cylinder 250 ml	2	2	2	
12400/7	Measuring Cylinder 500 ml	5	5	1	
12400/8	Measuring Cylinder 1000 ml	10	10	1	
12400/9	Measuring Cylinder 2000 ml	20	20	1	



### 6.8 Measuring Cylinders, with interchangeable stopper, Hexagonal Base. Accuracy as per Class 'B' (Amber).

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper, Hexagonal Base.
- Accuracy as per Class 'B' (Amber).



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack
12400A/1	Measuring Cylinder 5 ml	0.1	0.1	2
12400A/2	Measuring Cylinder 10 ml	0.2	0.2	2
12400A/3	Measuring Cylinder 25 ml	0.5	0.5	2
12400A/4	Measuring Cylinder 50 ml	1	1 /	2
12400A/5	Measuring Cylinder 100 ml	1	1	2
12400A/6	Measuring Cylinder 250 ml	2	2	2
12400A/7	Measuring Cylinder 500 ml	5	5	1
12400A/8	Measuring Cylinder 1000 ml	10	10	1
12400A/9	Measuring Cylinder 2000 ml	20	20	1



### <u>6.9 Measuring Cylinders, with spout, Round Base. Accuracy as per Class 'A' with works certificate.</u>

- Made of Heat Resistant Borosilicate Glass.
- With spout, Round Base.
- Accuracy as per Class 'A' with works certificate.



Cat. No.	Specifications	Sub Div. ml.		Minimum Qty/ Pack
12500/1	Measuring Cylinder 5 ml	0.1	0.05	2
12500/2	Measuring Cylinder 10 ml	0.2	0.1	2
12500/3	Measuring Cylinder 25 ml	0.5	0.25	2
12500/4	Measuring Cylinder 50 ml	1	0.5	2
12500/5	Measuring Cylinder 100 ml	1	0.5	2
12500/6	Measuring Cylinder 250 ml	2	1	2
12500/7	Measuring Cylinder 500 ml	5	2.5	1
12500/8	Measuring Cylinder 1000 ml	10	5	1
12500/9	Measuring Cylinder 2000 ml	20	10	1 //



### <u>6.10 Measuring Cylinders, with spout, Round Base. Accuracy as per Class 'A' with works certificate (Amber).</u>

- Made of Heat Resistant Borosilicate Glass.
- With spout, Round Base.
- Accuracy as per Class 'A' with works certificate (Amber).

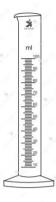


Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack
12500A/1	Measuring Cylinder 5 ml	0.1	0.05	2
12500A/2	Measuring Cylinder 10 ml	0.2	0.1	2
12500A/3	Measuring Cylinder 25 ml	0.5	0.25	2
12500A/4	Measuring Cylinder 50 ml	1	0.5	2
12500A/5	Measuring Cylinder 100 ml	1	0.5	2
12500A/6	Measuring Cylinder 250 ml	2	1	2
12500A/7	Measuring Cylinder 500 ml	5	2.5	1
12500A/8	Measuring Cylinder 1000 ml	10	5	1
12500A/9	Measuring Cylinder 2000 ml	20	10	1



### 6.11 Measuring Cylinders, with spout, Round Base. Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- With spout, Round Base.
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack	
12600/1	Measuring Cylinder 5 ml	0.1	0.1	2	
12600/2	Measuring Cylinder 10 ml	0.2	0.2	2	
12600/3	Measuring Cylinder 25 ml	0.5	0.5	2	
12600/4	Measuring Cylinder 50 ml	1	1	2	
12600/5	Measuring Cylinder 100 ml	1	1 / //	2	
12600/6	Measuring Cylinder 250 ml	2	2	2	
12600/7	Measuring Cylinder 500 ml	5	5	2	
12600/8	Measuring Cylinder 1000 ml	10	10	1	
12600/9	Measuring Cylinder 2000 ml	20	20	1	



#### 6.12 Measuring Cylinders, with spout, Round Base. Accuracy as per Class 'B' (Amber).

- Made of Heat Resistant Borosilicate Glass.
- With spout, Round Base.
- Accuracy as per Class 'B' (Amber).



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack	
12600A/1	Measuring Cylinder 5 ml	0.1	0.1	2	
12600A/2	Measuring Cylinder 10 ml	0.2	0.2	2	
12600A/3	Measuring Cylinder 25 ml	0.5	0.5	2	
12600A/4	Measuring Cylinder 50 ml	1	1	2	
12600A/5	Measuring Cylinder 100 ml	1	1 / /	2	
12600A/6	Measuring Cylinder 250 ml	2	2	2	
12600A/7	Measuring Cylinder 500 ml	5	5	2	
12600A/8	Measuring Cylinder 1000 ml	10	10	1	
12600A/9	Measuring Cylinder 2000 ml	20	20	1	



### <u>6.13 Measuring Cylinders, with interchangeable stopper, round base, Class 'A' with works certificate.</u>

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper, round base,
- Class 'A' with works certificate.



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack
12700/1	Measuring Cylinder 5 ml	0.1	0.05	2
12700/2	Measuring Cylinder 10 ml	0.2	0.1	2
12700/3	Measuring Cylinder 25 ml	0.5	0.25	2
12700/4	Measuring Cylinder 50 ml	1	0.5	2
12700/5	Measuring Cylinder 100 ml	1	0.5	2
12700/6	Measuring Cylinder 250 ml	2	1	2
12700/7	Measuring Cylinder 500 ml	5	2.5	1
12700/8	Measuring Cylinder 1000 ml	10	5	1
12700/9	Measuring Cylinder 2000 ml	20	10	1



### <u>6.14 Measuring Cylinders, with interchangeable stopper, round base, Class 'A' with works certificate (Amber).</u>

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper, round base,
- Class 'A' with works certificate (Amber).



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack	
12700A/1	Measuring Cylinder 5 ml	0.1	0.05	2	
12700A/2	Measuring Cylinder 10 ml	0.2	0.1	2	
12700A/3	Measuring Cylinder 25 ml	0.5	0.25	2	
12700A/4	Measuring Cylinder 50 ml	1	0.5	2	
12700A/5	Measuring Cylinder 100 ml	1	0.5	2	
12700A/6	Measuring Cylinder 250 ml	2	1	2	
12700A/7	Measuring Cylinder 500 ml	5	2.5	1	
12700A/8	Measuring Cylinder 1000 ml	10	5	1	
12700A/9	Measuring Cylinder 2000 ml	20	10	1	



### <u>6.15 Measuring Cylinders, with interchangeable stopper, round base. Accuracy as per Class 'B'.</u>

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper, round base.
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack	
12800/1	Measuring Cylinder 5 ml	0.1	0.1	2	
12800/2	Measuring Cylinder 10 ml	0.2	0.2	2	
12800/3	Measuring Cylinder 25 ml	0.5	0.5	2	
12800/4	Measuring Cylinder 50 ml	1		2	
12800/5	Measuring Cylinder 100 ml	1	1///	2	
12800/6	Measuring Cylinder 250 ml	2	2	2	
12800/7	Measuring Cylinder 500 ml	5	5	1	
12800/8	Measuring Cylinder 1000 ml	10	10	1	
12800/9	Measuring Cylinder 2000 ml	20	20	1	



### 6.16 Measuring Cylinders, with interchangeable stopper, round base. Accuracy as per Class 'B' (Amber).

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper, round base.
- Accuracy as per Class 'B' (Amber).

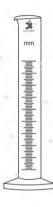


Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/ Pack
12800A/1	Measuring Cylinder 5 ml	0.1	0.1	2
12800A/2	Measuring Cylinder 10 ml	0.2	0.2	2
12800A/3	Measuring Cylinder 25 ml	0.5	0.5	2
12800A/4	Measuring Cylinder 50 ml	1	1 /	2
12800A/5	Measuring Cylinder 100 ml	1	1	2
12800A/6	Measuring Cylinder 250 ml	2	2	2
12800A/7	Measuring Cylinder 500 ml	5	5	1
12800A/8	Measuring Cylinder 1000 ml	10	10	1
12800A/9	Measuring Cylinder 2000 ml	20	20	1



#### 6.17 Cylinder, Rain measure Metric Scale Graduation.

- Made of Heat Resistant Borosilicate Glass.
- Rain measure Metric Scale Graduation.



Cat. No.	Size mm.	Collector area cm <sup>2</sup>	Sub Div. ml	Tolerance ±ml.	Minimum Qty/ Pack
12900/1	20	Cylinder Rain Measure 200 cm <sup>2</sup>	0.2	0.05	2
12900/2	20	Cylinder Rain Measure 100 cm <sup>2</sup>	0.2	0.1	2



#### 6.18 Nessler Cylinder, for colour comparison graduated. Accuracy as per Class 'A'.

- Made of Heat Resistant Borosilicate Glass.
- For colour comparison graduated.
- Accuracy as per Class 'A'.



Cat. No.	Specifications	Tolerance ±ml.	Minimum Qty/Pack
13000/1	Cylinder Rain Measure 50 ml	0.4	2
13000/2	Cylinder Rain Measure 100 ml	0.8	2



#### 6.19 Nessler Cylinder, for colour comparison graduated. Accuracy as per Class 'B'.

- Made of Heat Resistant Borosilicate Glass.
- For colour comparison graduated.
- Accuracy as per Class 'B'.



Cat. No.	Specifications	Sub Div. ml.	Tolerance ±ml.	Minimum Qty/Pack
13100/1	Cylinder Rain Measure 50 ml	25 & 50	0.4	2
13100/2	Cylinder Rain Measure 100 ml	50 & 100	0.8	2



### 6.20 Crow Receiver, Class A.

- Made of Heat Resistant Borosilicate Glass.
- Class A.



Cat. No.	Specifications	Tolerance ±ml.	Minimum Qty/Pack
13200/1	Crow Receiver 25 ml	0.04 & 0.1	2
13200/2	Crow Receiver 50 ml	0.1 & 0.2	2
13200/3	Crow Receiver 100 ml	0.2 & 0.4	2



### 6.21 Crow Receiver, Class B.

- Made of Heat Resistant Borosilicate Glass.
- Class B.

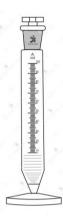


U		
Cat. No.	Specifications	Minimum Qty/Pack
13300/1	Crow Receiver 25 ml	2
13300/2	Crow Receiver 50 ml	2
13300/3	Crow Receiver 100 ml	2



### 6.22 Crow Receiver, with Interchangeable Stopper, Round Base, Class A.

- Made of Heat Resistant Borosilicate Glass.
- Crow Receiver, with Interchangeable Stopper, Round Base
- Accuracy as per Class A.



Cat. No.	Specifications	Tolerance ±ml.	Minimum Qty/Pack
13400/1	Crow Receiver 25 ml	0.04 & 0.1	2
13400/2	Crow Receiver 50 ml	0.1 & 0.2	2
13400/3	Crow Receiver 100 ml	0.2 & 0.4	2



### 6.23 Crow Receiver, with Interchangeable Stopper, Round Base, Class B.

- Made of Heat Resistant Borosilicate Glass.
- Crow Receiver, with Interchangeable Stopper, Round Base
- Accuracy as per Class B.



Cat. No. Specifications		Minimum Qty/Pack
13500/1	Crow Receiver 25 ml	2
13500/2	Crow Receiver 50 ml	2
13500/3	Crow Receiver 100 ml	2



### 6.24 Cylinder, With single graduation mark at 1000 ml for sedimentation of sand

- Made of Heat Resistant Borosilicate Glass.
- With single graduation mark at 1000 ml for sedimentation of sand

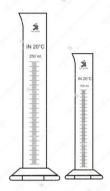


Cat. No.	Specifications	Minimum Qty/Pack
13600	Cylinder, With single graduation mark at 1000 ml for sedimentation of sand	2



### <u>6.25 Tapped Density Cylinder, Used in tapped density apparatus to measure bulk density of Powders.</u>

- Made of Heat Resistant Borosilicate Glass.
- Used in tapped density apparatus to measure bulk density of Powders.



Cat. No.	Specifications (Set) ml.	Quantity Per Case (Set)
13700	Tapped Density Cylinder 100 ml & 250 ml	1



#### 6.26 Cones, Imhoff, Sediment, Sharp Tip

- Made of Heat Resistant Borosilicate Glass.
- Imhoff, Sediment, Sharp Tip



Cat. No.	Approx Total	Approx. Top	Minimum
	Height mm.	Diameter mm.	Qty/Pack
13800	454	110/	1

- Graduated from 0 to 1 ml in 0.1 ml division.
- Graduated from 1 to 10 ml in 0.5 ml division.
- Graduated 10 to 40 ml in 01 ml division also marked at 1000 ml.



#### 6.27 Cones, Imhoff, Sediment, Blunt Tip

- Made of Heat Resistant Borosilicate Glass.
- Imhoff, Sediment, Blunt Tip



Cat. No.	Approx Total	Approx. Top	Minimum
	Height mm.	Diameter mm.	Qty/Pack
13900	439	110	1

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



#### 7. TUBES BOROSILICATE GLASS

Glass tubes are hollow pieces of borosilicate or flint glass used primarily as laboratory glassware. Glass tubes are commercially available in various thicknesses and lengths.

A test tube, also known as a culture tube or sample tube, is a common piece of laboratory glassware consisting of a finger-like length of glass or clear plastic tubing, open at the top, usually with a rounded U-shaped bottom.

A large test tube specifically for boiling liquids is called a boiling tube.

Test tubes are available in a multitude of lengths and widths, typically from 10 to 20 mm wide and 50 to 200 mm long. The top often features a flared lip to aid pouring out the contents; some sources consider that the presence of a lip is what distinguishes a test tube from a culture tube. A test tube has either a flat bottom, a round bottom, or a conical bottom. Some test tubes are made to accept a ground glass stopper or a screw cap. They are often provided with a small ground glass or white glaze area near the top for labelling with a pencil.

#### 7.1 Tubes, Culture, Media, Round Bottom, with Screw Cap and PTFE liner.

- Made of Heat Resistant Borosilicate Glass.
- Culture, Media, Round Bottom, with Screw Cap and PTFE liner.



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack
18100/1	Culture tubes 5ml	16 x 75	25
18100/2	Culture tubes 10ml	16 x 125	25
18100/3	Culture tubes 15ml	16 x 150	25
18100/4	Culture tubes 25ml	18 x 150	25
18100/5	Culture tubes 30ml	25 x 100	25



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack
18100/6	Culture tubes 45ml	25 x 150	25
18100/7	Culture tubes 60ml	25 x 200	25
18100/8	Culture tubes 100ml	32 x 200	25
18100/9	Culture tubes 150ml	38 x 200	25

### 7.2 Tubes, Culture, Media, Round Bottom, with Screw Cap and PTFE liner (Amber).

- Made of Heat Resistant Borosilicate Glass. (Amber)
- Culture, Media, Round Bottom, with Screw Cap and PTFE liner.



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack
18100A/1	Culture tubes 5ml	16 x 75	25
18100A/2	Culture tubes 10ml	16 x 125	25
18100A/3	Culture tubes 15ml	16 x 150	25
18100A/4	Culture tubes 25ml	18 x 150	25
18100A/5	Culture tubes 30ml	25 x 100	25
18100A/6	Culture tubes 45ml	25 x 150	25
18100A/7	Culture tubes 60ml	25 x 200	25
18100A/8	Culture tubes 100ml	32 x 200	25
18100A/9	Culture tubes 150ml	38 x 200	25



### 7.3 Tubes, Culture, Media, Round Bottom, with Screw Cap & Rubber liner.

- Made of Heat Resistant Borosilicate Glass.
- Culture, Media, Round Bottom, with Screw Cap & Rubber liner.



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack
18200/1	Culture tubes 5ml	16 x 75	25
18200/2	Culture tubes 10ml	16 x 125	25
18200/3	Culture tubes 15ml	16 x 150	25
18200/4	Culture tubes 25ml	18 x 150	25
18200/5	Culture tubes 30ml	25 x 100	25
18200/6	Culture tubes 45ml	25 x 150	25
18200/7	Culture tubes 60ml	25 x 200	25
18200/8	Culture tubes 100ml	32 x 200	25
18200/9	Culture tubes 150ml	38 x 200	25



### 7.4 Tubes, Culture, Media, Round Bottom, with Screw Cap & Rubber liner. (Amber)

- Made of Heat Resistant Borosilicate Glass. (Amber)
- Culture, Media, Round Bottom, with Screw Cap & Rubber liner.



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack
18200A/1	Culture tubes 5ml	16 x 75	25
18200A/2	Culture tubes 10ml	16 x 125	25
18200A/3	Culture tubes 15ml	16 x 150	25
18200A/4	Culture tubes 25ml	18 x 150	25
18200A/5	Culture tubes 30ml	25 x 100	25
18200A/6	Culture tubes 45ml	25 x 150	25
18200A/7	Culture tubes 60ml	25 x 200	25
18200A/8	Culture tubes 100ml	32 x 200	25
18200A/9	Culture tubes 150ml	38 x 200	25



### 7.5 Tubes, Culture, Media, Flat Bottom with Screw Cap and PTFE liner.

- Made of Heat Resistant Borosilicate Glass.
- Culture, Media, Flat Bottom with Screw Cap and PTFE liner.



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack	
18300/1	Culture tubes 5ml	16 x 50	25	
18300/2	Culture tubes 10ml	25 x 50	25	
18300/3	Culture tubes 15ml	25 x 57	25	
18300/4	Culture tubes 30ml	25 x 95	25	
18300/5	Culture tubes 40ml	25 x 145	25	



### 7.6 Tubes, Culture, Media, Flat Bottom with Screw Cap and PTFE liner. (Amber)

- Made of Heat Resistant Borosilicate Glass. (Amber)
- Culture, Media, Flat Bottom with Screw Cap and PTFE liner.



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack	
18300A/1	Culture tubes 5ml	16 x 50	25	
18300A/2	Culture tubes 10ml	25 x 50	25	
18300A/3	Culture tubes 15ml	25 x 57	25	
18300A/4	Culture tubes 30ml	25 x 95	25	
18300A/5	Culture tubes 40ml	25 x 145	25	



### 7.7 Tubes, Culture, Media, Flat Bottom with Screw Cap and Rubber liner.

- Made of Heat Resistant Borosilicate Glass.
- Culture, Media, Flat Bottom with Screw Cap and Rubber liner.



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack	
18400/1	Culture tubes 5ml	16 x 50	25	
18400/2	Culture tubes 10ml	25 x 50	25	
18400/3	Culture tubes 15ml	25 x 57	25	
18400/4	Culture tubes 30ml	25 x 95	25	
18400/5	Culture tubes 40ml	25 x 145	25	



#### 7.8 Tubes, Culture, Media, Flat Bottom with Screw Cap and Rubber liner. (Amber)

- Made of Heat Resistant Borosilicate Glass. (Amber)
- Culture, Media, Flat Bottom with Screw Cap and Rubber liner.



Cat. No.	Specifications	O.D. x Length mm. (approx)	Minimum Qty/Pack
18400A/1	Culture tubes 5ml	16 x 50	25
18400A/2	Culture tubes 10ml	25 x 50	25
18400A/3	Culture tubes 15ml	25 x 57	25
18400A/4	Culture tubes 30ml	25 x 95	25
18400A/5	Culture tubes 40ml	25 x 145	25



### 7.9 Screw Caps for Culture Tubes, with liner.

- Made of Teflon/Rubber.
- For Culture Tubes, with liner.

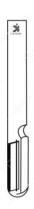


or dering internation with specifications.				
Cat. No.	For Tube Diameter mm.	Liner		
18500/1	15	Rubber		
18500/2	18	Rubber		
18500/3	25	Rubber		
18500/4	15	Teflon/Rubber		
18500/5	18	Teflon/Rubber		
18500/6	25	Teflon/Rubber		



#### 7.10 Leighton Tubes, for Culture work, plain top with Cover slip.

- Made of Heat Resistant Borosilicate Glass.
- Leighton Tubes, for Culture work, plain top with Cover slip.



Cat. No.	Length mm.	O.D. mm.	Windows Size mm.	
18600/1	Leighton Tubes 125mm	16	11 x 37	10
18600/2	Leighton Tubes 150 mm	16	11 x 37	10



### 7.11 Leighton Tubes, for Culture work, with Screw Cap and Cover slip.

- Made of Heat Resistant Borosilicate Glass.
- For Culture work, with Screw Cap and Cover slip.

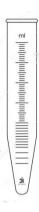


Cat. No.	Length mm.	O.D. mm.	Windows Size mm.	Minimum Qty/Pack
18700/1	Leighton Tubes 125mm	16	11 x 37	10
18700/2	Leighton Tubes 150 mm	16	11 x 37	10



### 7.12 Centrifuge Tube, Conical Bottom, graduated.

- Made of Heat Resistant Borosilicate Glass.
- Conical Bottom, graduated.



Cat. No.	Capacity ml.	O.D. x Length mm. (approx)	Minimum Qty/Pack
18800/1	Centrifuge Tube 5ml	13 x 100	25
18800/2	Centrifuge Tube 10ml	15 x 110	25
18800/3	Centrifuge Tube 15ml	17 x 120	25
18800/4	Centrifuge Tube 25ml	22 x 125	6
18800/5	Centrifuge Tube 50ml	30 x 125	6



### 7.13 Centrifuge Tube, Conical Bottom, graduated. (Amber)

- Made of Heat Resistant Borosilicate Glass.
- Conical Bottom, graduated. (Amber)



ordering information with specifications.			
Cat. No.	Capacity ml.	O.D. x Length mm. (approx)	Minimum Qty/Pack
18800A/1	Centrifuge Tube 5ml	13 x 100	25
18800A/2	Centrifuge Tube 10ml	15 x 110	25
18800A/3	Centrifuge Tube 15ml	17 x 120	25
18800A/4	Centrifuge Tube 25ml	22 x 125	6
18800A/5	Centrifuge Tube 50ml	30 x 125	6



### 7.14 Centrifuge Tube, Conical bottom, plain.

- Made of Heat Resistant Borosilicate Glass.
- Conical bottom, plain.



Cat. No.	Capacity ml.	O.D. x Length mm. (approx)	
18900/1	Centrifuge Tube 3ml	10 x 76	25
18900/2	Centrifuge Tube 5ml	13 x 100	25
18900/3	Centrifuge Tube 10ml	15 x 110	25
18900/4	Centrifuge Tube 12ml	16 x 110	25
18900/5	Centrifuge Tube 15ml	17 x 120	25
18900/6	Centrifuge Tube 25ml	22 x 125	6
18900/7	Centrifuge Tube 50ml	30 x 125	6



### 7.15 Centrifuge Tube, with Screw Cap, Plain.

- Made of Heat Resistant Borosilicate Glass.
- With Screw Cap, Plain.



Cat. No.	Specifications	Minimum Qty/Pack
19000/1	Centrifuge Tube 10ml	25
19000/2	Centrifuge Tube 15ml	25



### 7.16 Centrifuge Tube, with Screw Cap, Graduated.

- Made of Heat Resistant Borosilicate Glass.
- With Screw Cap, Graduated.



Cat. No.	Specifications	Minimum Qty/Pack	
19100/1	Centrifuge Tube 10ml	25	
19100/2	Centrifuge Tube 15ml	25	



### 7.17 Centrifuge Tube, with Screw Cap, Graduated. (Amber)

- Made of Heat Resistant Borosilicate Glass.
- With Screw Cap, Graduated. (Amber)



Cat. No.	Specifications	Minimum Qty/Pack
19100A/1	Centrifuge Tube 10ml	25
19100A/2	Centrifuge Tube 15ml	25



#### 7.18 Centrifuge Tube, Conical bottom, Graduated with interchangeable stopper.

- Made of Heat Resistant Borosilicate Glass.
- Conical bottom, Graduated with interchangeable stopper.



ordering information with specifications.			
Cat. No.	Specifications	Minimum Qty/Pack	
19200/1	Centrifuge Tube 5ml	25	
19200/2	Centrifuge Tube 10ml	25	
19200/3	Centrifuge Tube 15ml	25	
19200/4	Centrifuge Tube 25ml	12	
19200/5	Centrifuge Tube 50ml	12	



### 7.19 Centrifuge Tube, Conical bottom, Graduated with interchangeable stopper. (Amber)

- Made of Heat Resistant Borosilicate Glass. (Amber)
- Conical bottom, Graduated with interchangeable stopper.



ordering information with Specifications.			
Cat. No.	Specifications	Minimum Qty/Pack	
19200A/1	Centrifuge Tube 5ml	25	
19200A/2	Centrifuge Tube 10ml	25	
19200A/3	Centrifuge Tube 15ml	25	
19200A/4	Centrifuge Tube 25ml	12	
19200A/5	Centrifuge Tube 50ml	12	



#### 7.20 Centrifuge Tube, Plain, with interchangeable stopper, conical or round bottom.

- Made of Heat Resistant Borosilicate Glass.
- Plain, with interchangeable stopper, conical or round bottom.



Cat. No.	Specifications	Minimum Qty/Pack	
19300/1	Centrifuge Tube 3ml	25	
19300/2	Centrifuge Tube 5ml	25	
19300/3	Centrifuge Tube 10ml	25	
19300/4	Centrifuge Tube 15ml	25	
19300/5	Centrifuge Tube 25ml	12	



### 7.21 Centrifuge Tube, Round Bottom, graduated.

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, graduated.



Cat. No.	Capacity ml	O.D. x Length mm. (approx)	Minimum Qty/Pack
19400/1	Centrifuge Tube 12ml	16 x 110	10
19400/2	Centrifuge Tube 30ml	24 x 110	6
19400/3	Centrifuge Tube 40ml	28 x 110	6
19400/4	Centrifuge Tube 50ml	30 x 110	6
19400/5	Centrifuge Tube 100ml	45 x 110	6
19400/6	Centrifuge Tube 200ml	55 x 116	6



### 7.22 Centrifuge Tubes, Fully graduated, Suitable for Solubility Test, Conical Bottom

- Made of Heat Resistant Borosilicate Glass.
- Fully graduated, Suitable for Solubility Test, Conical Bottom

### **Ordering Information with Specifications:**

Cat. No. 19500

Cap: 50 ml,

Length: 120-125 mm

Dia. 30 mm

#### With Graduation Mark

0-1 ml, 0.1 ml,

1-2 ml, 0.2 ml,

2-10 ml, 0.5 ml,

10-20 ml, 1 ml

& at 50 ml.



#### 7.23 Centrifuge Tubes, Oil, Fully Graduated

- Made of Heat Resistant Borosilicate Glass.
- Oil, Fully graduated



### **Ordering Information with Specifications:**

#### Cat. No. 19600

0 to 0.5 ml in 0.05 ml div.,

0.5 to 2 ml in 0.1 ml div.,

2 ml to 3 ml in 0.2 ml. div.,

3 ml to 5 ml in 0.5 ml div.,

5 ml to 10 ml in 1 ml div.,

10 ml to 25 ml in 5 ml div.,

Graduations are marked at 50, 75 and 100 ml.



#### 7.24 Centrifuge Tubes, Oil

Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

#### Cat. No. 19700

The lower stem is graduated 0 to 1.5 ml in 0.1 ml div.,

The body is graduated 1.5 ml to 5 ml in 0.5 ml div., and from 5 ml to 10 ml in 1 ml div.,

Graduations are also marked at 15, 20, 25, 50 and 100 ml.



### 7.25 Test Tubes, Graduated with Interchangeable Stopper.

- Made of Heat Resistant Borosilicate Glass.
- Graduated with Interchangeable Stopper.



Cat. No.	O.D. x Length mm. (approx)	Capacity ml.	Stopper Size	Minimum Qty/Pack
19800/1	Test Tubes 12mm x 100mm	Test Tubes 5ml	10/15	10
19800/2	Test Tubes 15mm x 125mm	Test Tubes 10ml	10/15	10
19800/3	Test Tubes 15mm x 150mm	Test Tubes 15ml	10/15	10
19800/4	Test Tubes 18mm x 150mm	Test Tubes 20ml	14/15	10
19800/5	Test Tubes 22mm x 150mm	Test Tubes 25ml	19/26	10
19800/6	Test Tubes 25mm x 200mm	Test Tubes 50ml	19/26	10
19800/7	Test Tubes 32mm x 230mm	Test Tubes 100ml	24/29	10



#### 7.26 Test Tubes, Graduated with Interchangeable Stopper. (Amber)

- Made of Heat Resistant Borosilicate Glass. (Amber)
- Test Tubes, Graduated with Interchangeable Stopper.



Cat. No.	O.D. x Length mm. (approx)	Capacity ml.	Stopper Size	Minimum Qty/Pack
19800A/1	Test Tubes 12mm x 100mm	Test Tubes 5ml	10/15	10
19800A/2	Test Tubes 15mm x 125mm	Test Tubes 10ml	10/15	10
19800A/3	Test Tubes 15mm x 150mm	Test Tubes 15ml	10/15	10
19800A/4	Test Tubes 18mm x 150mm	Test Tubes 20ml	14/15	10
19800A/5	Test Tubes 22mm x 150mm	Test Tubes 25ml	19/26	10
19800A/6	Test Tubes 25mm x 200mm	Test Tubes 50ml	19/26	10
19800A/7	Test Tubes 32mm x 230mm	Test Tubes 100ml	24/29	10



#### 7.27 Test Tubes, Plain with Interchangeable Stopper.

- Made of Heat Resistant Borosilicate Glass.
- Plain with Interchangeable Stopper.



Cat. No.	O.D. x Length mm. (approx)	Capacity ml.	Stopper Size	Minimum Qty/Pack
19900/1	Test Tubes 12mm x 100mm	Test Tubes 5ml	10/15	10
19900/2	Test Tubes 15mm x 125mm	Test Tubes 10ml	10/15	10
19900/3	Test Tubes 18mm x 150mm	Test Tubes 20ml	14/15	10
19900/4	Test Tubes 25mm x 150mm	Test Tubes 25ml	19/26	10
19900/5	Test Tubes 25mm x 200mm	Test Tubes 50ml	19/26	10
19900/6	Test Tubes 32mm x 200mm	Test Tubes 100ml	24/29	10
19900/7	Test Tubes 38mm x 200mm	Test Tubes 150ml	24/29	10



#### 7.28 Test Tubes, Round bottom, with Rim, Plain.

- Made of Heat Resistant Borosilicate Glass.
- Round bottom, with Rim, Plain.



Cat No.	Capacity ml. (approx)	O.D. x Length mm. (approx)	Minimum Qty/Pack
20000/1	Test Tubes 3ml	Test Tubes 10mm × 75mm	100
20000/2	Test Tubes 5ml	Test Tubes 12mm × 75mm	100
20000/3	Test Tubes 7ml	Test Tubes 12mm × 100mm	100
20000/4	Test Tubes 10ml	Test Tubes 15mm × 125mm	100
20000/5	Test Tubes 15ml	Test Tubes 15mm × 150mm	100
20000/6	Test Tubes 25ml	Test Tubes 18mm × 150mm	100
20000/7	Test Tubes 35ml	Test Tubes 25mm × 100mm	50
20000/8	Test Tubes 50ml	Test Tubes 25mm × 150mm	50
20000/9	Test Tubes 75ml	Test Tubes 25mm × 200mm	50
20000/10	Test Tubes 100ml	Test Tubes 32mm × 200mm	25
20000/11	Test Tubes 175ml	Test Tubes 38mm × 200mm	25



### 7.29 Test Tubes, Round bottom, Rimless, Plain.

- Made of Heat Resistant Borosilicate Glass.
- Round bottom, Rimless, Plain.



Cat. No. Capacity ml. (approx)		O.D. x Length mm. (approx)	Minimum Qty/Pack	
20100/1	Test Tubes 3ml	Test Tubes 10mm × 75mm	100	
20100/2	Test Tubes 5ml	Test Tubes 12mm × 75mm	100	
20100/3	Test Tubes 7ml	Test Tubes 12mm × 100mm	100	
20100/4	Test Tubes 10ml	Test Tubes 15mm × 125mm	100	
20100/5	Test Tubes 15ml	Test Tubes 15mm × 150mm	100	
20100/6	Test Tubes 25ml	Test Tubes 18mm × 150mm	100	
20100/7	Test Tubes 35ml	Test Tubes 25mm × 100mm	50	
20100/8	Test Tubes 50ml	Test Tubes 25mm × 150mm	50	
20100/9	Test Tubes 75ml	Test Tubes 25mm × 200mm	50	
20100/10	Test Tubes 100ml	Test Tubes 32mm × 200mm	25	
20100/11	Test Tubes 175ml	Test Tubes 38mm × 200mm	25	



### 7.30 Test Tube, Round Bottom, with Rim, Graduated.

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, with Rim, Graduated.



Cat. No.	Cat. No. Capacity ml. (approx) O.D. x Length mm. (approx		Minimum Qty/Pack	
20200/1	Test Tubes 3ml	Test Tubes 10mm x 75mm	10	
20200/2	Test Tubes 5ml	Test Tubes 12mm x 75mm	10	
20200/3	Test Tubes 8ml	Test Tubes 12mm x 100mm	10	
20200/4	Test Tubes 10ml	Test Tubes 15mm x 125mm	10	
20200/5	Test Tubes 25ml	Test Tubes 18mm x 150mm	10	
20200/6	Test Tubes 50ml	Test Tubes 25mm x 150mm	10	
20200/7	Test Tubes 75ml	Test Tubes 25mm x 200mm	10	



### 7.31 Test Tube, Round Bottom, with Rim, Autoclaveable.

- Made of Heat Resistant Neutral Hard Glass.
- Round Bottom, with Rim, Autoclaveable.



Cat. No.	O.D. x Length mm. (approx)	Minimum Qty/Pack
20300/1	Test Tubes 10mm x 75mm	100
20300/2	Test Tubes 12mm x 75mm	100
20300/3	Test Tubes 12mm x 100mm	100
20300/4	Test Tubes 15mm x 100mm	100
20300/5	Test Tubes 15mm x 125mm	100
20300/6	Test Tubes 15mm x 150mm	100
20300/7	Test Tubes 18mm x 150mm	100
20300/8	Test Tubes 25mm x 150mm	50
20300/9	Test Tubes 25mm x 200mm	50



### 7.32 Test Tube, Round Bottom, without Rim, Autoclaveable.

- Made of Heat Resistant Neutral Hard Glass.
- Round Bottom, without Rim, Autoclaveable.



Cat. No.	O.D. x Length mm. (approx)	Minimum Qty/Pack
20400/1	Test Tubes 10mm x 75mm	100
20400/2	Test Tubes 12mm x 75mm	100
20400/3	Test Tubes 12mm x 100mm	100
20400/4	Test Tubes 15mm x 100mm	100
20400/5	Test Tubes 15mm x 125mm	100
20400/6	Test Tubes 15mm x 150mm	100
20400/7	Test Tubes 18mm x 150mm	100
20400/8	Test Tubes 25mm x 150mm	50
20400/9	Test Tubes 25mm x 200mm	50



## 7.33 Tube Flat Bottom without Rim

- Made of Heat Resistant Borosilicate Glass.
- Flat Bottom without Rim
- Used for pathological tests and disintegration apparatus



Cat. No.	O.D. x Length mm. (approx)	Minimum Qty/Pack
20500/1	Tube Flat Bottom 12mm x 75mm	800



## 7.34 Tube Flat Bottom with Rim

- Made of Heat Resistant Borosilicate Glass.
- Tube Flat Bottom with Rim
- Used for pathological tests and disintegration apparatus



Cat. No.	O.D. x Length mm. (approx)	Minimum Qty/Pack
20600/1	Tube Flat Bottom 18mm x 138mm	400
20600/2	Tube Flat Bottom 18mm x 55mm	100
20600/3	Tube Flat Bottom 14mm x 110mm	800



## 7.35 Tubes, COD Digestion Tube

- Made of thick walled, mechanically very resistant borosilicate glass.
- COD Digestion Tube
- Used in COD Disintegration.



Cat. No.	O.D. x Length mm. (approx)	Minimum Qty/Pack
20700/1	<b>20700/1</b> COD Digestion Tube 39mm x 205mm	



### 8. BOTTLES

A bottle is a rigid container with a neck that is narrower than the body and a mouth. By contrast, a jar has a relatively large mouth or opening which may be as wide as the overall container. Bottles are often made of glass, clay, plastic, aluminium or other impervious materials, and typically used to store liquids such as water, milk, soft drinks, beer, wine, cooking oil, medicine, shampoo, ink, and chemicals.

A glass bottle is a bottle created from glass. Glass bottles can vary in size considerably, but are most commonly found in sizes ranging between about 10ml and 5 litres.

### 8.1 Weighing Bottles, Tall form, with interchangeable stopper.

- Made of Heat Resistant Borosilicate Glass.
- Tall form, with interchangeable stopper.



Cat. No.	Specifications	O.D. x Ht. mm. (approx)
88100/1	Weighing Bottle 5 ml,	20 x 40
88100/2	Weighing Bottle 15 ml	25 x 60
88100/3	Weighing Bottle 25 ml	30 x 60
88100/4	Weighing Bottle 60 ml	40 x 90



## 8.2 Weighing Bottles, Squate Form, with interchangeable stopper.

- Made of Heat Resistant Borosilicate Glass.
- Squat Form, with interchangeable stopper.

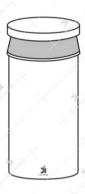


Cat. No.	Specifications	O.D. x Ht. mm. (approx)
88200/1	Weighing Bottle 15 ml	50 x 25
88200/2	Weighing Bottle 20 ml	40 x 30
88200/3	Weighing Bottle 25 ml	50 x 35
88200/4	Weighing Bottle 40 ml	60 x 40
88200/5	Weighing Bottle 50 ml	50 x 50



## 8.3 Weighing Bottles, Tall Form, Cap Type.

- Made of Heat Resistant Borosilicate Glass.
- Tall Form, Cap Type.



Cat. No.	Specifications	O.D. x Ht. mm. (approx)
88300/1	Weighing Bottle 7ml	18 x 40
88300/2	Weighing Bottle 25 ml	28 x 50
88300/3	Weighing Bottle 55 ml	38 x 60
88300/4	Weighing Bottle 100 ml	45 x 80



## 8.4 Weighing Bottles, Squat Form, Cap Type.

- Made of Heat Resistant Borosilicate Glass.
- Squat Form, Cap Type.



Cat. No.	Specifications	O.D. x Ht. mm. (approx)
88400/1	Weighing Bottle 25 ml	38 x 30
88400/2	Weighing Bottle 45 ml	45 x 30



## 8.5 Bottles Wide Mouth, with interchangeable stopper for 15 mm. Suba Seals.

- Made of Heat Resistant Borosilicate Glass.
- Wide Mouth, with interchangeable stopper for 15 mm.
- Suba Seals.

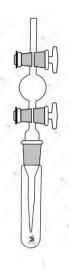


Cat. No.	Specifications	O.D. x Ht. mm. (approx)
88500/1	Weighing Bottle 25 ml	30 x 60
88500/2	Weighing Bottle 60 ml	40 x 80
88500/3	Weighing Bottle 100 ml	50 x 80
88500/4	Weighing Bottle 250 ml	60 x 100
88500/5	Weighing Bottle 500 ml	75 x 130
88500/6	Weighing Bottle 1000 ml	90 x 180



## **8.6** Weighing Bottle Lunge's, for weighing Corrosive liquids.

- Made of Heat Resistant Borosilicate Glass.
- For weighing Corrosive liquids.



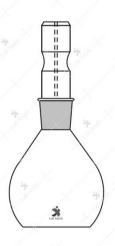
## **Ordering Information:**

Cat. No. 88600



## 8.7 Specific Gravity Bottles with Capillary Bore interchangeable Teflon Stopper, Class 'A', with Works Certificate.

- Made of Heat Resistant Borosilicate Glass.
- With Capillary Bore interchangeable Teflon Stopper,
- Class 'A', with Works Certificate.



## **Ordering Information with Specifications:**

Cat. No.	Specifications	Tolerance ±ml.
88700/1	Specific Gravity Bottle *5 ml	0.1
88700/2	Specific Gravity Bottle 10 ml	0.3
88700/3	Specific Gravity Bottle 20 ml	0.8
88700/4	Specific Gravity Bottle 25 ml	0.8
88700/5	Specific Gravity Bottle 50 ml	1.0
88700/6	Specific Gravity Bottle 100 ml	2.0

Note: \* with Glass capillary stopper



## 8.8 Specific Gravity Bottles, Ground in Capillary stopper.

- Made of Heat Resistant Borosilicate Glass.
- Ground in Capillary stopper.



Cat. No.	Specifications	Minimum Qty/Pack
88800/1	Specific Gravity Bottle 5 ml	12
88800/2	Specific Gravity Bottle 10 ml	12
88800/3	Specific Gravity Bottle 20 ml	12
88800/4	Specific Gravity Bottle 25 ml	12
88800/5	Specific Gravity Bottle 50 ml	12
88800/6	Specific Gravity Bottle 100 ml	6



## 8.9 Specific Gravity Bottles, with Ground in thermometer range 0° to 50° C.

- Made of Heat Resistant Borosilicate Glass.
- With Ground in thermometer range  $0^{\circ}$  to  $50^{\circ}$  C.



Cat No.	<b>Specifications</b>
88900/1	Specific Gravity Bottle 25 ml
88900/2	Specific Gravity Bottle 50 ml



## 8.10 Specific Gravity Bottles, Weld, with Cap.

- Made of Heat Resistant Borosilicate Glass.
- Weld, with Cap.



Cat No.	Specifications	Inner Joint	Outer Joint
89000/1	Specific Gravity Bottle 10 ml	10/19	14/23
89000/2	Specific Gravity Bottle 25 ml	10/19	14/23
89000/3	Specific Gravity Bottle 50 ml	10/19	14/23



### 8.11 Specific Gravity Bottles, Hubbard, Conical, 25 ml. Cap.

- Made of Heat Resistant Borosilicate Glass.
- Hubbard, Conical, 25 ml. Cap.

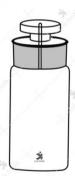


## **Ordering Information:**

Cat. No. 89100

## 8.12 Specific Gravity Bottles, Hubbard, Cylindrical, 25 ml. Cap.

- Made of Heat Resistant Borosilicate Glass.
- Hubbard, Cylindrical, 25 ml. Cap.



#### **Ordering Information:**

Cat. No. 89200



### 8.13 Reagent Bottles, Narrow Mouth, with interchangeable flat head solid Glass Stopper.

- Made of Heat Resistant Borosilicate Glass.
- Narrow Mouth, with interchangeable flat head solid Glass Stopper.



Cat. No.	Specifications	Minimum Qty/Pack
89300/1	Reagent Bottle 30 ml	6
89300/2	Reagent Bottle 60 ml	6
89300/3	Reagent Bottle 125 ml	6
89300/4	Reagent Bottle 250 ml	2
89300/5	Reagent Bottle 500 ml	2
89300/6	Reagent Bottle 1000 ml	1
89300/7	Reagent Bottle 2000 ml	1
89300/7-3	Reagent Bottle 3000 ml	1
89300/8	Reagent Bottle 5000 ml	1
89300/9	Reagent Bottle 10000 ml	1



## 8.14 Reagent Bottles, Narrow Mouth, with interchangeable flat head solid Glass Stopper (Amber).

- Made of Heat Resistant Borosilicate Glass. (Amber)
- Narrow Mouth, with interchangeable flat head solid Glass Stopper.



Cat. No.	Specifications	Minimum Qty/Pack
89300A/1	Reagent Bottle Narrow Mouth 30 ml	6
89300A/2	Reagent Bottle Narrow Mouth 60 ml	6
89300A/3	Reagent Bottle Narrow Mouth 125 ml	6
89300A/4	Reagent Bottle Narrow Mouth 250 ml	2
89300A/5	Reagent Bottle Narrow Mouth 500 ml	2
89300A/6	Reagent Bottle Narrow Mouth 1000 ml	1
89300A/7	Reagent Bottle Narrow Mouth 2000 ml	1
89300A/7-3	Reagent Bottle Narrow Mouth 3000 ml	1
89300A/8	Reagent Bottle Narrow Mouth 5000 ml	1
89300A/9	Reagent Bottle Narrow Mouth 10000 ml	1



### 8.15 Reagent Bottles, Wide Mouth, with interchangeable hollow Stopper.

- Made of Heat Resistant Borosilicate Glass.
- Wide Mouth, with interchangeable hollow Stopper.



Cat. No.	Specifications	Minimum Qty/Pack
89400/1	Reagent Bottle Wide Mouth 30 ml	6
89400/2	Reagent Bottle Wide Mouth 60 ml	6
89400/3	Reagent Bottle Wide Mouth 125 ml	6
89400/4	Reagent Bottle Wide Mouth 250 ml	2
89400/5	Reagent Bottle Wide Mouth 500 ml	2
89400/6	Reagent Bottle Wide Mouth 1000 ml	1
89400/7	Reagent Bottle Wide Mouth 2000 ml	1



### 8.16 Reagent Bottles, Wide Mouth, with interchangeable hollow Stopper (Amber).

- Made of Heat Resistant Borosilicate Glass. (Amber)
- Reagent Bottles, Wide Mouth, with interchangeable hollow Stopper.



Cat. No.	Specifications	Minimum Qty/Pack
89400A/1	Reagent Bottle Wide Mouth 30 ml	6
89400A/2	Reagent Bottle Wide Mouth 60 ml	6
89400A/3	Reagent Bottle Wide Mouth 125 ml	6
89400A/4	Reagent Bottle Wide Mouth 250 ml	2
89400A/5	Reagent Bottle Wide Mouth 500 ml	2
89400A/6	Reagent Bottle Wide Mouth 1000 ml	1
89400A/7	Reagent Bottle Wide Mouth 2000 ml	1



### 8.17 Reagent Bottles, Narrow Mouth, with Bakelite Screw Cap and PTFE/Rubber liner.

- Made of Heat Resistant Borosilicate Glass.
- Narrow Mouth, with Bakelite Screw Cap and PTFE/Rubber liner.

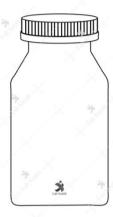


Cat. No.	Specifications	Minimum Qty/Pack
89500/1	Reagent Bottle Narrow Mouth 30 ml	6
89500/2	Reagent Bottle Narrow Mouth 60 ml	6
89500/3	Reagent Bottle Narrow Mouth 125 ml	6
89500/4	Reagent Bottle Narrow Mouth 250 ml	2
89500/5	Reagent Bottle Narrow Mouth 500 ml	2
89500/6	Reagent Bottle Narrow Mouth 1000 ml	1
89500/7	Reagent Bottle Narrow Mouth 2000 ml	1



## 8.18 Reagent Bottles, Wide Mouth, with Bakelite Screw Cap and Rubber liner.

- Made of Heat Resistant Borosilicate Glass.
- Wide Mouth, with Bakelite Screw Cap and Rubber liner.

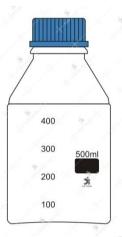


Cat. No.	Specifications	Minimum Qty/Pack
89600/1	Reagent Bottle Wide Mouth 30 ml	6
89600/2	Reagent Bottle Wide Mouth 60 ml	6
89600/3	Reagent Bottle Wide Mouth 125 ml	6
89600/4	Reagent Bottle Wide Mouth 250 ml	2
89600/5	Reagent Bottle Wide Mouth 500 ml	2



## 8.19 Reagent Bottle clear, wide mouth with Polypropylene Blue Screw cap and pouring ring, repeatedly autoclaveable, Graduated.

- Made of Heat Resistant Borosilicate Glass.
- Clear, Wide mouth with Polypropylene Blue Screw cap and pouring ring,
- Repeatedly autoclaveable, Graduated.



### **Ordering Information with Specifications:**

Cat. No.	Specifications	DIN Thread
89700/1	Reagent Bottle Wide Mouth *10 ml	GL25
89700/2	Reagent Bottle Wide Mouth *25 ml	GL25
89700/3	Reagent Bottle Wide Mouth *50 ml	GL32
89700/4	Reagent Bottle Wide Mouth 100 ml	GL 45
89700/5	Reagent Bottle Wide Mouth 250 ml	GL 45
89700/6	Reagent Bottle Wide Mouth 500 ml	GL 45
89700/7	Reagent Bottle Wide Mouth 1000 ml	GL 45
89700/8	Reagent Bottle Wide Mouth 2000 ml	GL 45
89700/8-A	Reagent Bottle Wide Mouth 3000 ml	GL 45
89700/9	Reagent Bottle Wide Mouth 5000 ml	GL 45
89700/10	Reagent Bottle Wide Mouth 10000 ml	GL 45
89700/11	Reagent Bottle Wide Mouth 20000 ml	GL 45

Note: \* Without pouring.



## <u>8.20 Reagent Bottle, Amber Colour, wide mouth with Polypropylene Blue Screw cap and pouring ring, repeatedly autoclaveable, Graduated.</u>

- Made of Heat Resistant Borosilicate Glass.
- Amber Colour, wide mouth with Polypropylene Blue Screw cap and pouring ring, repeatedly autoclaveable, Graduated.



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	DIN Thread
89700A/1	Reagent Bottle Wide Mouth *10 ml	GL25
89700A/2	Reagent Bottle Wide Mouth *25 ml	GL25
89700A/3	Reagent Bottle Wide Mouth *50 ml	GL32
89700A/4	Reagent Bottle Wide Mouth 100 ml	GL 45
89700A/5	Reagent Bottle Wide Mouth 250 ml	GL 45
89700A/6	Reagent Bottle Wide Mouth 500 ml	GL 45
89700A/7	Reagent Bottle Wide Mouth 1000 ml	GL 45
89700A/8	Reagent Bottle Wide Mouth 2000 ml	GL 45
89700A/8-A	Reagent Bottle Wide Mouth 3000 ml	GL 45
89700A/9	Reagent Bottle Wide Mouth 5000 ml	GL 45
89700A/10	Reagent Bottle Wide Mouth 10000 ml	GL 45
89700A/11	Reagent Bottle Wide Mouth 20000 ml	GL 45

Note: \* Without pouring.



## 8.21 Reagent Bottle, Clear, extra wide mouth with Polypropylene Blue Screw cap and pouring ring, repeatedly autoclaveable, Graduated.

- Made of Heat Resistant Borosilicate Glass.
- Clear, extra wide mouth with Polypropylene Blue Screw cap and pouring ring,
- Repeatedly autoclaveable, Graduated.



Cat. No.	Specifications	DIN Thread
89800/1	Reagent Bottle Wide Mouth 5000 ml	GL 80
89800/2	Reagent Bottle Wide Mouth 10000 ml	GL 80
89800/3	Reagent Bottle Wide Mouth 20000 ml	GL 80



## <u>8.22 Reagent Bottle, Amber Colour, extra wide mouth with Polypropylene Blue Screw cap</u> and pouring ring, repeatedly autoclaveable, Graduated.

- Made of Heat Resistant Borosilicate Glass.
- Amber Colour, extra wide mouth with Polypropylene Blue Screw cap and pouring ring,
- Repeatedly autoclaveable, Graduated.



Cat. No.	Specifications	DIN Thread
89800A/1	Reagent Bottle Wide Mouth 5000 ml	GL 80
89800A/2	Reagent Bottle Wide Mouth 10000 ml	GL 80
89800A/3	Reagent Bottle Wide Mouth 20000 ml	GL 80



### 8.23 Dropping Bottles, fitted with interchangeable stopper and rubber teat.

- Made of Heat Resistant Borosilicate Glass.
- Fitted with interchangeable stopper and rubber teat.



Cat. No.	Specifications	Minimum Qty/Pack
89900/1	Dropping Bottle 30 ml	6
89900/2	Dropping Bottle 60 ml	6
89900/3	Dropping Bottle 125 ml	6
89900/4	Dropping Bottle 250 ml	2



### 8.24 Dropping Bottles, fitted with interchangeable stopper and rubber teat (Amber).

- Made of Heat Resistant Borosilicate Glass. (Amber).
- Fitted with interchangeable stopper and rubber teat.

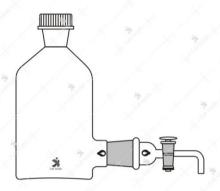


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Cat. No.	Specifications	Minimum Qty/Pack	
89900A/1	Dropping Bottle 30 ml	6	
89900A/2	Dropping Bottle 60 ml	6	
89900A/3	Dropping Bottle 125 ml	6	
89900A/4	Dropping Bottle 250 ml	2	



### 8.25 Bottles Aspirator, with Screw Cap, Glass Key stopcock with interchangeable Joint.

- Made of Heat Resistant Borosilicate Glass.
- With Screw Cap, Glass Key stopcock with interchangeable Joint.

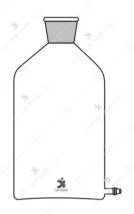


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<b>Specifications</b>			
Bottles Aspirator 1000 ml			
Bottles Aspirator 2000 ml			
Bottles Aspirator 3000 ml			
Bottles Aspirator 5000 ml			
Bottles Aspirator 10000 ml			
5 Bottles Aspirator 20000 ml			



### 8.26 Bottles Aspirator, with Outlet for Tubing

- Made of Heat Resistant Borosilicate Glass.
- With Outlet for Tubing

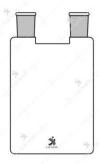


Cat No. Specifications			
90100/1	Bottles Aspirator 250 ml		
90100/2	Bottles Aspirator 500 ml		
90100/3	Bottles Aspirator 1000 ml		
<b>90100/4</b> Bottles Aspirator 2000 n			



### 8.27 Woulf Bottles with two standard Joint necks.

- Made of Heat Resistant Borosilicate Glass.
- With two standard Joint necks.



Cat No.	Specifications		
90200/1	Woulf Bottles 250 ml		
90200/2	Woulf Bottles 500 ml		



## 8.28 Mac-Cartney Bottles, Complete with Aluminum Cap.

- Made of Heat Resistant Borosilicate Glass.
- Complete with Aluminum Cap.

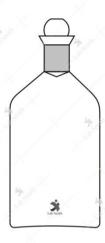


Cat No.	Specifications	Minimum Qty/Pack
90300/1	Mac-Cartney Bottle 15 ml	25
90300/2	Mac-Cartney Bottle 30 ml	25
90300/3	Mac-Cartney Bottle 60 ml	25



## 8.29 Bottles, B.O.D, with interchangeable Stopper.

- Made of Heat Resistant Borosilicate Glass.
- B.O.D, with interchangeable Stopper.



Cat No.	Specifications	Minimum Qty/Pack
90400/1	B.O.D Bottle 125 ml	2
90400/2	B.O.D Bottle 300 ml	2



## 8.30 Roux, Culture Bottle, Off-Set Neck

- Made of Heat Resistant Borosilicate Glass.
- Roux, Culture Bottle, Off-Set Neck



Cat No.	Capacity ml.	Neck I.D. (approx.) mm.	Approx. Ht. mm.	Approx. Cross Section mm.
90500/1	Roux, Culture Bottle 1000 ml	26	255	120 x 55

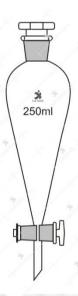


#### 9. SEPARATING/DROPPING FUNNELS

A separating/dropping funnel is a type of laboratory glassware used to transfer fluids. They are fitted with a stopcock which allows the flow to be controlled. Separating/Dropping funnels are useful for adding reagents slowly, i.e. drop-wise. This may be desirable when the quick addition of the reagent may result in side reactions, or if the reaction is too vigorous.

### 9.1 Separating Funnels, with glass key Stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- With glass key Stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem.

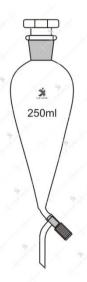


ordering information with specifications.		
Cat. No.	Specifications	Minimum Qty/Pack
41100/1	Separating Funnel 30 ml	2
41100/2	Separating Funnel 60 ml	2
41100/3	Separating Funnel 125 ml	2
41100/4	Separating Funnel 250 ml	2
41100/5	Separating Funnel 500 ml	2
41100/6	Separating Funnel 1000 ml	2
41100/7	Separating Funnel 2000 ml	2



### 9.2 Separating Funnels, with Screw type, PTFE Needle Valve Rotaflow stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- With Screw type, PTFE Needle Valve Rotaflow stopcock, Interchangeable Stopper,
- Conical/Pear Shape, Plain Stem.



Cat. No.	Specifications	Minimum Qty/Pack
41200/1	Separating Funnel 30 ml	2
41200/2	Separating Funnel 60 ml	2
41200/3	Separating Funnel 125 ml	2
41200/4	Separating Funnel 250 ml	2
41200/5	Separating Funnel 500 ml	2
41200/6	Separating Funnel 1000 ml	2
41200/7	Separating Funnel 2000 ml	2



### 9.3 Separating Funnels, with Screw type, PTFE Needle Valve Rotaflow stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem (Amber).

- Made of Heat Resistant Borosilicate Glass. (Amber).
- With Screw type, PTFE Needle Valve Rotaflow stopcock,
- Interchangeable Stopper, Conical/Pear Shape, Plain Stem.



Cat. No.	Specifications	Minimum Qty/Pack
41200A/1	Separating Funnel 30 ml	2
41200A/2	Separating Funnel 60 ml	2
41200A/3	Separating Funnel 125 ml	2
41200A/4	Separating Funnel 250 ml	2
41200A/5	Separating Funnel 500 ml	2
41200A/6	Separating Funnel 1000 ml	2
41200A/7	Separating Funnel 2000 ml	2



### 9.4 Separating Funnels, with PTFE key Stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- With PTFE key Stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem.



Cat. No.	Specifications	Minimum Qty/Pack
41300/1	Separating Funnel 30 ml	2
41300/2	Separating Funnel 60 ml	2
41300/3	Separating Funnel 125 ml	2
41300/4	Separating Funnel 250 ml	2
41300/5	Separating Funnel 500 ml	2
41300/6	Separating Funnel 1000 ml	2
41300/7	Separating Funnel 2000 ml	2



### 9.5 Separating Funnels, with PTFE key Stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem (Amber).

- Made of Heat Resistant Borosilicate Glass. (Amber).
- With PTFE key Stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem.

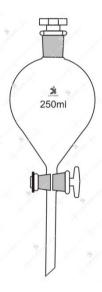


Cat. No.	Specifications	Minimum Qty/Pack
41300A/1	Separating Funnel 30 ml	2
41300A/2	Separating Funnel 60 ml	2
41300A/3	Separating Funnel 125 ml	2
41300A/4	Separating Funnel 250 ml	2
41300A/5	Separating Funnel 500 ml	2
41300A/6	Separating Funnel 1000 ml	2
41300A/7	Separating Funnel 2000 ml	2



### 9.6 Separating Funnels, with Glass key stopcock, Interchangeable Stopper, Globe Shape, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- With Glass key stopcock, Interchangeable Stopper, Globe Shape, Plain Stem.

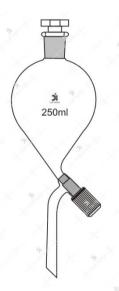


Cat. No.	Specifications	Minimum Qty/Pack
41400/1	Separating Funnel 25 ml	2
41400/2	Separating Funnel 50 ml	2
41400/3	Separating Funnel 100 ml	_2
41400/4	Separating Funnel 250 ml	2
41400/5	Separating Funnel 500 ml	2
41400/6	Separating Funnel 1000 ml	2
41400/7	Separating Funnel 2000 ml	2
41400/8	Separating Funnel 3000 ml	1
41400/9	Separating Funnel 5000 ml	1
41400/10	Separating Funnel 10000 ml	1
41400/11	Separating Funnel 20000 ml	1



### 9.7 Separating Funnels, with Screw type, PTFE Needle Valve rotaflow stopcock, Interchangeable Stopper, Globe Shape, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- With Screw type, PTFE Needle Valve rotaflow stopcock,
- Interchangeable Stopper, Globe Shape, Plain Stem.

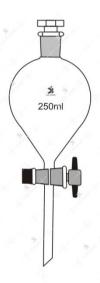


Cat. No.	Specifications	Minimum Qty/Pack
41500/1	Separating Funnel 25 ml	2
41500/2	Separating Funnel 50 ml	2
41500/3	Separating Funnel 100 ml	2
41500/4	Separating Funnel 250 ml	2
41500/5	Separating Funnel 500 ml	2
41500/6	Separating Funnel 1000 ml	2
41500/7	Separating Funnel 2000 ml	2



### 9.8 Separating Funnels, with PTFE key Stopcock, Interchangeable Stopper, Globe Shape, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- With PTFE key Stopcock, Interchangeable Stopper, Globe Shape, Plain Stem.

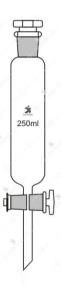


ordering information with specifications.		
Cat. No.	Specifications	Minimum Qty/Pack
41600/1	Separating Funnel 25 ml	2
41600/2	Separating Funnel 50 ml	2
41600/3	Separating Funnel 100 ml	2
41600/4	Separating Funnel 250 ml	2
41600/5	Separating Funnel 500 ml	2
41600/6	Separating Funnel 1000 ml	2
41600/7	Separating Funnel 2000 ml	2



### 9.9 Dropping Funnels, Cylindrical, with Interchangeable Stopper and Glass key Stopcock, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, with Interchangeable Stopper and Glass key Stopcock, Plain Stem.



ordering information with specimentons.		
Cat. No.	Specifications	Socket Size
41700/1	Dropping Funnel 50 ml	14/23
41700/2	Dropping Funnel 100 ml	19/26
41700/3	Dropping Funnel 150 ml	24/29
41700/4	Dropping Funnel 250 ml	24/29
41700/5	Dropping Funnel 500 ml	24/29
41700/6	Dropping Funnel 1000 ml	34/35



### 9.10 Dropping Funnels, Cylindrical, Graduated, with Interchangeable Stopper and Glass key Stopcock, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, Graduated, with Interchangeable Stopper and Glass key Stopcock, Plain Stem.



Cat. No.	Specifications	Socket Size
41800/1	Dropping Funnel 50 ml	14/23
41800/2	Dropping Funnel 100 ml	19/26
41800/3	Dropping Funnel 150 ml	24/29
41800/4	Dropping Funnel 250 ml	24/29
41800/5	Dropping Funnel 500 ml	24/29
41800/6	Dropping Funnel 1000 ml	34/35



### 9.11 Separating Funnels, with glass key Stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem (Amber).

- Made of Heat Resistant Borosilicate Glass. (Amber).
- With glass key Stopcock, Interchangeable Stopper, Conical/Pear Shape, Plain Stem.



Cat. No.	Specifications	Minimum Qty/Pack
41100A/1	Separating Funnel 30 ml	2
41100A/2	Separating Funnel 60 ml	2
41100A/3	Separating Funnel 125 ml	2
41100A/4	Separating Funnel 250 ml	2
41100A/5	Separating Funnel 500 ml	2
41100A/6	Separating Funnel 1000 ml	2
41100A/7	Separating Funnel 2000 ml	2



### 9.12 Dropping Funnels, Cylindrical, with Screw type PTFE Needle Valve rotaflow Stopcock and Interchangeable Stopper, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, with Screw type PTFE Needle Valve rotaflow Stopcock
- Interchangeable Stopper, Plain Stem.

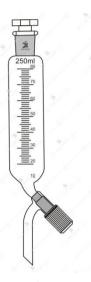


Cat. No.	Specifications	Socket Size
41900/1	Dropping Funnel 50 ml	14/23
41900/2	Dropping Funnel 100 ml	19/26
41900/3	Dropping Funnel 150 ml	24/29
41900/4	Dropping Funnel 250 ml	24/29
41900/5	Dropping Funnel 500 ml	24/29
41900/6	Dropping Funnel 1000 ml	34/35



### <u>9.13 Dropping Funnels, Cylindrical, Graduated, with Screw type PTFE Needle Valve rotaflow Stopcock and Interchangeable Stopper, Plain Stem.</u>

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, Graduated, with Screw type PTFE Needle Valve rotaflow Stopcock
- Interchangeable Stopper, Plain Stem.

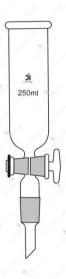


Cat. No.	Specifications	Socket Size
42000/1	Dropping Funnel 50 ml	14/23
42000/2	Dropping Funnel 100 ml	19/26
42000/3	Dropping Funnel 150 ml	24/29
42000/4	Dropping Funnel 250 ml	24/29
42000/5	Dropping Funnel 500 ml	24/29
42000/6	Dropping Funnel 1000 ml	34/35



#### 9.14 Dropping Funnels, Cylindrical, open top and Glass Key Stopcock, Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, open top and Glass Key Stopcock, Plain Stem.

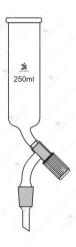


Cat. No.	Specifications	Cone Size
42100/1	Dropping Funnel 50 ml	19/26
42100/2	Dropping Funnel 100 ml	19/26
42100/3	Dropping Funnel 100 ml	24/29
42100/4	Dropping Funnel 250 ml	19/26
42100/5	Dropping Funnel 500 ml	24/29



### 9.15 Dropping Funnels, Cylindrical, open top, with Screw type PTFE Needle Valve rotaflow Stopcock, Stem with Cone.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, open top, with Screw type PTFE Needle Valve rotaflow Stopcock,
- Stem with Cone.



Cat. No.	Specifications	Cone Size
42200/1	Dropping Funnel 50 ml	19/26
42200/2	Dropping Funnel 100 ml	19/26
42200/3	Dropping Funnel 100 ml	24/29
42200/4	Dropping Funnel 250 ml	19/26
42200/5	Dropping Funnel 250 ml	24/29



### <u>9.16 Separating Funnels, pear shape, with socket, Glass Key Stopcock and stem with cone but without stopper.</u>

- Made of Heat Resistant Borosilicate Glass.
- Pear shape, with socket, Glass Key Stopcock and stem with cone but without stopper.



Cat. No.	Specifications	Socket Size	Cone Size
42300/1	Separating Funnel 25 ml	14/23	14/23
42300/2	Separating Funnel 50 ml	14/23	14/23
42300/3	Separating Funnel 50 ml	19/26	19/26
42300/4	Separating Funnel 100 ml	14/23	14/23
42300/5	Separating Funnel 100 ml	19/26	19/26
42300/6	Separating Funnel 250 ml	14/23	14/23
42300/7	Separating Funnel 250 ml	19/26	19/26
42300/8	Separating Funnel 500 ml	19/26	19/26
42300/9	Separating Funnel 500 ml	24/29	24/29
42300/10	Separating Funnel 1000 ml	19/26	19/26
42300/11	Separating Funnel 1000 ml	24/29	24/29



### <u>9.17 Separating Funnels, pear shape, with socket, screw type PTFE Needle Valve Stopcock and stem with cone but without stopper.</u>

- Made of Heat Resistant Borosilicate Glass.
- Pear shape, with socket, screw type PTFE Needle Valve Stopcock and stem with cone but without stopper.



Cat. No.	Specifications	Socket Size	Cone Size
42400/1	Separating Funnel 25 ml	14/23	14/23
42400/2	Separating Funnel 50 ml	14/23	14/23
42400/3	Separating Funnel 50 ml	19/26	19/26
42400/4	Separating Funnel 100 ml	14/23	14/23
42400/5	Separating Funnel 100 ml	19/26	19/26
42400/6	Separating Funnel 250 ml	14/23	14/23
42400/7	Separating Funnel 250 ml	19/26	19/26
42400/8	Separating Funnel 500 ml	19/26	19/26
42400/9	Separating Funnel 500 ml	24/29	24/29
42400/10	Separating Funnel 1000 ml	19/26	19/26
42400/11	Separating Funnel 1000 ml	24/29	24/29



### 9.18 Dropping Funnels, Cylindrical, with socket, Glass Key Stopcock and stem with cone but without stopper.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, with socket, Glass Key Stopcock and stem with cone but without stopper.

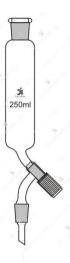


Cat. No.	Specifications	Socket Size	Cone Size
42500/1	Dropping Funnel 25 ml	14/23	14/23
42500/2	Dropping Funnel 50 ml	14/23	14/23
42500/3	Dropping Funnel 100 ml	14/23	14/23
42500/4	Dropping Funnel 100 ml	19/26	19/26
42500/5	Dropping Funnel 250 ml	19/26	19/26
42500/6	Dropping Funnel 500 ml	19/26	19/26
42500/7	Dropping Funnel 1000 ml	19/26	19/26



### 9.19 Dropping Funnels, Cylindrical, with socket, Screw Type PTFE Needle Valve rotaflow Stopcock and stem with cone but without stopper.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, with socket, Screw Type PTFE Needle Valve rotaflow Stopcock and stem with cone but without stopper.

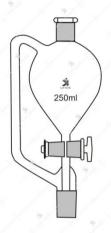


ordering information with specifications.			
Cat. No.	Specifications	Socket Size	Cone Size
42600/1	Dropping Funnel 25 ml	14/23	14/23
42600/2	Dropping Funnel 50 ml	14/23	14/23
42600/3	Dropping Funnel 100 ml	14/23	14/23
42600/4	Dropping Funnel 100 ml	19/26	19/26
42600/5	Dropping Funnel 250 ml	19/26	19/26
42600/6	Dropping Funnel 500 ml	19/26	19/26
42600/7	Dropping Funnel 1000 ml	19/26	19/26



### 9.20 Pressure Equalizing Funnels, Pear Shape with Socket, Glass key Stopcock and stem with cone.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shape with Socket, Glass key Stopcock and stem with cone.

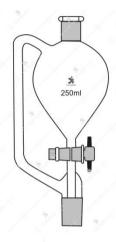


Cat. No.	Specifications	Socket Size	Cone Size
42700/1	Pressure Equalizing Funnel 100 ml	19/26	19/26
42700/2	Pressure Equalizing Funnel 100 ml	24/29	24/29
42700/3	Pressure Equalizing Funnel 250 ml	19/26	19/26
42700/4	Pressure Equalizing Funnel 250 ml	24/29	24/29
42700/5	Pressure Equalizing Funnel 500 ml	19/26	19/26
42700/6	Pressure Equalizing Funnel 500 ml	24/29	24/29
42700/7	Pressure Equalizing Funnel 500 ml	34/35	34/35



### 9.21 Pressure Equalizing Funnels, Pear Shape with Socket, PTFE key Stopcock and stem with cone.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shape with Socket, PTFE key Stopcock and stem with cone.

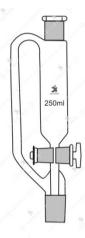


Cat. No.	Specifications	Socket Size	Cone Size
42800/1	Pressure Equalizing Funnel 100 ml	19/26	19/26
42800/2	Pressure Equalizing Funnel 100 ml	24/29	24/29
42800/3	Pressure Equalizing Funnel 250 ml	19/26	19/26
42800/4	Pressure Equalizing Funnel 250 ml	24/29	24/29
42800/5	Pressure Equalizing Funnel 500 ml	19/26	19/26
42800/6	Pressure Equalizing Funnel 500 ml	24/29	24/29
42800/7	Pressure Equalizing Funnel 500 ml	34/35	34/35



### <u>9.22 Pressure Equalizing Funnels, Cylindrical, with Socket, Glass Key Stopcock and stem with Cone.</u>

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, with Socket, Glass Key Stopcock and stem with Cone.

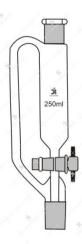


Cat. No.	Specifications	Socket Size	Cone Size
42900/1	Pressure Equalizing Funnel 50 ml	19/26	19/26
42900/2	Pressure Equalizing Funnel 100 ml	19/26	19/26
42900/3	Pressure Equalizing Funnel 250 ml	19/26	19/26
42900/4	Pressure Equalizing Funnel 250 ml	24/29	24/29
42900/5	Pressure Equalizing Funnel 500 ml	19/26	19/26
42900/6	Pressure Equalizing Funnel 500 ml	24/29	24/29



### 9.23 Pressure Equalizing Funnels, Cylindrical, with Socket, PTFE Key Stopcock and stem with Cone.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, with Socket, PTFE Key Stopcock and stem with Cone.

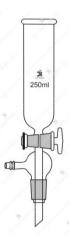


Cat. No.	Specifications	Socket Size	Cone Size
43000/1	Pressure Equalizing Funnel 50 ml	19/26	19/26
43000/2	Pressure Equalizing Funnel 100 ml	24/29	24/29
43000/3	Pressure Equalizing Funnel 250 ml	19/26	19/26
43000/4	Pressure Equalizing Funnel 250 ml	24/29	24/29
43000/5	Pressure Equalizing Funnel 500 ml	19/26	19/26
43000/6	Pressure Equalizing Funnel 500 ml	24/29	24/29



#### 9.24 Dropping Funnels, Cylindrical, open top, with Gas outlet tube, stem with Cone.

- Made of Heat Resistant Borosilicate Glass.
- Cylindrical, open top, with Gas outlet tube, stem with Cone.

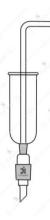


Cat. No.	Specifications	Cone Size
43100	Dropping Funnel 100 ml	24/29



### 9.25 Plug Type Funnels.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Specifications	Socket Size	Cone Size
43200	Plug Type Funnels 50 ml	10/19	19/26

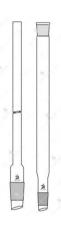


### 10. CONDENSERS BOROSILICATE GLASS

A condenser is an apparatus or item of equipment used to condense (change the physical state of) a substance from its gaseous to its liquid state.

#### 10.1 Air Condensers.

Made of Heat Resistant Borosilicate Glass.



Cat. No.	Effective Length mm.	Socket Size	Cone Size
31000/1	Air Condenser 200 mm.	14/23	14/23
31000/2	Air Condenser 200 mm.	19/26	19/26
31000/3	Air Condenser 250 mm.	24/29	24/29
31000/4	Air Condenser 400 mm.	19/26	19/26
31000/5	Air Condenser 500 mm.	24/29	24/29
31000/6	Air Condenser 500 mm.	34/35	34/35
31000/7	Air Condenser 600 mm.	19/26	19/26
31000/8	Air Condenser 750 mm.	24/29	24/29
31000/9	Air Condenser 750 mm.		19/26
31000/10	Air Condenser 750 mm.		24/29
31000/11	Air Condenser 1000 mm.		19/26
31000/12	Air Condenser 1000 mm.		24/29



#### 10.2 Liebig Condensers.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Effective Length mm.	Socket Size	Cone Size
31200/1	Liebig Condenser 150 mm.	14/23	14/23
31200/2	Liebig Condenser 200 mm.	19/26	19/26
31200/3	Liebig Condenser 200 mm.	24/29	24/29
31200/4	Liebig Condenser 300 mm.	19/26	19/26
31200/5	Liebig Condenser 300 mm.	24/29	24/29
31200/6	Liebig Condenser 350 mm.	19/26	19/26
31200/7	Liebig Condenser 350 mm.	24/29	24/29
31200/8	Liebig Condenser 400 mm.	19/26	19/26
31200/9	Liebig Condenser 400 mm.	24/29	24/29
31200/10	Liebig Condenser 500 mm.	24/29	24/29
31200/11	Liebig Condenser 600 mm.	24/29	24/29
31200/12	Liebig Condenser 750 mm.	24/29	24/29
31200/13	Liebig Condenser 500 mm.	34/35	34/35
31200/14	Liebig Condenser 600 mm.	34/35	34/35
31200/15	Liebig Condenser 750 mm.	34/35	34/35
31200/16	Liebig Condenser 900 mm.	34/35	34/35
31200/17	Liebig Condenser 300 mm.		19/26
31200/18	Liebig Condenser 350 mm.		24/29
31200/19	Liebig Condenser 250 mm.		34/35



Cat. No.	Effective Length mm.	Socket Size	Cone Size
31200/20	Liebig Condenser 250 mm.	29/32	29/32
31200/21	Liebig Condenser 400 mm.	29/32	29/32

Note: Condensers of any other Size can also be supplied on request.

#### 10.3 Air Condensers, without Joints.

- Made of Heat Resistant Borosilicate Glass.
- Without Joints.



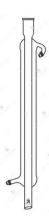
#### **Ordering Information with Specifications:**

Cat. No.	Effective Length mm.	
31100/1	Air Condenser 400 mm.	
31100/2	Air Condenser 600 mm.	
31100/3	Air Condenser 750 mm.	
31100/4	Air Condenser 1000 mm.	

#### 10.4 Liebig Condensers, without Joints.



- Made of Heat Resistant Borosilicate Glass.
- Without Joints.



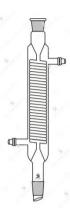
#### **Ordering Information with Specifications:**

Cat. No.	Effective Length mm.	
31300/1	Liebig Condenser 200 mm.	
31300/2	Liebig Condenser 300 mm.	
31300/3	Liebig Condenser 400 mm.	
31300/4	Liebig Condenser 500 mm.	
31300/5	Liebig Condenser 600 mm.	

Note: Condensers of any other Size can also be supplied on request.



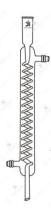
- Made of Heat Resistant Borosilicate Glass.
- Graham, Coil Distillate Type.



Cat. No.	Effective Length mm.	Socket Size	Cone Size
31400/1	Coil Condenser 150 mm.	14/23	14/23
31400/2	Coil Condenser 200 mm.	19/26	19/26
31400/3	Coil Condenser 250 mm.	19/26	19/26
31400/4	Coil Condenser 250 mm.	24/29	24/29
31400/5	Coil Condenser 300 mm.	19/26	19/26
31400/6	Coil Condenser 300 mm.	24/29	24/29
31400/7	Coil Condenser 400 mm.	24/29	24/29
31400/8	Coil Condenser 500 mm.	24/29	24/29
31400/9	Coil Condenser 500 mm.	34/35	34/35
31400/10	Coil Condenser 600 mm.	34/35	34/35



- Made of Heat Resistant Borosilicate Glass.
- Graham, without Joint.



#### **Ordering Information with Specifications:**

Cat. No.	Effective Length mm.	
31500/1	Coil Condenser 200 mm.	
31500/2	Coil Condenser 300 mm.	
31500/3	Coil Condenser 400 mm.	
31500/4	Coil Condenser 500 mm.	
31500/5	Coil Condenser 600 mm.	

#### 10.7 Coil Condensers, Graham, Jacket Distillate Type.



- Made of Heat Resistant Borosilicate Glass.
- Graham, Jacket Distillate Type.



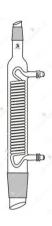
#### **Ordering Information with Specifications:**

Cat. No.	Effective Length mm.	Socket Size	Cone Size
31600/1	Coil Condenser 150 mm.	14/23	14/23
31600/2	Coil Condenser 200 mm.	19/26	19/26
31600/3	Coil Condenser 250 mm.	19/26	19/26
31600/4	Coil Condenser 250 mm.	24/29	24/29
31600/5	Coil Condenser 300 mm.	19/23	19/23
31600/6	Coil Condenser 300 mm.	24/29	24/29
31600/7	Coil Condenser 400 mm.	24/29	24/29
31600/8	Coil Condenser 500 mm.	24/29	24/29
31600/9	Coil Condenser 500 mm.	34/35	34/35
31600/10	Coil Condenser 600 mm.	34/35	34/35
31600/11	Coil Condenser 165 mm.	29/32	29/32
31600/12	Coil Condenser 320 mm.	29/32	29/32

### 10.8 Reversible Type Condensers.



• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Effective Length mm.	Socket Size	Cone Size
31700/1	Liebig Condenser 150 mm.	-	19/26 & 24/29
31700/2	Liebig Condenser 150 mm.	-	24/29 & 24/29
31700/3	Liebig Condenser 150 mm.	-	24/29 & 34/35



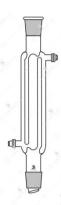
- Made of Heat Resistant Borosilicate Glass.
- Double Coil Condensers, with common inlet.



Cat. No.	Effective Length mm.	Socket Size	Cone Size
31800/1	Double Coil Condensers 200 mm.	19/26	19/26
31800/2	Double Coil Condensers 200 mm.	24/29	24/29
31800/3	Double Coil Condensers 350 mm.	34/35	34/35
31800/4	Double Coil Condensers 450 mm.	34/35	34/35
31800/5	Double Coil Condensers 600 mm.	34/35	34/35



- Made of Heat Resistant Borosilicate Glass.
- Davies Condensers, (Double Surface).



#### **Ordering Information with Specifications:**

Cat. No.	Effective Length mm.	Socket Size	Cone Size
31900/1	Davies Condenser 150 mm.	19/26	19/26
31900/2	Davies Condenser 150 mm.	24/29	24/29
31900/3	Davies Condenser 200 mm.	19/26	19/26
31900/4	Davies Condenser 200 mm.	24/29	24/29
31900/5	Davies Condenser 200 mm.	29/32	29/32
31900/6	Davies Condenser 200 mm.	. \	19/26
31900/7	Davies Condenser 200 mm.	**************************************	24/29
31900/8	Davies Condenser 200 mm.		34/35
31900/9	Davies Condenser 250 mm.	-	19/26
31900/10	Davies Condenser 250 mm.	19/26	19/26
31900/11	Davies Condenser 250 mm.	24/29	24/29
31900/12	Davies Condenser 300 mm.	19/26	19/26
31900/13	Davies Condenser 300 mm.	24/29	24/29
31900/14	Davies Condenser 400 mm.	24/29	24/29
31900/15	Davies Condenser 500 mm.	24/29	24/29
31900/16	Davies Condenser 500 mm.	34/35	34/35
31900/17	Davies Condenser 600 mm.	34/35	34/35

### 10.11 Jacketed Coil Condensers.



• Made of Heat Resistant Borosilicate Glass.



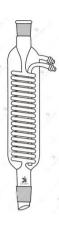
#### **Ordering Information with Specifications:**

Cat. No.	Effective Length mm.	Socket Size	Cone Size
32000/1	Jacketed Coil Condensers 150 mm.	19/26	19/26
32000/2	Jacketed Coil Condensers 150 mm.	24/29	24/29
32000/3	Jacketed Coil Condensers 150 mm.	-	34/35
32000/4	Jacketed Coil Condensers 150 mm.	-	40/38
32000/5	Jacketed Coil Condensers 200 mm.	19/26	19/26
32000/6	Jacketed Coil Condensers 200 mm.	24/29	24/29
32000/7	Jacketed Coil Condensers 300 mm.	19/26	19/26
32000/8	Jacketed Coil Condensers 300 mm.	24/29	24/29
32000/9	Jacketed Coil Condensers 400 mm.	24/29	24/29
32000/10	Jacketed Coil Condensers 400 mm.	34/35	34/35
32000/11	Jacketed Coil Condensers 500 mm.	34/35	34/35
32000/12	Jacketed Coil Condensers 160 mm.	29/32	29/32

#### 10.12 Inland Revenue Condensers.



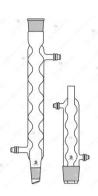
• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Effective Length mm.	Socket Size	Cone Size
32100/1	Inland Revenue Condensers 200 mm.	19/26	19/26
32100/2	Inland Revenue Condensers 200 mm.	24/29	24/29



• Made of Heat Resistant Borosilicate Glass.



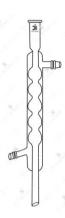
### **Ordering Information with Specifications:**

Cat. No.	To. Effective Length mm.		Cone Size
32200/1	Allihn Condensers 200 mm.		19/26
32200/2	Allihn Condensers 200 mm.		24/29
32200/3	Allihn Condensers 200 mm.		29/32
32200/4	Allihn Condensers 200 mm.		34/35
32200/5	Allihn Condensers 200 mm.		40/38
32200/6	Allihn Condensers 200 mm.		50/42
32200/7	Allihn Condensers 250 mm.		50/42
32200/8	Allihn Condensers 200 mm.	19/26	19/26
32200/9	Allihn Condensers 200 mm.	24/29	24/29
32200/10	Allihn Condensers 300 mm.	19/26	19/26
32200/11	Allihn Condensers 300 mm.	24/29	24/29
32200/12	Allihn Condensers 400 mm.	24/29	24/29
32200/13	Allihn Condensers 500 mm.	24/29	24/29
32200/14	Allihn Condensers 500 mm.	34/35	34/35
32200/15	Allihn Condensers 600 mm.	34/35	34/35
32200/16	Allihn Condensers 750 mm.	34/35	34/35

### 10.14 Allihn Condensers, (Bulb Condenser), without Joints.



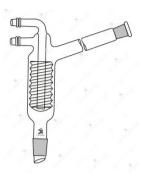
- Made of Heat Resistant Borosilicate Glass.
- Without Joints.



	-
Cat. No.	Effective Length mm.
32300/1	Allihn Condensers 200 mm.
32300/2	Allihn Condensers 300 mm.
32300/3	Allihn Condensers 400 mm.
32300/4	Allihn Condensers 500 mm.
32300/5	Allihn Condensers 600 mm.



• Made of Heat Resistant Borosilicate Glass.

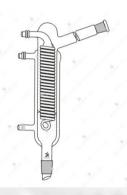


### **Ordering Information with Specifications:**

Cat. No.	Effective Length mm.	Socket Size	Cone Size
32400/1	Friedrich Condensers 200 mm.	19/26 & 24/29	19/26 & 24/29
32400/2	Friedrich Condensers 200 mm.	24/29 & 24/29	24/29 & 24/29

#### 10.16 Ether Condensers.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information with Specifications:**

Cat. No.	Effective Length mm.	Socket Size	Cone Size
32500/1	Ether Condensers 150 mm.	19/26	24/29
32500/2	Ether Condensers 200 mm.	19/26 or 24/29	24/29
32500/3	Ether Condensers 250 mm.	19/26 or 24/29	24/29

#### **10.17 Cold Finger Condensers**



• Made of Heat Resistant Borosilicate Glass.



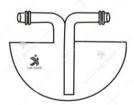
### **Ordering Information with Specifications:**

Cat. No. 32600.

- Length 130 mm immersion
- Cone 19/26

#### 10.18 Condensers, Bulb shape.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information with Specifications:**

Cat. No. 32900

Suitable for 1000 ml. spout-less, Tall form, Beaker.



### 11. FRACTIONATING COLUMNS

A fractionating column or fractionation column is an essential item used in distillation of liquid mixtures so as to separate the mixture into its component parts, or fractions, based on the differences in volatilities. Fractionating columns are used in small scale laboratory distillations as well as for large-scale industrial distillations.

#### 11.1 Fractionating Columns, Vigrex.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Effective Length mm.	Socket Size	Cone Size
44100/1	Fractionating Column 360 mm.	24/29	24/29
44100/2	Fractionating Column 360 mm.	29/32	29/32
44100/3	Fractionating Column 600 mm.	24/29	24/29
44100/4	Fractionating Column 750 mm.	34/35	34/35



### 11.2 Fractionating Columns, Dufton.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Effective Length mm.	Effective Length mm.  Socket Size	
44200/1	Fractionating Column 150 mm.	24/29	19/26
44200/2	Fractionating Column 150 mm.	24/29	24/29
44200/3	Fractionating Column 300 mm.	24/29	19/26
1313/4	Fractionating Column 300 mm.	24/29	24/29



### 11.3 Fractionating Columns, Pear Bulb.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Effective Length mm.	Socket Size	Cone Size
44300/1	Fractionating Column 130 mm.	34/35	24/29
44300/2	Fractionating Column 250 mm.	34/35	24/29
44300/3	Fractionating Column 500 mm.	34/35	24/29



#### 11.4 Fractionating Columns, Plain, designed for use with various types of columns packing.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Effective Length mm	Socket Size	Cone Size
44400/1	Fractionating Column 250 mm	24/29	24/29
44400/2	Fractionating Column 250 mm	34/35	24/29
44400/3	Fractionating Column 500 mm	24/29	24/29
44400/4	Fractionating Column 500 mm	34/35	24/29
44400/5	Fractionating Column 600 mm	34/35	24/29
44400/6	Fractionating Column 750 mm	24/29	24/29



#### 11.5 Fractionating Columns, Rod and Disc Pattern.

- Made of Heat Resistant Borosilicate Glass.
- Rod and Disc Pattern.

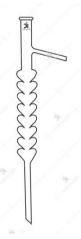


Cat. No.	No. Of Disc
44500/1	15
44500/2	20



### 11.6 Fractionating Columns, Pear shaped bulbs.

- Made of Heat Resistant Borosilicate Glass.
- Pear shaped bulbs.



0	
Cat. No.	No. Of Disc
44600/1	4
44600/2	8
44600/3	12



### 11.7 Packing for plain columns

Made of Heat Resistant Borosilicate Glass.



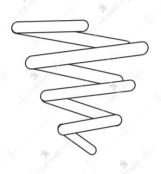


Cat No.	Description	Approx diameter mm.	Approx length	Qty pack
44700/1	Rasching ring N.G.	6	6	100 gm
44700/2	Rasching ring N.G.	8	8	100 gm
44700/3	Rasching ring N.G.	10	10	100 gm
44700/6	Glass beads N.G. Without holes	4/5	1 A	500 gm
44700/7	-Do-	5/6	750	500 gm
44700/8	-Do-	6/7		500 gm



### 11.8 Packing support

• Made of Heat Resistant Borosilicate Glass.



Cat No.	To fit Socket Size	Diameter mm.
44800/1	19/26	16
44800/2	24/29	21
44800/3	34/35	29
44800/4	40/38	35



#### 12. JOINTS, STOPPER AND ADAPTERS BOROSILICATE GLASS

Glass Joints (Adapters) are used in laboratories to quickly and easily fit leak-tight apparatus together from commonly available parts. For example, a round bottom flask, Liebig condenser, and oil bubbler with ground glass joints may be rapidly fitted together to reflux a reaction mixture. This is a large improvement compared with older methods of custom-made glassware, which was time-consuming and expensive, or the use of less chemical resistant and heat resistant corks or rubber bungs and glass tubes as joints, which took time to prepare as well.

To connect the hollow inner spaces of the glassware components, ground glass joints are hollow on the inside and open at the ends, except for stoppers.

#### 12.1 Sockets, Plain Shank, Single.

- Made of Heat Resistant Borosilicate Glass.
- Plain Shank, Single.



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	Socket Size
33100/1	Sockets	7/16
33100/2	Sockets	10/19
33100/3	Sockets	12/21
33100/4	Sockets	14/23
33100/5	Sockets	19/26
33100/6	Sockets	24/29
33100/7	Sockets	29/32
33100/8	Sockets	34/35
33100/9	Sockets	40/38
33100/10	Sockets	45/40
33100/11	Sockets	50/42
33100/12	Sockets	55/44

Note: Sockets with Hooks, 10% extra.



### 12.2 Cones, Plain End, Single.

- Made of Heat Resistant Borosilicate Glass.
- Plain End, Single.



### **Ordering Information with Specifications:**

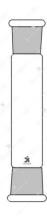
Cat. No.	Specifications	Socket Size
33200/1	Cones	7/16
33200/2	Cones	10/19
33200/3	Cones	12/21
33200/4	Cones	14/23
33200/5	Cones	19/26
33200/6	Cones	24/29
33200/7	Cones	29/32
33200/8	Cones	34/35
33200/9	Cones	40/38
33200/10	Cones	45/40
33200/11	Cones	50/42
33200/12	Cones	55/44

Note: Cones with tip, 10% extra and Cones with hooks, 10% extra



### 12.3 Sockets, Double.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

Cat. No.	Specifications	Socket Size	Shank Length mm. (approx.)
33300/1	Sockets	7/16	80
33300/2	Sockets	10/19	80
33300/3	Sockets	14/23	80
33300/4	Sockets	19/26	80
33300/5	Sockets	24/29	80
33300/6	Sockets	29/32	90
33300/7	Sockets	34/35	100
33300/8	Sockets	40/38	110

Note: Sockets with hooks, 10% extra.



### 12.4 Cones, Plain End, Double.

- Made of Heat Resistant Borosilicate Glass.
- Plain End, Double.



### **Ordering Information with Specifications:**

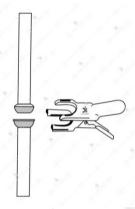
Cat. No.	Specifications	Socket Size	Shank Length mm. (approx.)
33400/1	Cones	7/16	80
33400/2	Cones	10/19	80
33400/3	Cones	14/23	80
33400/4	Cones	19/26	80
33400/5	Cones	24/29	80
33400/6	Cones	29/32	90
33400/7	Cones	34/35	100
33400/8	Cones	40/38	110

Note: Cones with tip, 10% extra and Cones with hooks, 10% extra.



### 12.5 Spherical Joints, Ball and Cup.

- Made of Heat Resistant Borosilicate Glass.
- Ball and Cup.

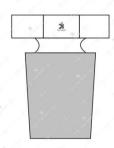


Cat. No.	Specifications	Joint Size	Bore mm. (approx.)
33500/1	Spherical Joints	S13	2
33500/2	Spherical Joints	S13	5
33500/3	Spherical Joints	S19	9
33500/4	Spherical Joints	S29	15
33500/5	Spherical Joints	S35	21
33500/6	Spherical Joints	S41	32



#### 12.6 Stoppers, Interchangeable, Ground Joint, Hollow Hexagonal Head.

- Made of Rubber.
- Interchangeable, Ground Joint, Hollow Hexagonal Head.

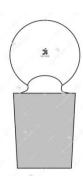


Cat. No.	Cone
34000/1	10/19
34000/2	12/21
34000/2A	14/23
34000/3	19/26
34000/4	24/29
34000/5	29/32
34000/6	34/35
34000/7	40/38
34000/8	45/40
34000/9	50/42
34000/10	55/44



### 12.7 Stoppers, Interchangeable, Ground Joint Solid, Penny Head.

- Made of Rubber.
- Interchangeable, Ground Joint Solid, Penny Head.



Cat. No.	Cone
34100/1	10/19
34100/2	14/23
34100/3	19/26
34100/4	24/29
34100/5	29/32
34100/6	34/35



### 12.8 Stoppers, Interchangeable, Ground Joint, for Reagent Bottle.

- Made of Rubber.
- Interchangeable, Ground Joint, for Reagent Bottle.



ordering information with specifications.			
Cat. No.	Cone	Capacity ml.	Head Type
34200/1	14/23	Regent Bottle, 60 ml.	Flat Head
34200/2	19/26	Regent Bottle, 125 & 250 ml.	Flat Head
34200/3	24/29	Regent Bottle, 500 ml.	Flat Head
34200/4	29/32	Regent Bottle, 1000 ml.	Flat Head
34200/5	34/35	Regent Bottle, 2000 ml.	Flat Head



#### 12.9 Stoppers, Interchangeable, Ground Joint, for Volumetric Flask.

- Made of Rubber.
- Interchangeable, Ground Joint, for Volumetric Flask.

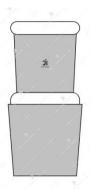


ordering information with specifications.			
Cat. No.	Cone	Capacity ml.	Head Type
34201/1	10/15	Volumetric Flask 5, 10, 20 ml.	Penny Head
34201/2	10/15	Volumetric Flask 25 & 50 ml.	Penny Head
34201/3	14/15	Volumetric Flask 100, 200, 250 ml.	Penny Head
34201/4	19/20	Volumetric Flask 500 & 1000 ml.	Penny Head
34201/5	24/25	Volumetric Flask 2000 ml.	Penny Head



#### **12.10 Reduction Adapters**

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	<b>Specifications</b>	Socket Size	Cone Size
34300/1	Reduction Adapters Socket	14/23	19/26
34300/2	Reduction Adapters Socket	14/23	24/29
34300/3	Reduction Adapters Socket	14/23	29/32
34300/4	Reduction Adapters Socket	19/26	24/29
34300/5	Reduction Adapters Socket	19/26	29/32
34300/6	Reduction Adapters Socket	19/26	34/35
34300/7	Reduction Adapters Socket	19/26	40/38
34300/8	Reduction Adapters Socket	19/26	45/40
34300/9	Reduction Adapters Socket	19/26	55/44
34300/10	Reduction Adapters Socket	24/29	29/32
34300/11	Reduction Adapters Socket	24/29	34/35
34300/12	Reduction Adapters Socket	24/29	40/38
34300/13	Reduction Adapters Socket	24/29	45/40
34300/14	Reduction Adapters Socket	24/29	50/42
34300/15	Reduction Adapters Socket	24/29	55/44
34300/16	Reduction Adapters Socket	29/32	34/35
34300/17	Reduction Adapters Socket	29/32	40/38
34300/18	Reduction Adapters Socket	34/35	40/38
34300/19	Reduction Adapters Socket	34/35	50/42
34300/20	Reduction Adapters Socket	34/35	55/44
34300/21	Reduction Adapters Socket	40/38	55/44



### 12.11 Expansion Adapters.

• Made of Heat Resistant Borosilicate Glass.

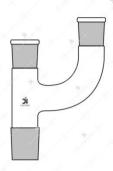


Cat. No.	Specifications	Socket Size	<b>Cone Size</b>
34400/1	Expansion Adapters	19/26	14/23
34400/2	Expansion Adapters	24/29	14/23
34400/3	Expansion Adapters	24/29	19/26
34400/4	Expansion Adapters	29/32	19/26
34400/5	Expansion Adapters	29/32	24/29
34400/6	Expansion Adapters	34/35	19/26
34400/7	Expansion Adapters	34/35	24/29
34400/8	Expansion Adapters	34/35	29/32
34400/9	Expansion Adapters	40/38	24/29



#### 12.12 Multiple Adapters, with Two Necks Parallel.

- Made of Heat Resistant Borosilicate Glass.
- With Two Necks Parallel.

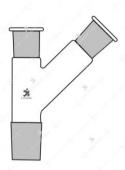


ordering information with Specifications.				
Cat. No.	Specifications	Socket Size	<b>Cone Size</b>	
34500/1	Multiple Adapters	14/23	14/23	
34500/2	Multiple Adapters	19/26	19/26	
34500/3	Multiple Adapters	19/26	24/29	
34500/4	Multiple Adapters	24/29	24/29	
34500/5	Multiple Adapters	19/26	34/35	
34500/6	Multiple Adapters	29/32	29/32	



### 12.13 Multiple Adapters, with two necks at 45°.

- Made of Heat Resistant Borosilicate Glass.
- With two necks at 45°.

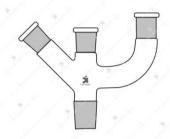


Cat. No.	Specifications	Socket Size	<b>Cone Size</b>
34600/1	Multiple Adapters	19/26	19/26
34600/2	Multiple Adapters	19/26	24/29
34600/3	Multiple Adapters	19/26	34/35



#### 12.14 Multiple Adapters, with Three Necks, Two Parallel and one at 45°.

- Made of Heat Resistant Borosilicate Glass.
- With Three Necks, Two Parallel and one at 45°.



Ordering information with Specifications.				
Cat. No.	Specifications	Socket Size	<b>Cone Size</b>	
34700/1	Multiple Adapters	19/26	24/29	
34700/2	Multiple Adapters	19/26	29/32	
34700/3	Multiple Adapters	19/26	34/35	
34700/4	Multiple Adapters	19/26	45/40	
34700/5	Multiple Adapters	19/26	55/44	



### 12.15 Swan Neck Adapters.

• Made of Heat Resistant Borosilicate Glass.

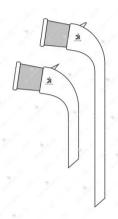


orwards and managed with the pro-				
Cat. No.	<b>Specifications</b>	Socket Size	Cone Size	
34800/1	Swan Neck Adapters	19/26	19/26	
34800/2	Swan Neck Adapters	19/26	24/29	
34800/3	Swan Neck Adapters	24/29	24/29	
34800/4	Swan Neck Adapters	24/29	34/35	



### 12.16 Receiver Adapters, Plain Bend Short/Long.

- Made of Heat Resistant Borosilicate Glass.
- Plain Bend Short/Long.



Cat. No.	Specifications	Socket Size
34900/1	Receiver Adapters	14/23
34900/2	Receiver Adapters	19/26
34900/3	Receiver Adapters	24/29
34900/4	Receiver Adapters	29/32
34900/5	Receiver Adapters	34/35
34900/6	Receiver Adapters	40/38
34900/7	Receiver Adapters	45/40
34900/8	Receiver Adapters	50/42
34900/9	Receiver Adapters	55/44



### 12.17 Straight Delivery Adapters.

• Made of Heat Resistant Borosilicate Glass.

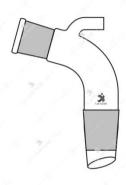


Cat. No.	<b>Specifications</b>	Socket Size
35000/1	Straight Delivery Adapters	14/23
35000/2	Straight Delivery Adapters	19/26
35000/3	Straight Delivery Adapters	24/29
35000/4	Straight Delivery Adapters	29/32
35000/5	Straight Delivery Adapters	34/35



### 12.18 Receiver Adapters, Bend with Vent.

- Made of Heat Resistant Borosilicate Glass.
- Bend with Vent.

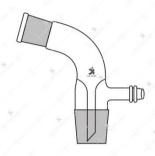


ordering intermediate with specifications.				
Cat. No.	Specifications	Socket Size	Cone Size	
35100/1	Receiver Adapters	14/23	14/23	
35100/2	Receiver Adapters	19/26	19/26	
35100/3	Receiver Adapters	19/26	24/29	
35100/4	Receiver Adapters	24/29	24/29	
35100/5	Receiver Adapters	34/35	34/35	



### 12.19 Receiver Adapters, Bend or Straight with Vacuum connection.

- Made of Heat Resistant Borosilicate Glass.
- Bend or Straight with Vacuum connection.

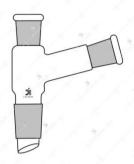


ordering information with operations.				
Cat. No.	<b>Specifications</b>	Socket Size	<b>Cone Size</b>	
35200/1	Receiver Adapters	14/23	14/23	
35200/2	Receiver Adapters	19/26	19/26	
35200/3	Receiver Adapters	19/26	24/29	
35200/4	Receiver Adapters	24/29	24/29	
35200/5	Receiver Adapters	24/29	34/35	
35200/6	Receiver Adapters	34/35	34/35	
35200/7	Receiver Adapters	29/32	29/32	



#### 12.20 Receiver Adapters, Bend with Socket Connections.

- Made of Heat Resistant Borosilicate Glass.
- Bend with Socket Connections.

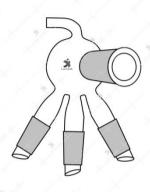


Cat No.	Specifications	Socket Size	Cone Size
35300/1	Receiver Adapters	14/23	14/23
35300/2	Receiver Adapters	19/26	19/26
35300/3	Receiver Adapters	19/26	24/29



#### 12.21 Receiver Adapters, Bend with Multiple Connections (Pig).

- Made of Heat Resistant Borosilicate Glass.
- Bend with Multiple Connections (Pig).



Cat No.	Specifications	Socket Size	Cone Size
35400/1	Receiver Adapters	14/23	14/23
35400/2	Receiver Adapters	14/23	19/26
35400/3	Receiver Adapters	19/26	19/26



### 12.22 Perkin Intermediate Receiver.

• Made of Heat Resistant Borosilicate Glass.

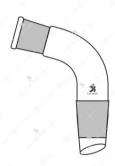


ordering information with Specifications.			
Cat No.	Specifications	Socket Size	Cone Size
35500/1	Perkin Intermediate Receiver	14/23	14/23
35500/2	Perkin Intermediate Receiver	19/26	19/26
35500/3	Perkin Intermediate Receiver	19/26	24/29
35500/4	Perkin Intermediate Receiver	24/29	24/29
35500/5	Perkin Intermediate Receiver	34/35	24/29
35500/6	Perkin Intermediate Receiver	34/35	34/35



### 12.23 Receiver Adapters, Plain Bend.

- Made of Heat Resistant Borosilicate Glass.
- Plain Bend.



ordering information with specifications.				
Cat. No.	Specifications	Socket Size	Cone Size	
35600/1	Receiver Adapters	19/26	19/26	
35600/2	Receiver Adapters	19/26	24/29	
35600/3	Receiver Adapters	24/29	24/29	
35600/4	Receiver Adapters	34/35	34/35	

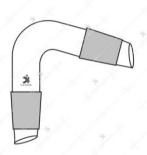


### 13. STILL HEADS/SPLASH HEADS

A splash head for use in distillation assemblies in which the condenser is assembled in the vertical mode, Lower cone accepts flask, upper cone accepts condenser. Splash head reduces entrainment of raw liquid into the vapour stream.

#### 13.1 Still Heads, Recovery Bend, Sloping (Elbow).

- Made of Heat Resistant Borosilicate Glass.
- Recovery Bend, Sloping (Elbow).



Cat. No.	Cone Fitting Flask	Cone Fitting Condenser	
36100/1	Still Head, 14/23	14/23	
36100/2	Still Head, 24/29	14/23	
36100/3	Still Head, 19/26	19/26	
36100/4	Still Head, 24/29	19/26	
36100/5	Still Head, 29/32	19/26	
36100/6	Still Head, 34/35	19/26	
36100/7	Still Head, 24/29	24/29	
36100/8	Still Head, 34/35	24/29	
36100/9	Still Head, 55/44	24/29	
36100/10	Still Head, 34/35	34/35	
36100/11	Still Head, 29/32	29/32	



### 13.2 Still Heads, Recovery Bend, Vertical.

- Made of Heat Resistant Borosilicate Glass.
- Recovery Bend, Vertical.

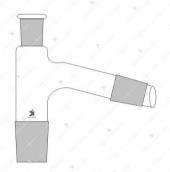


Cat. No.	<b>Cone Fitting Flask</b>	Cone Fitting Condenser
36200/1	Still Head, 14/23	14/23
36200/2	Still Head, 19/26	19/26
36200/3	Still Head, 24/29	14/23
36200/4	Still Head, 24/29	24/29
36200/5	Still Head, 34/35	34/35



### 13.3 Recovery Head, Sloping with 14/23 socket.

- Made of Heat Resistant Borosilicate Glass.
- Sloping with 14/23 socket.



Cat. No.	Cone Fitting Flask	Cone Fitting Condenser
36300/1	Recovery Head, 14/23	14/23
36300/2	Recovery Head, 19/26	19/26
36300/3	Recovery Head, 24/29	19/26
36300/4	Recovery Head, 29/32	19/26
36300/5	Recovery Head, 34/35	19/26
36300/6	Recovery Head, 24/29	24/29
36300/7	Recovery Head, 34/35	24/29
36300/8	Recovery Head, 55/44	24/29
36300/9	Recovery Head, 34/35	34/35
36300/10	Recovery Head, 55/44	34/35
36300/11	Recovery Head, 29/32	29/32



## 13.4 Claisen Heads, Sloping with 2 x 14/23 Sockets.

- Made of Heat Resistant Borosilicate Glass.
- Sloping with 2 x 14/23 Sockets.



Cat. No.	<b>Cone fitting Flask</b>	Cone fitting Condenser
36400/1	Claisen Heads, 14/23	14/23
36400/2	Claisen Heads, 19/26	19/26
36400/3	Claisen Heads, 24/29	19/26
36400/4	Claisen Heads, 34/35	19/26
36400/5	Claisen Heads, 24/29	24/29
36400/6	Claisen Heads, 34/35	24/29



### 13.5 Splash Heads, Pear Shape, Sloping.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shape, Sloping.



Cat. No.	Cone fitting Flask	Cone fitting Condenser
36500/1	Splash Head, 19/26	19/26
36500/2	Splash Head, 24/29	19/26
36500/3	Splash Head, 34/35	19/26
36500/4	Splash Head, 34/35	24/29
36500/5	Splash Head, 34/35	34/35
36500/6	Splash Head, 24/29	24/29



### 13.6 Splash Heads, Pear Shape, Vertical.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shape, Vertical.



Cat. No.	Cone fitting Flask	Cone fitting Condenser
36600/1	Splash Head, 19/26	19/26
36600/2	Splash Head, 24/29	19/26
36600/3	Splash Head, 34/35	19/26
36600/4	Splash Head, 24/29	24/29
36600/5	Splash Head, 34/35	24/29



### 13.7 Splash Head Adapter.

• Made of Heat Resistant Borosilicate Glass.

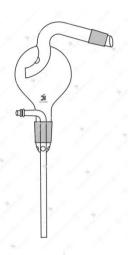


Cat. No.	Cone fitting Flask	Cone fitting Condenser
36700/1	Splash Head, 24/29	19/26



### 13.8 Steam Distillation Heads, Pear Shape, Slopping.

- Made of Heat Resistant Borosilicate Glass.
- Pear Shape, Slopping.



Cat. No.	Cone fitting Flask	Cone fitting Condenser
36800/1	Steam Distillation Heads, 24/29	19/26
36800/2	Steam Distillation Heads, 34/35	19/26
36800/3	Steam Distillation Heads, 34/35	24/29



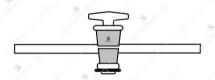
### 14. STOPCOCKS

A stopcock is a form of ball valve used to control the flow of a liquid or gas. Compared to the progressive control of a gate valve a stop cock's is coarse, confining their use principally to on-off applications. Stopcocks are used to grossly regulate the flow of tap water in residential and commercial services.

For laboratory glassware, items sometimes have plug valves with conically-tapered inserts called stopcocks (sometimes referred to as "plugs" by laypeople) with different bores. The valve bodies are usually made of glass, while the plugs are made of glass or Teflon.

#### 14.1 Stopcock, Straight Bore, Side Tube.

- Made of Heat Resistant Borosilicate Glass.
- Straight Bore, Side Tube

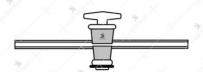


Cat. No.	Description	Bore mm.
84100/1	With Solid Plug, Side Tube	2 mm.
84100/2	With Solid Plug, Side Tube	4 mm.



### 14.2 Stopcock, Straight Bore, Side Capillary.

- Made of Heat Resistant Borosilicate Glass.
- Straight Bore, Side Capillary.



### **Ordering Information with Specifications:**

Cat. No.	Description	Bore mm.
84200/1	With Solid Plug, Side Capillary	2 mm.
84200/2	With Solid Plug, Side Capillary	4 mm.

## 14.3 Stopcock, Oblique Bore, Side Tube.

- Made of Heat Resistant Borosilicate Glass.
- Oblique Bore, Side Tube.



Cat. No.	Description	Bore mm.
84300/1	With Solid Plug, Side Tube	2 mm.
84300/2	With Solid Plug, Side Tube	4 mm.



#### 14.4 Stopcock, Oblique Bore, Side Capillary.

- Made of Heat Resistant Borosilicate Glass.
- Oblique Bore, Side Capillary.



#### **Ordering Information with Specifications:**

Cat. No.	Description	Bore mm.
84400/1	With Solid Plug, Side Capillary	2 mm.
84400/2	With Solid Plug, Side Capillary	4 mm.

#### 14.5 Stopcock, Three Way, T, Bore, Side Tube.

- Made of Heat Resistant Borosilicate Glass.
- Three Way, T, Bore, Side Tube.



Cat. No.	Description	Bore mm.
84500/1	With Solid Plug, Side Tube	2 mm.
84500/2	With Solid Plug, Side Tube	4 mm.



#### 14.6 Stopcock, Three Way, T, Bore, Side Capillary.

- Made of Heat Resistant Borosilicate Glass.
- Three Way, T, Bore, Side Capillary.

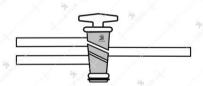


#### **Ordering Information with Specifications:**

Cat. No.	Description	Bore mm.
84600/1	With Solid Plug, Side Capillary	2 mm.
84600/2	With Solid Plug, Side Capillary	4 mm.

#### 14.7 Stopcock, Three Way Double Oblique Bore, Side Tube.

- Made of Heat Resistant Borosilicate Glass.
- Three Way Double Oblique Bore, Side Tube.

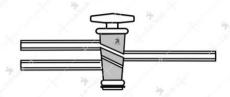


Cat. No.	Description	Bore mm.
84700	With Solid Plug, Side Tube	2 mm.



#### 14.8 Stopcock, Three Way Double Oblique Bore, Side Capillary.

- Made of Heat Resistant Borosilicate Glass.
- Three Way Double Oblique Bore, Side Capillary.

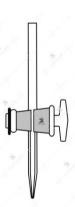


### **Ordering Information with Specifications:**

Cat. No.	Description	Bore mm.
84800	With Solid Plug, Side Capillary	2 mm.

#### 14.9 Stopcock for Burette, with Solid Plug.

- Made of Heat Resistant Borosilicate Glass.
- Stopcock for Burette, with Solid Plug.



#### **Ordering Information:**

Cat. No. 84900



### 14.10 Stopcock for Burette, with Hollow Plug.

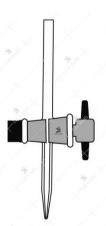
- Made of Heat Resistant Borosilicate Glass.
- Stopcock for Burette, with Hollow Plug.

### **Ordering Information:**

Cat. No. 85000

### 14.11 Stopcock for Burette, with PTFE Plug.

- Made of Heat Resistant Borosilicate Glass.
- Stopcock for Burette, with PTFE Plug.



**Ordering Information:** 

Cat. No. 85100



#### 14.12 Stopcock for Burette, with PTFE Needle Valve Screw type.

- Made of Heat Resistant Borosilicate Glass.
- With PTFE Needle Valve Screw type.

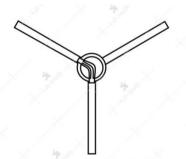


#### **Ordering Information:**

Cat. No. 85200

#### 14.13 Stopcock, C Bore, Three Way.

- Made of Heat Resistant Borosilicate Glass.
- C Bore, Three Way.



Cat. No.	Description	Bore mm.
85300/1	With Solid Plug, Side Tube	2 mm.
85300/2	With Solid Tube, Side Capillary	2 mm.



#### 14.14 Stopcock for Separating Funnels.

• Made of Heat Resistant Borosilicate Glass.

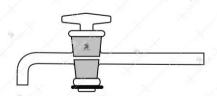


#### **Ordering Information with Specifications:**

Cat. No.	Bore mm.
85400/1	Stopcock 2 mm.
85400/2	Stopcock 4 mm.
85400/3	Stopcock 6 mm.

#### 14.15 Stopcock for Aspirators 4 mm. Bore, Plain

- Made of Heat Resistant Borosilicate Glass.
- For Aspirators 4 mm. Bore, Plain

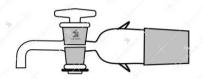


Cat. No.	Description
85500	Stopcock for Aspirators 4 mm. Bore, Plain



#### 14.16 Stopcock for Aspirators 4 mm. Bore, with Cone.

- Made of Heat Resistant Borosilicate Glass.
- For Aspirators 4 mm. Bore, with Cone.



#### **Ordering Information with Specifications:**

Cat. No.	Description
85600/1	Stopcock for Aspirators 4 mm. Bore, with 24/29 Cone
85600/2	Stopcock for Aspirators 4 mm. Bore, with 29/32 Cone

#### 14.17 Stopcock for Kipp's Apparatus, Bent.

Made of Heat Resistant Borosilicate Glass.

**Ordering Information with Specifications:** 

Cat. No. 85700

Item Name: Stopcock for Kipp's Apparatus, Bent.



#### 14.18 Stopcock Screw type, PTFE key, with Two Plain limbs.

- Made of Heat Resistant Borosilicate Glass.
- PTFE key, with Two Plain limbs.

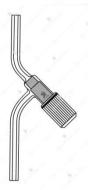


#### **Ordering Information with Specifications:**

Cat. No.	Limbs O.D. mm.	
85800/1	Stopcock Screw type, 8 mm.	
85800/2	Stopcock Screw type, 10 mm.	
85800/3	Stopcock Screw type, 12 mm.	

### 14.19 Stopcock Screw type, PTFE key, with Two Plain limbs, Capillary Bore.

- Made of Heat Resistant Borosilicate Glass.
- PTFE key, with Two Plain limbs, Capillary Bore.



Cat. No.	Bore mm.
85900	Stopcock Screw type, 2 mm.



#### 14.20 Stopcock Screw type, PTFE key, with Two Plain limbs at Right Angle.

- Made of Heat Resistant Borosilicate Glass.
- PTFE key, with Two Plain limbs at Right Angle.



#### **Ordering Information with Specifications:**

Cat. No.	Limbs O.D. mm.
86000/1	Stopcock Screw type, 8 mm.
86000/2	Stopcock Screw type, 10 mm.
86000/3	Stopcock Screw type, 12 mm.

### 14.21 Stopcock Screw type, PTFE key, with Two Plain limbs at Right Angle, Capillary Bore.

- Made of Heat Resistant Borosilicate Glass.
- PTFE key, with Two Plain limbs at Right Angle, Capillary Bore.

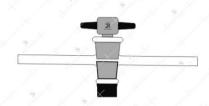


8	•
Cat. No.	Bore mm.
86100	Stopcock Screw type, 2 mm.



#### 14.22 Stopcock Straight Bore with PTFE key.

• Made of Heat Resistant Borosilicate Glass.

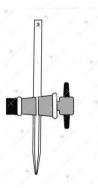


### **Ordering Information with Specifications:**

Cat. No.	Body Wide End I.D. mm.	Key Bore mm.
86200/1	Stopcock Straight Bore, 12 mm.	2
86200/2	Stopcock Straight Bore, 14 mm.	3
86200/3	Stopcock Straight Bore, 16 mm.	4
86200/4	Stopcock Straight Bore, 19 mm.	6
86200/5	Stopcock Straight Bore, 24 mm.	8

#### 14.23 Stopcock for Burette, Straight Bore with PTFE key.

- Made of Heat Resistant Borosilicate Glass.
- Straight Bore with PTFE key.



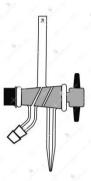
#### **Ordering Information:**

Cat. No. 86300



#### 14.24 Stopcock for Burettes, Double Oblique Bore with PTFE key.

- Made of Heat Resistant Borosilicate Glass.
- Double Oblique Bore with PTFE key.

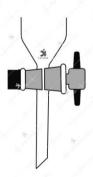


#### **Ordering Information:**

Cat. No. 86400

#### 14.25 Stopcock for Separating Funnel, Bore with PTFE key.

- Made of Heat Resistant Borosilicate Glass.
- Bore with PTFE key.

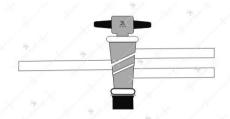


Cat. No.	Body Wide End I.D. mm.	Key Bore mm.
86500/1	Stopcock for Separating Funnel, 14 mm.	2 mm.
86500/2	Stopcock for Separating Funnel, 16 mm.	4 mm.



#### 14.26 Stopcock, Double Oblique Bore with PTFE key.

- Made of Heat Resistant Borosilicate Glass.
- Double Oblique Bore with PTFE key.

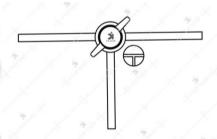


#### **Ordering Information with Specifications:**

Cat. No.	Key Bore mm.
86600/1	Stopcock, 2 mm.
86600/2	Stopcock, 4 mm.

### 14.27 Stopcock, T Bore with PTFE key.

- Made of Heat Resistant Borosilicate Glass.
- T Bore with PTFE key.



Cat. No.	Key Bore mm.
86700/1	Stopcock, 2 mm.
86700/2	Stopcock, 4 mm.



#### 14.28 Stopcock, Straight Bore, with hollow plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- Straight Bore, with hollow plug, High Vacuum.



#### **Ordering Information with Specifications:**

Cat. No.	Plug Bore mm.
86800/1	Stopcock, 2 mm.
86800/2	Stopcock, 4 mm.
86800/3	Stopcock, 6 mm.
86800/4	Stopcock, 8 mm.

#### 14.29 Stopcock, Single Oblique Bore, with hollow plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- Single Oblique Bore, with hollow plug, High Vacuum.

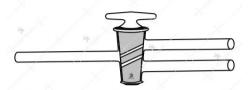


Cat. No.	Plug Bore mm.
86900/1	Stopcock, 2 mm.
86900/2	Stopcock, 4 mm.
86900/3	Stopcock, 6 mm.
86900/4	Stopcock, 8 mm.



### 14.30 Stopcock, Three Way Double Oblique Bore, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- Three Way Double Oblique Bore, High Vacuum.

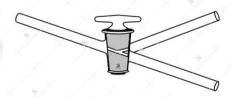


### **Ordering Information with Specifications:**

Cat. No.	Plug Bore mm.
87000/1	Stopcock, 2 mm.
87000/2	Stopcock, 4 mm.
87000/3	Stopcock, 6 mm.

#### 14.31 Stopcock, T Bore, Hollow Plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- T Bore, Hollow Plug, High Vacuum.

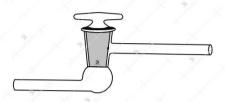


Cat. No.	Plug Bore mm.
87100/1	Stopcock, 2 mm.
87100/2	Stopcock, 4 mm.
87100/3	Stopcock, 6 mm.



#### 14.32 Stopcock, L Type, Lower Limb bent at Right Angle, Hollow Plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- L Type, Lower Limb bent at Right Angle, Hollow Plug, High Vacuum.



#### **Ordering Information with Specifications:**

	-
Cat. No.	Plug Bore mm.
87200/1	Stopcock, 2 mm.
87200/2	Stopcock, 4 mm.
87200/3	Stopcock, 6 mm.

### 14.33 Stopcock, L Type, Lower Limb Vertical, Hollow Plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- L Type, Lower Limb Vertical, Hollow Plug, High Vacuum.



~	
Cat. No.	Plug Bore mm.
87300/1	Stopcock, 2 mm.
87300/2	Stopcock, 4 mm.
87300/3	Stopcock, 6 mm.



## 14.34 Stopcock, L Type, Two Limb with Mercury Cup, Lower Limb Vertical, Hollow Plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- L Type, Two Limb with Mercury Cup, Lower Limb Vertical, Hollow Plug, High Vacuum.

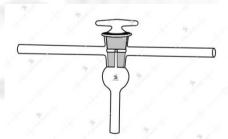


### **Ordering Information with Specifications:**

Cat. No.	Plug Bore mm.
87400/1	Stopcock, 2 mm.
87400/2	Stopcock, 4 mm.
87400/3	Stopcock, 6 mm.

#### 14.35 Stopcock, L Type, Three Limb, Hollow Plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- L Type, Three Limb, Hollow Plug, High Vacuum.



Cat. No.	Plug Bore mm.
87500/1	Stopcock, 2 mm.
87500/2	Stopcock, 4 mm.



#### 14.36 Stopcock, Mercury Cup, Two Limb, Hollow Plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- Mercury Cup, Two Limb, Hollow Plug, High Vacuum.

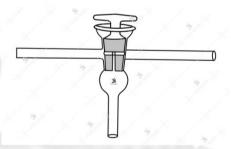


#### **Ordering Information with Specifications:**

Cat. No.	Plug Bore mm.	
87600/1	Stopcock, 2 mm.	
87600/2	Stopcock, 4 mm.	

### 14.37 Stopcock, Mercury Cup, Three Limb, Hollow Plug, High Vacuum.

- Made of Heat Resistant Borosilicate Glass.
- Mercury Cup, Three Limb, Hollow Plug, High Vacuum.



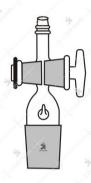
Cat. No.	Plug Bore mm.	
87700/1	Stopcock, 1 mm.	
87700/2	Stopcock, 2 mm.	



## 15. MISCELLANEOUS FITTINGS

### 15.1 Adapters with Stopcock, Cone to Rubber Tubing, Straight connection.

- Made of Heat Resistant Borosilicate Glass.
- With Stopcock, Cone to Rubber Tubing, Straight connection

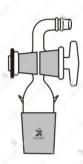


or every many productions.		
Cat. No.	Specifications	
37100/1	Adapters, Cone Size 14/23	
37100/2	Adapters, Cone Size 19/26	
37100/3	Adapters, Cone Size 24/29	
37100/4	Adapters, Cone Size 29/32	
37100/5	Adapters, Cone Size 34/35	



#### 15.2 Adapters with Stopcock, Cone to Rubber Tubing, Right Angle connection.

- Made of Heat Resistant Borosilicate Glass.
- With Stopcock, Cone to Rubber Tubing, Right Angle connection.

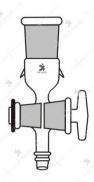


Cat. No.	<b>Specifications</b>	
37200/1	Adapters, Cone Size 14/23	
37200/2	Adapters, Cone Size 19/26	
37200/3	Adapters, Cone Size 24/29	
37200/4	Adapters, Cone Size 29/32	
37200/5	Adapters, Cone Size 34/35	



#### 15.3 Adapters, Socket to Rubber Tubing, Straight or Right Angle connection, with Stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Socket to Rubber Tubing, Straight or Right Angle connection, with Stopcock.



ordering information with specimentons.		
Cat. No.	Specifications	
37300/1	Adapters, Socket Size 14/23	
37300/2	Adapters, Socket Size 19/26	
37300/3	Adapters, Socket Size 24/29	
37300/4	Adapters, Socket Size 29/32	



### 15.4 Adapters, Cone to Rubber Tubing, Straight connection.

- Made of Heat Resistant Borosilicate Glass.
- Cone to Rubber Tubing, Straight connection.



ordering information with specifications.	
Cat. No.	Specifications
37400/1	Adapters, Socket Size 14/23
37400/2	Adapters, Socket Size 19/26
37400/3	Adapters, Socket Size 24/29
37400/3A	Adapters, Socket Size 29/32
37400/4	Adapters, Socket Size 34/35



### 15.5 Adapters, Cone to Rubber Tubing, Right Angle connection.

- Made of Heat Resistant Borosilicate Glass.
- Cone to Rubber Tubing, Right Angle connection.



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Cat. No.	Specifications	
37500/1	Adapters, Cone Size 14/23	
37500/2	Adapters, Cone Size 19/26	
37500/3	Adapters, Cone Size 24/29	
37500/3A	Adapters, Cone Size 29/32	
37500/4	Adapters, Cone Size 34/35	



#### 15.6 Adapters, Cone with stem, Rubber Tubing, Right Angle connection.

- Made of Heat Resistant Borosilicate Glass.
- Cone with stem, Rubber Tubing, Right Angle connection.



Cat. No.	Specifications	
37600/1	Adapters, Cone Size 14/23	
37600/2	Adapters, Cone Size 19/26	
37600/3	Adapters, Cone Size 24/29	



#### 15.7 Adapters, Socket to Rubber Tubing, Straight connection.

- Made of Heat Resistant Borosilicate Glass.
- Socket to Rubber Tubing, Straight connection.

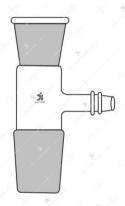


Cat. No.	Specifications
37700/1	Adapters, Socket Size 19/26
37700/2	Adapters, Socket Size 24/29



#### 15.8 Adapters, Socket to cone with Tee Connection.

- Made of Heat Resistant Borosilicate Glass.
- Socket to cone with Tee Connection.



Cat. No.	<b>Specifications</b>	<b>Cone Size</b>
37800/1	Adapters, Socket Size 14/23	14/23
37800/2	Adapters, Socket Size 14/23	19/26
37800/3	Adapters, Socket Size 14/23	24/29
37800/4	Adapters, Socket Size 19/26	19/26
37800/5	Adapters, Socket Size 19/26	24/29
37800/6	Adapters, Socket Size 19/26	34/35
37800/7	Adapters, Socket Size 24/29	24/29
37800/8	Adapters, Socket Size 24/29	34/35
37800/9	Adapters, Socket Size 34/35	34/35



### 15.9 Thistle Funnel head.

• Made of Heat Resistant Borosilicate Glass.

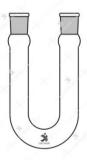
## **Ordering Information with Specifications:**

Cat. No. 37900

Cone size 24/29

#### 15.10 U Tube, with two sockets or cones.

- Made of Heat Resistant Borosilicate Glass.
- With two sockets or cones.

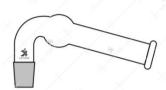


Cat. No.	Specifications
38000/1	U Tube, Cone Size 14/23
38000/2	U Tube, Cone Size 19/26



### 15.11 Drying Tube.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	
38100/1	Drying Tube, Cone Size 14/23	
38100/2	Drying Tube, Cone Size 19/26	
38100/3	Drying Tube, Cone Size 24/29	

## 15.12 Thermometer Pocket, Long type, for sealing to required length.

- Made of Heat Resistant Borosilicate Glass.
- Long type, for sealing to required length.



Cat. No.	Specifications	
38200/1	Thermometer Pocket, Cone Size 14/23	
38200/2	Thermometer Pocket, Cone Size 19/26	
38200/3	Thermometer Pocket, Cone Size 24/29	
38200/4	Thermometer Pocket, Cone Size 34/35	



## 15.13 Thermometer Pocket.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Specifications	
38300/1	Thermometer Pocket, Cone Size 14/23	
38300/2	Thermometer Pocket, Cone Size 19/26	
38300/3	Thermometer Pocket, Cone Size 24/29	



## 15.14 Air Leak Tube/Gas Inlet Tube.

Made of Heat Resistant Borosilicate Glass.



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Cat. No.	Specifications	
38400/1	Air Leak Tube, Cone Size 14/23	
38400/2	Air Leak Tube, Cone Size 19/26	
38400/3	Air Leak Tube, Cone Size 24/29	
38400/4	Air Leak Tube, Cone Size 34/35	



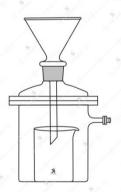
### 16. SINTERED GLASSWARE

Sintered glass is finely porous glass through which gas or liquid may pass. It is made by sintering together glass particles into a solid but porous body. This porous glass body can be called a frit. Applications in laboratory glassware include use in sintered glass filter items, scrubbers, or spargers. Other laboratory applications of sintered glass include packing in chromatography columns and resin beds for special chemical synthesis.

In a sintered glass filter, a disc or pane of sintered glass is used to filter out solid particles, precipitate, or residue from a fluid, similar to a piece of filter paper. The fluid can go through the pores in the sintered glass, but the frit will often stop a solid from going through. A sintered filter is often part of a glassware item, so sintered glass funnels and sintered glass crucibles are available.

### 16.1 Filtering Apparatus Witt's.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

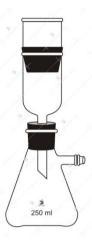
Cat. No. 45100

Complete with flanged jar, flanged lid, funnel and 250 ml. beaker.



## 16.2 Filter Apparatus, Complete with Filtering Flask, Gooch crucible with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4, glass adapter and rubber cone.

- Made of Heat Resistant Borosilicate Glass.
- Complete with Filtering Flask, Gooch crucible with Sintered Disc of Porosity G- 1 or G-2 or G-3 or G-4, glass adapter and rubber cone.



### **Ordering Information with Specifications:**

Cat. No.	Flask Capacity ml.	Crucible Capacity ml.
45200/1	Filter Apparatus 250 ml.	30
45200/2	Filter Apparatus 500 ml.	30
45200/3	Filter Apparatus 1000 ml.	50



## 16.3 Filter Apparatus, Complete, Filter Flask with Socket and Buchner funnel with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4 having Cone.

- Made of Heat Resistant Borosilicate Glass.
- Complete, Filter Flask with Socket and Buchner funnel with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4 having Cone.



### **Ordering Information with Specifications:**

Cat. No.	Flask Capacity ml.	Buchner Funnel Capacity ml.	Joint
45300/1	Filter Apparatus 250 ml.	80	24/29
45300/2	Filter Apparatus 500 ml.	200	24/29
45300/3	Filter Apparatus 1000 ml.	500	29/32
45300/4	Filter Apparatus 2000 ml.	1000	29/32



### 16.4 Crucible, Gooch type with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4.

- Made of Heat Resistant Borosilicate Glass.
- Gooch type with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4.



## **Ordering Information with Specifications:**

Cat. No.	Capacity ml.
45400/1	Crucible 15 ml.
45400/2	Crucible 30 ml.
45400/3	Crucible 50 ml.



### 16.5 Buchner Funnel, with sintered Disc of Porosity G-1 or G-2 or G-3 or G-4 plain stem.

- Made of Heat Resistant Borosilicate Glass.
- With sintered Disc of Porosity G-1 or G-2 or G-3 or G-4 plain stem.



## **Ordering Information with Specifications:**

Cat. No.	Capacity ml.	Disc diameter mm.
45500/1	Buchner Funnel 35 ml.	30
45500/2	Buchner Funnel 80 ml.	40
45500/3	Buchner Funnel 200 ml.	65
45500/4	Buchner Funnel 500 ml.	90
45500/5	Buchner Funnel 1000 ml.	120



### 16.6 Buchner Funnel, with sintered Disc of Porosity G-1 or G-2 or G-3 or G-4 cone at stem.

- Made of Heat Resistant Borosilicate Glass.
- With sintered Disc of Porosity G-1 or G-2 or G-3 or G-4 cone at stem.



#### **Ordering Information with Specifications:**

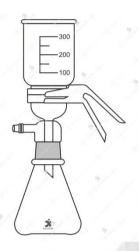
ordering information with specifications.			
Cat. No.	Capacity ml.	Disc Diameter mm.	Joint
45600/1	Buchner Funnel 35 ml.	30	14/23 or 19/26
45600/2	Buchner Funnel 80 ml.	40	14/23 or 19/26
45600/3	Buchner Funnel 200 ml.	65	19/26 or 24/29
45600/4	Buchner Funnel 500 ml.	90	24/29 or 29/32
45600/5	Buchner Funnel 1000 ml.	120	24/29 or 29/32

Note: Please mention porosity of sintered Disc and cone size while placing order.



## 16.7 Membrane Filter Holder Assembly, with support for membrane, Funnel, Flask and Clamp, Standard Joint Fitting.

- Made of Heat Resistant Borosilicate Glass.
- Membrane Filter Holder Assembly, with support for membrane, Funnel, Flask and Clamp, Standard Joint Fitting.

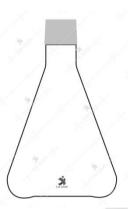


ordering information with specifications.			
Cat. No.	Membrane Diameter mm.	Funnel Capacity ml.	Flask Capacity ml.
45700/1	Membrane Filter 25 mm.	25	250
45700/2	Membrane Filter 25 mm.	50	500
45700/3	Membrane Filter 47 mm.	300	1000
45700/4	Membrane Filter 47 mm.	300	2000
45700/5	Membrane Filter 90 mm.	1000	5000



## 16.8 Spare Flask for Membrane Filter Holder Assembly.

- Made of Heat Resistant Borosilicate Glass.
- For Membrane Filter Holder Assembly.

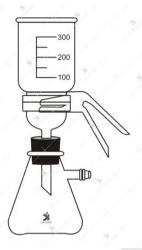


or are and a second with a production of		
Cat. No. Capacity ml.		
45800/1	Spare Flask 250 ml.	
45800/2	Spare Flask 500 ml.	
45800/3	Spare Flask 1000 ml.	
45800/4	Spare Flask 2000 ml.	
45800/5	Spare Flask 5000 ml.	



## 16.9 Membrane Filter Holder Assembly with support for membrane, Funnel, Flask and Clamp, Neoprene Rubber Cork fitting.

- Made of Heat Resistant Borosilicate Glass.
- With support for membrane, Funnel, Flask and Clamp, Neoprene Rubber Cork fitting.

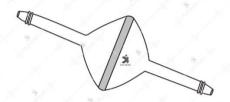


Cat. No.	Membrane Diameter mm.	Funnel Capacity ml.	Flask Capacity ml.
45900/1	Membrane Filter 25 mm.	25	250
45900/2	Membrane Filter 25 mm.	50	500
45900/3	Membrane Filter 47 mm.	300	1000
45900/4	Membrane Filter 47 mm.	300	2000



## <u>16.10 Tube Sealed with reduced ends, with Sintered Disc (Pipe line Filter) Porosity G-1 or G-2 or G-3 or G-4.</u>

- Made of Heat Resistant Borosilicate Glass.
- Tube Sealed with reduced ends, with Sintered Disc (Pipe line Filter) Porosity G-1 or G-2 or G-3 or G-4.



#### **Ordering Information with Specifications:**

ter mm.		
Tube Sealed 30 mm.		
40 mm.		
Tube Sealed 50 mm.		
65 mm.		
90 mm.		



### 16.11 Conical Filter, (Hirsch type) with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4.

- Made of Heat Resistant Borosilicate Glass.
- Conical Filter, (Hirsch type) with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4.



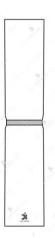
### **Ordering Information with Specifications:**

Cat. No.	Capacity ml.	Disc Diameter mm.
46100/1	Conical Filter 20 ml.	20
46100/2	Conical Filter 60 ml.	30
46100/3	Conical Filter 175 ml.	30



## <u>16.12 Sintered Glass Filter Tube, with Sintered Disc sealed in centre, Porosity G-1 or G-2 or G-3 or G-4.</u>

- Made of Heat Resistant Borosilicate Glass.
- Sintered Glass Filter Tube, with Sintered Disc sealed in centre, Porosity G-1 or G-2 or G-3 or G-4.



### **Ordering Information with Specifications:**

Cat. No.	Disc Diameter mm.		
46200/1	Sintered Glass Filter Tube 10 mm.		
46200/2	Sintered Glass Filter Tube 20 mm.		
46200/3	Sintered Glass Filter Tube 30 mm.		
46200/4	Sintered Glass Filter Tube 45 mm.		
46200/5	Sintered Glass Filter Tube 50 mm.		
46200/6	Sintered Glass Filter Tube 90 mm.		

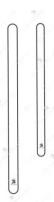


## 17. STIRRERS BOROSILICATE GLASS

A glass rod, stirring rod or stir rod is a piece of laboratory equipment used to mix chemicals and liquids for laboratory purposes. They are usually made of solid glass, about the thickness and slightly longer than a drinking straw, with rounded ends.

### **17.1 Glass Stirring Rods**

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Approx OD x Length mm.	Minimum Qty/Pack
39100/1	Glass Stirring Rods 7x150 mm.	10
39100/2	Glass Stirring Rods 7x205 mm.	10
39100/3	Glass Stirring Rods 7x255 mm.	10
39100/4	Glass Stirring Rods 7x305 mm.	10
39100/5	Glass Stirring Rods 9x150 mm.	10
39100/6	Glass Stirring Rods 9x205 mm.	10
39100/7	Glass Stirring Rods 9x255 mm.	10
39100/8	Glass Stirring Rods 9x305 mm.	10



### 17.2 Teflon Bladed Stirrers, Blade removable from the Stirrer Shaft.

- Made of Heat Resistant Borosilicate Glass.
- Teflon Bladed Stirrers, Blade removable from the Stirrer Shaft.



## **Ordering Information with Specifications:**

Cat. No.	Approx. Shaft diameter mm.	Shaft Length mm.	Smallest Socket through which blade will pass	Blade width mm.
39200/1	Teflon Bladed Stirrers 6 mm	450	19/26	52
39200/2	Teflon Bladed Stirrers 6 mm	450	24/29	76
39200/3	Teflon Bladed Stirrers 8 mm	450	24/29	76
39200/4	Teflon Bladed Stirrers 8 mm	450	29/32	100
39200/5	Teflon Bladed Stirrers 8 mm	600	34/35	100
39200/6	Teflon Bladed Stirrers 10 mm	450	34/35	100
39200/7	Teflon Bladed Stirrers 10 mm	600	34/35	125

### **Shaft for Teflon Bladed Stirrers,**

Cat. No.	Approx. Shaft diameter mm.	Shaft Length mm.
39200/9	Teflon Bladed Stirrers 6 mm	450
39200/10	Teflon Bladed Stirrers 8 mm	450
39200/11	Teflon Bladed Stirrers 8 mm	600
39200/12	Teflon Bladed Stirrers 10 mm	450
39200/13	Teflon Bladed Stirrers 10 mm	600



### 17.3 Link Stirrers.

Made of Heat Resistant Borosilicate Glass.



## **Ordering Information with Specifications:**

Cat. No.	Approx. Shaft dia. mm.	Shaft Length mm.	Smallest Socket through which blade will pass	Blade width mm.
39300/1	Link Stirrers 6 mm	450	24/29	75
39300/2	Link Stirrers 6 mm	600	24/29	75

#### 17.4 Collapsible Paddle Stirrers.

Made of Heat Resistant Borosilicate Glass.



Cat. No.	Approx. Shaft dia. mm.	Shaft Length mm.	Smallest Socket through which blade will pass	Blade width mm.
39400	Collapsible Paddle Stirrers 6 mm	600	24/29	75



## 17.5 Fixed Paddle Stirrers.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Approx. Shaft dia. mm.	Shaft Length mm.	Smallest Socket through which blade will pass	Blade width mm.
39500/1	Fixed Paddle Stirrers 6 mm	600	55/44	50
39500/2	Fixed Paddle Stirrers 8 mm	600	55/44	50
39500/3	Fixed Paddle Stirrers 10 mm	750	100 mm.	80



### 17.6 Semi Micro Stirrers

• Made of Heat Resistant Borosilicate Glass.

## **Ordering Information with Specifications:**

Cat. No.	Туре	Diameter mm.	Length mm.
39600/1	Semi Micro Stirrers, Screw	4	210
39600/2	Semi Micro Stirrers, Anchor	4	210

### 17.7 Stirrers Guides.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	To Fit Stirrer shaft	Socket	Cone	Approx. Stem Length mm.
39700/1	Stirrers Guides 6 mm	19/26	19/26	200 mm
39700/2	Stirrers Guides 10 mm	24/29	24/29	300 mm



## 17.8 Mercury Seal Glands and Guide.

• Made of Heat Resistant Borosilicate Glass.

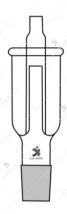


Cat. No.	To Fit Stirrer shaft	Cone	Approx. Stem Length mm.
39800/1	Mercury Seal Glands 6 mm	19/26	200 mm
39800/2	Mercury Seal Glands 6 mm	24/29	200 mm
39800/3	Mercury Seal Glands 8 mm	34/35	200 mm



## 17.9 Mercury Seal Glands and Cap.

• Made of Heat Resistant Borosilicate Glass.



Cat. No. To Fit Stirrer shaft		Cone	
39900/1	Mercury Seal Glands 6 mm	19/26	
39900/2	Mercury Seal Glands 6 mm	24/29	
39900/3	Mercury Seal Glands 8 mm	34/35	
39900/4	Mercury Seal Glands 6 or 8 mm	24/29 with Teflon tube	
39900/5	Mercury Seal Glands 6 or 8 mm	34/35 with Teflon tube	



### 17.10 Stuffing Box Glands, with brass pulley fitted with ball bearing.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	To Fit Stirrer shaft	Cone	Material of Cone
40000/1	Stuffing Box Glands 6 mm	19/26	PTFE
40000/2	Stuffing Box Glands 6-8 mm	24/29	PTFE
40000/3	Stuffing Box Glands 8 mm	34/35	PTFE
40000/4	Stuffing Box Glands 8-10 mm	29/32	PTFE



## 17.11 Simple Glands with Cap.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	To Fit Stirrer shaft	Cone
40100/1	Simple Glands 6 mm	14/23
40100/2	Simple Glands 6 mm	19/26
40100/3	Simple Glands 6 mm	24/29



#### 18. INTERCHANGEABLE GROUND JOINT ASSEMBLIES

Interchangeable Ground Joints Assemblies are used in laboratories to quickly and easily fit leak-tight apparatus together from commonly available parts. For example, a round bottom flask, Liebig condenser, and oil bubbler with ground glass joints may be rapidly fitted together to reflux a reaction mixture. This is a large improvement compared with older methods of custom-made glassware, which was time-consuming and expensive, or the use of less chemical resistant and heat resistant corks or rubber bungs and glass tubes as joints, which took time to prepare as well.

To connect the hollow inner spaces of the glassware components, ground glass joints are hollow on the inside and open at the ends, except for stoppers.

## 18.1 Distillation Apparatus, Consists of 500 ml. flask, 200 mm. Graham Condenser, and stopper.

- Made of Heat Resistant Borosilicate Glass.
- Consists of 500 ml. flask, 200 mm. Graham Condenser, and stopper.



Cat. No	Flask Capacity ml.	Condenser Effective length mm.
47100	Distillation Apparatus 500 ml.	200 mm.



### 18.2 Distillation Apparatus, Consists of 2000 ml. flask, Friedrich condenser, and stopper.

- Made of Heat Resistant Borosilicate Glass.
- Consists of 2000 ml. flask, Friedrich condenser, and stopper.



## **Ordering Information with Specifications:**

Cat. No. 47200

Flask Capacity 2000 ml.



## 18.3 Distillation Apparatus, compact, Consists of 1000 ml. Erlenmeyer flask, Friedrich condenser.

- Made of Heat Resistant Borosilicate Glass.
- Compact, Consists of 1000 ml. Erlenmeyer flask, Friedrich condenser.



## **Ordering Information with Specifications:**

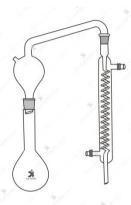
Cat. No. 47300

Flask Capacity 1000 ml.



## 18.4 Distillation Apparatus, Ammonia, Consists of 500 ml. Kjeldahl Flask, splash head and Graham condenser.

- Made of Heat Resistant Borosilicate Glass.
- Consists of 500 ml. Kjeldahl Flask, splash head and Graham condenser.



**Ordering Information with Specifications:** 

Cat. No. 47400

Flask Capacity 500 ml.



### 18.5 Reflux Assemblies, Consists of R.B. Flask and Air Condenser.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B. Flask and Air Condenser.



Cat. No.	Flask Capacity ml.	Condenser Effective length mm.
47500/1	Reflux Assemblies 100 ml.	500
47500/2	Reflux Assemblies 250 ml.	750
47500/3	Reflux Assemblies 500 ml.	1000



### 18.6 Reflux Assemblies, Consists of R.B. Flask and Liebig Condenser.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B. Flask and Liebig Condenser.

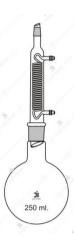


Cat. No.	Flask Capacity ml.	Condenser Effective length mm.
47600/1	Reflux Assemblies 100 ml.	300
47600/2	Reflux Assemblies 250 ml.	400
47600/3	Reflux Assemblies 500 ml.	500



### 18.7 Reflux Assembly, Consists of R.B. Flask 1000 ml. and a reversible Coil Condenser.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B. Flask 1000 ml. and a reversible Coil Condenser.



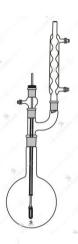
## **Ordering Information with Specifications:**

- R.B. Flask 1000 ml. and
- Reversible Coil Condenser



### 18.8 Reflux Assembly, Consists of R.B. Flask 500 ml.

• Made of Heat Resistant Borosilicate Glass.



## **Ordering Information with Specifications:**

- R.B. Flask 500 ml.,
- Multiple adapter two necks,
- Stirrer guide,
- Rubber sleeve gland,
- Link stirrer 450 mm.,
- Vertical Allihn condenser 300 mm.



### 18.9 Reflux with Stirrer Assembly, consists of R.B. Flask 1000 ml.

• Made of Heat Resistant Borosilicate Glass.



## **Ordering Information with Specifications:**

- R.B. Flask 1000 ml.,
- Multiple adapter three necks,
- Stirrer guide,
- Rubber sleeve gland,
- Collapsible paddle stirrer 450 mm.,
- Coil condenser 150 mm.,
- Drying tube,
- Separating funnel 100 ml.
- Stopper.



## 18.10 Reaction Assembly, Consists of R.B. Flask 500 ml.

• Made of Heat Resistant Borosilicate Glass.



## **Ordering Information with Specifications:**

- R.B. Flask 500 ml.,
- Multiple adapter two necks,
- Stirrer gland with pulley,
- Link stirrer 450 mm.,
- Still head,
- Thermometer pocket,
- Liebig condenser 400 mm.
- Receiver adapter bend with vent,.
- R.B. Flask 100 ml.



### 18.11 Reaction Assembly, Consists of R.B. Flask 500 ml.

• Made of Heat Resistance Borosilicate Glass.



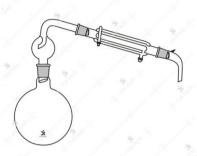
## **Ordering Information with Specifications:**

- R.B. Flask 500 ml.,
- Liebig condenser 400 mm.
- Adapter T. Connection,
- Separating funnel 100 ml.,
- Stopper



## 18.12 Distillation Assembly, consists of R.B flask, splash head, double surface condenser and receiver adapter.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B flask, splash head, double surface condenser and receiver adapter.

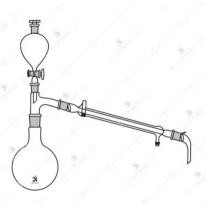


Cat. No.	Flask Capacity ml.	Condenser Effective length mm.
48200/1	Distillation Assembly 2000 ml.	200
48200/2	Distillation Assembly 3000 ml.	300
48200/3	Distillation Assembly 5000 ml.	400
48200/4	Distillation Assembly 10000 ml.	600



#### 18.13 Distillation Apparatus, consists of R.B. Flask 500 ml.

• Made of Heat Resistant Borosilicate Glass



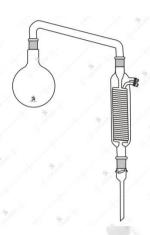
### **Ordering Information with Specifications:**

- R.B. Flask 500 ml,
- Still head,
- Liebig condenser 400 mm,
- Receiver adapter,
- Separating funnel 100 ml,
- Stopper.



#### 18.14 Distillation Apparatus, consists of R.B. Flask 1000 ml.

• Made of Heat Resistant Borosilicate Glass



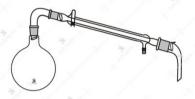
### **Ordering Information with Specifications:**

- R.B. Flask 1000 ml,
- Recovery bend,
- Inland revenue condenser 200 mm,
- Receiver adapter.



## 18.15 Distillation Apparatus, consists of R.B flask recovery bend, Liebig condenser and receiver adapter.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B flask recovery bend, Liebig condenser and receiver adapter.



Cat. No.	Flask Capacity ml	Condenser Effective length mm.
48500/1	Distillation Apparatus 250 ml.	200
48500/2	Distillation Apparatus 500 ml.	300
48500/3	Distillation Apparatus 1000 ml.	350
48500/4	Distillation Apparatus 2000 ml.	400



## 18.16 Preparation Assembly, Consists of R.B. Flask, Still head, Thermometer, Liebig Condenser and receiver adapter.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B. Flask, Still head, Thermometer, Liebig Condenser and receiver adapter.

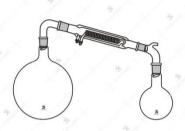


Cat. No.	Flask Capacity ml.	Condenser Effective length mm.
48600/1	Preparation Assembly 500 ml.	300
48600/2	Preparation Assembly 1000 ml.	350
48600/3	Preparation Assembly 2000 ml.	400



#### 18.17 Vacuum Distillation, consists of R.B. Flask 1000 ml.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

- R.B. Flask 1000 ml.,
- Recovery bend,
- Jacketed coil condenser 150 mm.,
- Receiver adapter bent with vent,
- R.B. Flask 250 ml.



#### 18.18 Kjedahl Distillation Assembly, consists of R.B. Flask 1000 ml.

• Made of Heat Resistant Borosilicate Glass.



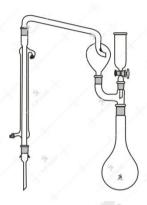
### **Ordering Information with Specifications:**

- R.B. Flask 1000 ml.,
- Multiple adapter two necks,
- Splash head verticle,
- Liebig condenser,
- Receiver adapter,
- Dropping funnel 100 ml.



#### 18.19 Kjedahl Distillation Assembly, consists of Kjedahl Flask 500 ml.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

- Kjedahl Flask 500 ml.,
- Multiple adapter two necks,
- Splash head verticle,
- Liebig condenser,
- Receiver adapter,
- Dropping funnel 100 ml.



#### 18.20 Steam Distillation Assembly, consists of R.B. Flask 2 necks 500 ml.

• Made of Heat Resistant Borosilicate Glass.



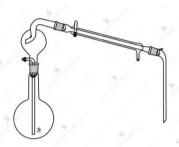
### **Ordering Information with Specifications:**

- R.B. Flask 2 necks 500 ml.,
- Splash head,
- Liebig condenser 200 mm,
- Receiver adapter,
- Air leak tube.



#### 18.21 Steam Distillation Assembly, consists of R.B. Flask 500 ml.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

- R.B. Flask 500 ml.,
- Steam distillation head,
- Liebig condenser 400 mm,
- Receiver adapter.



#### 18.22 Steam Distillation Assembly, consists of R.B. Flask 1000 ml.

• Made of Heat Resistant Borosilicate Glass.



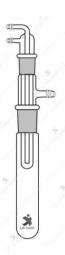
### **Ordering Information with Specifications:**

- R.B. Flask 1000 ml.,
- Multiple adapter two necks,
- Recovering bend slopping,
- Jacketed coil condenser,
- Receiver adapter.



#### 18.23 Vacuum Sublimation Assembly.

• Made of Heat Resistant Borosilicate Glass.



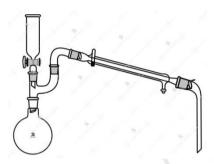
### **Ordering Information with Specifications:**

- Test tube,
- Adapter with T connection,
- Immersion condenser.



### 18.24 Recovery Assembly, consists of R.B. Flask 250 ml.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

- R.B. Flask 250 ml.,
- Multiple adapter two necks,
- Recovery condenser 400 mm.,
- Receiver adapter.
- Dropping funnel 100 ml.



#### 18.25 Recovery Assembly, consists of R.B. Flask 2000 ml.

• Made of Heat Resistant Borosilicate Glass.



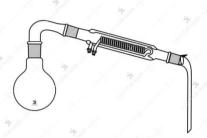
### **Ordering Information with Specifications:**

- R.B. Flask 2000 ml.,
- Still head,
- Jacketed coil condenser 150 mm.,
- Receiver adapter.
- Separating funnel 100 ml.
- Stopper.



### 18.26 Solvent Recovery Assembly, consists of R.B. Flask 150 ml.

• Made of Heat Resistant Borosilicate Glass.



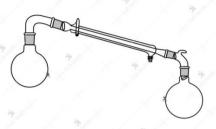
### **Ordering Information with Specifications:**

- R.B. Flask 150 ml.,
- Recovery bend,
- Jacketed coil condenser 150 mm.,
- Receiver adapter.



### 18.27 Solvent Recovery Assembly, consists of R.B. Flask 250 ml.

• Made of Heat Resistant Borosilicate Glass.



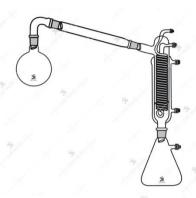
### **Ordering Information with Specifications:**

- R.B. Flask 250 ml.,
- Recovery bend slopping,
- Liebig condenser 400 mm.,
- Receiver adapter bend with vent.
- R.B. Flask 250 ml.



#### 18.28 Solvent Recovery Assembly, consists of R.B. Flask 500 ml.

• Made of Heat Resistant Borosilicate Glass.



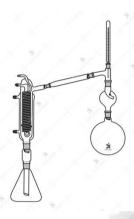
### **Ordering Information with Specifications:**

- R.B. Flask 500 ml.,
- Recovery bend slopping,
- Liebig condenser 400 mm.,
- Receiver adapter bend with vent.
- Buchner Flask 250 ml.



#### 18.29 Solvent Recovery Assembly, consists of R.B. Flask 3000 ml.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

- R.B. Flask 3000 ml.,
- Splash head adapter vertical,
- Still head recovery with thermometer socket,
- Air condenser,
- Ether condenser,
- Receiver adapter,
- Conical Flask 1000 ml,
- Thermometer.



#### 18.30 Fractionation Assembly, consists of R.B. Flask 500 ml.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

- R.B. Flask 500 ml.,
- Cup joint adapter,
- Ball joint adapter,
- Joint clip S-35,
- Air condenser,
- Multiple adapter two necks parallel,
- Immersion condenser,
- Still head recovery,
- Thermometer pocket,
- Liebig condenser,
- Receiver adapter straight.



#### 18.31 Fractionation Assembly, consists of R.B. Flask 250 ml.

• Made of Heat Resistant Borosilicate Glass.

### **Ordering Information with Specifications:**

- R.B. Flask 250 ml.,
- Air condenser,
- Still head recovery,
- Thermometer,
- Liebig condenser,
- Bend with multiple connections and vacuum connection,
- 3 R.B. Flask 25 ml.



#### 18.32 Fractionation Assembly, consists of R.B. Flask 1000 ml.

• Made of Heat Resistant Borosilicate Glass.



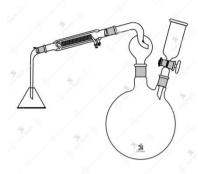
#### **Ordering Information with Specifications:**

- R.B. Flask 1000 ml.,
- Swan neck adapter,
- Air condenser,
- Multiple adapter two necks at 45<sup>0</sup>,
- Immersion condenser,
- Still head recovery,
- Thermometer,
- Liebig condenser,
- Ball joint adapter with socket,
- Cup joint adapter with cone,
- Separating funnel 100 ml,
- Reduction adapter,
- R.B. flask 2 neck 500 ml,
- Vacuum release stopcock,
- Joint clip.



#### 18.33 Continuous Water Distillation Assembly, consists of two neck Flask 2000 ml.

• Made of Heat Resistant Borosilicate Glass.



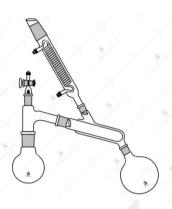
### **Ordering Information with Specifications:**

- Two neck Flask 2000 ml.,
- Dropping funnel 100 ml.,
- Splash head,
- Jacketed coil condenser,
- Receiver adapter,
- Conical funnel.



### 18.34 Vacuum Drying Pistol, consists of Desiccant Flask 100 ml.

• Made of Heat Resistant Borosilicate Glass.



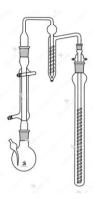
### **Ordering Information with Specifications:**

- Desiccant Flask 100 ml.,
- Boiling flask 250 ml.



#### 18.35 Alkoxyle and Alkylimino Group Determination Apparatus, (Micro Zeisel)

• Made of Heat Resistant Borosilicate Glass.

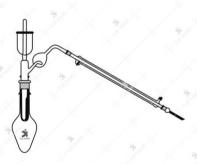


### **Ordering Information:**

Cat. No. 50400

### 18.36 Micro Acetyl Group Determination Apparatus, (Wiesenberger)

• Made of Heat Resistant Borosilicate Glass.

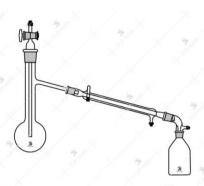


#### **Ordering Information:**



#### 18.37 Mercury Distillation Assembly, Hulett, consists of distillation Flask 500 ml.

• Made of Heat Resistant Borosilicate Glass.



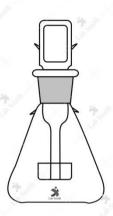
### **Ordering Information with Specifications:**

- Distillation Flask 500 ml.,
- Stopcock controlled air bleeding tube,
- Air condenser 500 mm,
- Liebig condenser 200 mm,
- Vacuum receiver adapter,
- Receiving bottle.



#### 18.38 Cavett Blood Test Apparatus, consists of Conical Flask 100 ml.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

#### Cat. No. 50700

• Conical Flask 100 ml.



#### 18.39 Kozellka and Hine Blood Test Apparatus.

Made of Heat Resistant Borosilicate Glass.

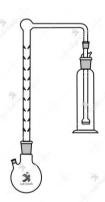


### **Ordering Information:**

Cat. No. 50800

### 18.40 Carbaryl Content Determination Apparatus, as per I.S. Specification.

Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information:**



### 18.41 Steam Distillation Apparatus for Flouride Determination, as per I.S. Specification.

Made of Heat Resistant Borosilicate Glass.



### **Ordering Information:**



#### 19. EXTRACTORS

An extractor is a piece of laboratory apparatus. It was originally designed for the extraction of a lipid from a solid material. Typically, a extraction is used when the desired compound has a limited solubility in a solvent, and the impurity is insoluble in that solvent. It allows for unmonitored and unmanaged operation while efficiently recycling a small amount of solvent to dissolve a larger amount of material.

#### 19.1 Soxhlet Extraction, consists of Flask, Extractor and Condenser.

- Made of Heat Resistant Borosilicate Glass.
- Consists of Flask, Extractor and Condenser.



Cat. No.	Extractor Capacity ml.	Extractor Socket	Extractor Cone	Flask Capacity R.B./F.B.
70100/1	Soxhlet Extraction 20 ml.	24/29	19/26	20
70100/2	Soxhlet Extraction 40 ml.	29/32	24/29	100
70100/3	Soxhlet Extraction 60 ml.	34/35	24/29	150
70100/4	Soxhlet Extraction 100 ml.	34/35	24/29	250
70100/5	Soxhlet Extraction 100 ml.	40/38	24/29	250
70100/6	Soxhlet Extraction 200 ml.	50/42	24/29	500
70100/7	Soxhlet Extraction 400 ml.	50/42	24/29	1000
70100/8	Soxhlet Extraction 600 ml.	50/42	24/29	2000
70100/9	Soxhlet Extraction 1000 ml.	55/44	34/35	3000
70100/10	Soxhlet Extraction 2000 ml.	55/44	34/35	5000
70100/11	Soxhlet Extraction 3000 ml.	55/44	34/35	10000



### 19.2 Spare Extractor, for Soxhelt.

• Made of Heat Resistant Borosilicate Glass.



Orucing into	mation with specifications.		
Cat. No.	Capacity ml.	Socket	Cone
70200/1	Spare Extractor 20 ml.	24/29	19/26
70200/2	Spare Extractor 40 ml.	29/32	24/29
70200/3	Spare Extractor 60 ml.	34/35	24/29
70200/4	Spare Extractor 100 ml.	34/35	24/29
70200/5	Spare Extractor 100 ml.	40/38	24/29
70200/6	Spare Extractor 200 ml.	50/42	24/29
70200/7	Spare Extractor 400 ml.	50/42	24/29
70200/8	Spare Extractor 600 ml.	50/42	24/29
70200/9	Spare Extractor 1000 ml.	55/44	34/35
70200/10	Spare Extractor 2000 ml.	55/44	34/35
70200/11	Spare Extractor 3000 ml.	55/44	34/35



## 19.3 Soxhlet Extraction, consists of R.B. Flask, Extractor with Flat flange, reduction adapter with flat flange and socket and double surface condenser.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B. Flask, Extractor with Flat flange, reduction adapter with flat flange and socket and double surface condenser.



Cat. No.	Extractor Capacity ml.	Flask Capacity ml.
70300/1	Soxhlet Extraction 600 ml	2000
70300/2	Soxhlet Extraction 1000 ml	3000
70300/3	Soxhlet Extraction 2000 ml	5000
70300/4	Soxhlet Extraction 3000 ml	10000



## 19.4 Soxhlet Extraction, consists of R.B. Flask, Globular type Extractor and double surface condenser.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B. Flask, Globular type Extractor and double surface condenser.



Cat. No.	Extractor Capacity ml.	Flask Capacity ml.
70400/1	Soxhlet Extraction 1000 ml.	2000
70400/2	Soxhlet Extraction 2000 ml.	3000
70400/3	Soxhlet Extraction 3000 ml.	5000
70400/4	Soxhlet Extraction 4000 ml.	10000
70400/5	Soxhlet Extraction 6000 ml.	10000



## 19.5 Soxhlet Fat Extraction, consists of R.B. Flask, Aspirator type Extractor with fitting, and double surface condenser.

- Made of Heat Resistant Borosilicate Glass.
- Consists of R.B. Flask, Aspirator type Extractor with fitting, and double surface condenser.

Cat. No.	Extractor Capacity ml.	Flask Capacity ml.
70500/1	Soxhlet Extraction 5000 ml.	5000
70500/2	Soxhlet Extraction 10000 ml.	10000
70500/3	Soxhlet Extraction 20000 ml.	20000



#### 20. CHROMATOGRAPHY

Chromatography in chemistry is a method used to purify individual chemical compounds from mixtures of compounds.

#### 20.1 Chromatography Assembly, Semi Micro, consisting of funnel Reservoir 50 ml.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering information with Specifications:**

- Funnel Reservoir 50 ml. capacity with 14/23 cone and socket,
- Column tube with tap, 12 mm dia, 10 cm effective length with 14/23 socket, 19/26 cone and fused sintered disc.
- Filtering flask 100 ml with 19/26 socket, tamping rod 40 cm long.



### 20.2 Chromatography Assembly, consisting of dropping funnel 250 ml.

• Made of Heat Resistant Borosilicate Glass.



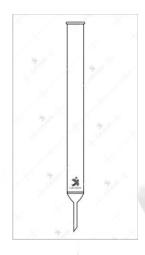
### **Ordering information with Specifications:**

- Dropping funnel 250 ml. capacity with 19/26 cone,
- Reduction adapter with 19/26 socket and 24/29 cone,
- Column tube with tap, 02 cm dia, 20 cm effective length with 24/29 socket, 19/26 cone and fused sintered disc.
- Adapter with tap 19/26 socket 24/29 cone,
- Filtering flask 250 ml with 24/29 socket, tamping rod 50 cm long.



### 20.3 Chromatography Columns, with integral sintered disc, without stopcock.

- Made of Heat Resistant Borosilicate Glass.
- With integral sintered disc, without stopcock



Cat No.	Effective Length cm.	Disc Diameter mm.
80300/1	Chromatography Column 15 cm.	10
80300/2	Chromatography Column 20 cm.	15
80300/3	Chromatography Column 30 cm.	15
80300/4	Chromatography Column 40 cm.	20
80300/5	Chromatography Column 40 cm.	30
80300/6	Chromatography Column 50 cm.	30
80300/7	Chromatography Column 50 cm.	40
80300/8	Chromatography Column 60 cm.	40
80300/9	Chromatography Column 100 cm.	40



#### 20.4 Chromatography Columns, with integral sintered disc and Glass key stop cock.

- Made of Heat Resistant Borosilicate Glass.
- With integral sintered disc and Glass key stop cock.



Cat No.	Effective Length cm.	Disc Diameter mm.
80400/1	Chromatography Column 15 cm.	10
80400/2	Chromatography Column 20 cm.	15
80400/3	Chromatography Column 30 cm.	15
80400/4	Chromatography Column 40 cm.	20
80400/5	Chromatography Column 40 cm.	30
80400/6	Chromatography Column 50 cm.	30
80400/7	Chromatography Column 50 cm.	40
80400/8	Chromatography Column 60 cm.	40
80400/9	Chromatography Column 100 cm.	40



## 20.5 Chromatography Columns, with integral sintered disc and screw type PTFE Needle Valve rotaflow stopcock.

- Made of Heat Resistant Borosilicate Glass.
- With integral sintered disc and screw type PTFE Needle Valve rotaflow stopcock.



Cat No.	Effective Length cm	Disc Diameter mm
80500/1	Chromatography Column 15 cm	10
80500/2	Chromatography Column 20 cm	15
80500/3	Chromatography Column 30 cm	15
80500/4	Chromatography Column 40 cm	20
80500/5	Chromatography Column 40 cm	30
80500/6	Chromatography Column 50 cm	30
80500/7	Chromatography Column 50 cm	40
80500/8	Chromatography Column 60 cm	40
80500/9	Chromatography Column 100 cm	40



### 20.6 Chromatography Columns, with integral sintered disc and PTFE key Stopcock.

- Made of Heat Resistant Borosilicate Glass.
- With integral sintered disc and PTFE key Stopcock.



Cat. No.		
80600/1		
80600/2	Chromatography Column 30 cm.	10
80600/3	Chromatography Column 30 cm.	20
80600/4	Chromatography Column 45 cm.	20
80600/5	Chromatography Column 45 cm.	30
80600/6	Chromatography Column 60 cm.	30



### 20.7 Plain Chromatography Absorption Columns, without stopcock.

• Made of Heat Resistant Borosilicate Glass.



Cat No.	Effective Length cm.	O.D mm.
80700/1	Plain Chromatography Column 20 cm.	10
80700/2	Plain Chromatography Column 30 cm.	15
80700/3	Plain Chromatography Column 50 cm.	20
80700/4	Plain Chromatography Column 60 cm. 25	
80700/5	Plain Chromatography Column 60 cm. 40	
80700/6	Plain Chromatography Column 100 cm. 50	
80700/7	Plain Chromatography Column 115 cm. 100	
80700/8	Plain Chromatography Column 180 cm.	100



### 20.8 Chromatography Columns, Plain with stopcock.

• Made of Heat Resistant Borosilicate Glass.



Cat No.	Effective Length cm.	O.D mm.
80800/1	Chromatography Column 20 cm.	
80800/2	Chromatography Column 30 cm.	15
80800/3	Chromatography Column 50 cm. 20	
80800/4	Chromatography Column 60 cm. 25	
80800/5	Chromatography Column 60 cm. 40	
80800/6	Chromatography Column 100 cm. 50	
80800/7	Chromatography Column 115 cm. 100	
80800/8	Chromatography Column 180 cm.	100



## 20.9 Chromatography Columns, Plain with screw type PTFE Needle Valve rotaflow Stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Plain with screw type PTFE Needle Valve rotaflow Stopcock.



Cat No.	Effective Length cm. O.D mm	
80900/1	Chromatography Column 20 cm.	10
80900/2	Chromatography Column 30 cm.	15
80900/3	Chromatography Column 50 cm. 20	
80900/4	Chromatography Column 60 cm. 25	
80900/5	Chromatography Column 60 cm. 40	
80900/6	Chromatography Column 100 cm. 50	
80900/7	Chromatography Column 100 cm. 60	



## 20.10 Chromatography Columns, Plain with PTFE key Stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Plain with PTFE key Stopcock.



Cat No.	Cat No. Effective Length cm.	
81000/1	Chromatography Column 15 cm.	10
81000/2	Chromatography Column 30 cm.	10
81000/3	Chromatography Column 30 cm. 20	
81000/4	Chromatography Column 45 cm. 20	
81000/5	Chromatography Column 45 cm. 30	
81000/6	Chromatography Column 60 cm. 30	
81000/7	Chromatography Column 100 cm. 40	
81000/8	Chromatography Column 115 cm.	100



## 20.11 Chromatography Columns, with integral sintered disc, Glass key stopcock, socket and cone.

- Made of Heat Resistant Borosilicate Glass.
- With integral sintered disc, Glass key stopcock, socket and cone.



Cat No.	Effective Length cm.	I.D. mm.	Socket	Cone
81100/1	Chromatography Column 100 cm.	10	14/23	19/26
81100/2	Chromatography Column 200 cm.	10	14/23	19/26
81100/3	Chromatography Column 300 cm.	10	14/23	19/26
81100/4	Chromatography Column 300 cm.	20	24/29	19/26
81100/5	Chromatography Column 400 cm.	20	24/29	19/26
81100/6	Chromatography Column 400 cm.	20	24/29	24/29



#### 20.12 Chromatography Columns, with integral sintered disc, socket and cone.

- Made of Heat Resistant Borosilicate Glass.
- With integral sintered disc, socket and cone.



Cat No.	Effective Length cm.	I.D. mm.	Socket	Cone
81200/1	Chromatography Column 200 cm.	20	24/29	19/26
81200/2	Chromatography Column 300 cm.	20	24/29	19/26
81200/3	Chromatography Column 400 cm.	20	24/29	19/26



### 20.13 Gas Tight Micro Litre Syringe Fixed Needle.

• Made of Heat Resistant Borosilicate Glass.



rucing mornation with specifications.		
Cat. No. Capacity (µl.)		
81300/1	Micro Litre Syringe 10 μl.	
81300/2	Micro Litre Syringe 25 μl.	
81300/3	Micro Litre Syringe 50 μl.	
81300/4	Micro Litre Syringe 100 μl.	
81300/5	Micro Litre Syringe 250 μl.	
81300/6	Micro Litre Syringe 500 μl.	
81300/7	Micro Litre Syringe 1000 μl.	



### 20.14 Gas Tight Micro Litre Syringe Removable Needle.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Capacity (µl.)	
80400/1	Micro Litre Syringe 10 μl.	
80400/2	Micro Litre Syringe 25 μl.	
80400/3	Micro Litre Syringe 50 μl.	
80400/4	Micro Litre Syringe 100 μl.	
80400/5	Micro Litre Syringe 250 μl.	
80400/6	Micro Litre Syringe 500 μl.	
80400/7	Micro Litre Syringe 1000 μl.	



## 20.15 Chromatography Vials, Screw Cap, with PTFE bonded silicon 1mm Septa & Cap.

- Made of clear glass tubing.
- Screw Cap, with PTFE bonded silicon 1mm Septa & Cap.



Cat. No.	Capacity Approx.	Dia. x Length x Neck Dia. mm.	
81500/1	Chromatography vial 4ml	15 x 45 x 13	
81500/2	Chromatography vial 6ml	23 x 40 x 15	
81500/3	Chromatography vial 10ml	23 x 46 x 15	
81500/4	Chromatography vial 20ml	23 x 75 x 15	



## 20.16 Chromatography Vials, Screw Cap, with PTFE bonded silicon 1mm Septa & Cap. (Amber)

- Made of clear glass tubing. (Amber)
- Screw Cap, with PTFE bonded silicon 1mm Septa & Cap.



Cat. No.	Capacity Approx.	Dia. x Length x Neck Dia. mm.
81500A/1	Chromatography vial 4ml.	15x45x13
81500A/2	Chromatography vial 6ml.	23x40x15
81500A/3	Chromatography vial 10ml.	23x46x15
81500A/4	Chromatography vial 20ml.	23x75 x15



### 20.17 Chromatography Vials, Crimp Neck, with Aluminium cap and rubber stopper.

- Made of clear glass tubing.
- Crimp Neck, with Aluminium cap and rubber stopper.



ordering information with specifications.		
Cat. No.	Capacity Approx.	Dia. x Length x Neck Dia. mm
81600/1	Chromatography vial 4ml.	16 x 33 x 13
81600/2	Chromatography vial 6ml.	20 x 41 x 20
81600/3	Chromatography vial 10ml.	24 x 44 x 20
81600/4	Chromatography vial 20ml.	24 x 71 x 20



### 20.18 Chromatography Vials, Crimp Neck, with Aluminium cap and rubber stopper. (Amber)

- Made of clear glass tubing. (Amber)
- Crimp Neck, with Aluminium cap and rubber stopper.



Cat. No.	Capacity Approx.	Dia. x Length x Neck Dia. mm.
81600A/1	Chromatography vial 4ml.	16 x 33 x 13
81600A/2	Chromatography vial 6ml.	20 x 41 x 20
<b>81600A/3</b> Chromatography vial 10ml. 24 x 44 x 20		24 x 44 x 20
81600A/4	Chromatography vial 20ml.	24 x 71 x 20



### 20.19 Sample Vial and Closures.

• Made of clear glass tubing and silicon septa.



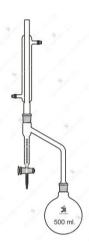
Cat. No.	Specifications	
81700/1	9 mm., PTFE, Silicon Septa, Screw Cap	
81700/2	9 mm., Preslit, PTFE, Silicon Septa, Screw Cap	
81700/3	9 mm., PTFE, Silicon Septa Bonded, Screw Cap	
81700/4	9 mm., Preslit, PTFE, Silicon Septa Bonded, Screw Cap	
81700/5	9 mm., 2 ml., 12x32, Screw Top Vial	



## 21. DETERMINATION ASSEMBLIES

### 21.1 Moisture Determination Unit, Dean & Stark, with Stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Dean & Stark, with Stopcock.

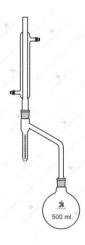


Cat. No.	Capacity of Receiver	Cap. Of R.B. Flask ml.
82100/1	Moisture Determination Unit 2 ml	250
82100/2	Moisture Determination Unit 5 ml 500	
<b>82100/3</b> Moisture Determination Unit 10 ml 1000		1000
82100/4	Moisture Determination Unit 25 ml	1000



### 21.2 Moisture Determination Unit, Dean & Stark, without Stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Dean & Stark, without Stopcock.

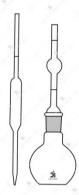


Cat. No.	Capacity of Receiver	Cap. Of R.B. Flask ml.
82200/1	Moisture Determination Unit 2 ml	250
82200/2	Moisture Determination Unit 5 ml 500	
82200/3	Moisture Determination Unit 10 ml 1000	
82200/4	Moisture Determination Unit 25 ml 1000	



#### 21.3 Soil moisture gauge, For rapid determination of soil moisture content.

- Made of Heat Resistant Borosilicate Glass.
- For rapid determination of soil moisture content.



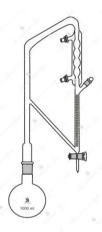
### **Ordering information with Specifications:**

- It takes less than 5 minutes,
- Simple,
- Inexpensive,
- Highly useful in irrigation and compaction control programmes.



## 21.4 Essential Oil Determination Unit, (Clevenger Type), Vertical tube with condenser and measuring tube with stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Vertical tube with condenser and measuring tube with stopcock.



Cat. No.	Flask Capacity ml.	
82400/1	Essential Oil Determination Unit 1000 ml.	
82400/2	Essential Oil Determination Unit 2000 ml.	
82400/3	Essential Oil Determination Unit 3000 ml.	
82400/4	Essential Oil Determination Unit 5000 ml.	
82400/5	Essential Oil Determination Unit 10000 ml.	
82400/6	Essential Oil Determination Unit 20000 ml.	



### 21.5 Clevenger Assembly, for determination of volatile oil lighter than water.

- Made of Heat Resistant Borosilicate Glass.
- For determination of volatile oil lighter than water.



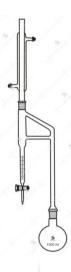
## **Ordering information with Specifications:**

- Flask 1000 ml.,
- Oil separatory tube,
- Condenser.



#### 21.6 Clevenger Assembly, for determination of volatile oil heavier than water.

- Made of Heat Resistant Borosilicate Glass.
- For determination of volatile oil heavier than water.



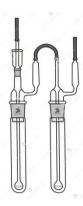
## Ordering information with Specifications:

- Flask 1000 ml.,
- Oil separatory tube,
- Condenser.



### 21.7 Macro Kjeldahl Distillation, comprising of 500 ml. Kjeldahl flask.

Made of Heat Resistant Borosilicate Glass.



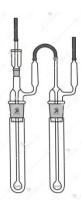
### **Ordering information with Specifications:**

- Kjeldahl flask 500 ml.,
- Multiple adapter,
- Dropping funnel with plug,
- Splash head,
- Condenser,
- Receiver adapter, as per Quickfit.



### 21.8 Macro Nitrogen Determination, (Leurquin Apparatus).

• Made of Heat Resistant Borosilicate Glass.



### **Ordering information with Specifications:**

#### Cat. No. 82800

Ammonia is entertained in a steam of air which may be drawn through the tubes using an ordinary filter pump, digestion and distillation can be carried out in the same test tube and a number of determinations can be carried out simultaneously.

Alkalisation unit comprising of absorption head with plug, aeration head and 2 test tubes.



### 21.9 Semi Macro Kjeldahl Unit.

• Made of Heat Resistant Borosilicate Glass.



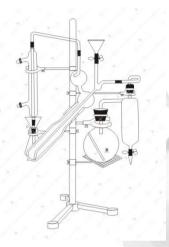
Ordering information with Specifications.		
Cat. No.	Specifications	
82900/1	Comprising of 50 ml. flask, distillation head with funnel, plug and condenser. With spherical joints.	
82900/2	Comprising of 100 ml. flask, distillation head with funnel, plug and condenser. With spherical joints.	
82900/3	Comprising of 50 ml. flask, distillation head with funnel, plug and condenser. With conical joints.	
82900/4	Comprising of 100 ml. flask, distillation head with funnel, plug and condenser. With conical joints.	



## 21.10 Macro Kjeldahl Nitrogen Distillation Assembly, (Pregl. Parnas and Wagner Apparatus)

• Made of Heat Resistant Borosilicate Glass.

Comprising of steam generation flask, steam trap, vacuum jacketed flask with funnel, condenser tube of silver and receiving flask, complete with heavy duty stand, brass clamps but without burner.

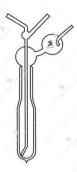


Cat. No.	Specifications	
83000/1	-do- with 1000 ml. steam generating flask	
83000/2	-do- with 2000 ml. steam generating flask	
83000/3	-do- with 1000 ml. steam generating flask and with glass tube condenser.	
83000/4	-do- with 2000 ml. steam generating flask and with glass tube condenser.	



### 21.11 Spare Vacuum Jacket for Cat. No. 83000.

• Made of Heat Resistant Borosilicate Glass.

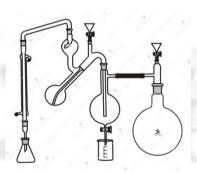


**Ordering information:** 

Cat. No. 83100

### 21.12 Parnas and Wagner Assembly

• Made of Heat Resistant Borosilicate Glass.



**Ordering information:** 



## 21.13 Markham Semi Macro Distillation Unit.

Made of Heat Resistant Borosilicate Glass.

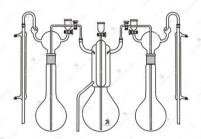


Cat. No.	Specifications	
83300/1	Comprising of Markham still body with enclosed evaporator vessel in a combined steam jacket and trap, funnel plug, condenser and spherical joint clip.	
83300/2	Comprising of Markham still body with enclosed evaporator vessel in a combined steam jacket and trap, funnel plug, condenser, conical joint clip and receiver adapter.	



### 21.14 Nitrogen Distillation Assembly, (Kemmerer, Hellet Design) Micro.

• Made of Heat Resistant Borosilicate Glass.

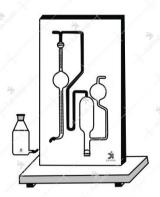


#### **Ordering information with Specifications:**

Cat. No.	Specifications
83400/1	Double stage for distillation of two samples.
83400/2	Double stage for distillation of one sample.

### 21.15 Oxygen Determination Assembly, as per I.S. specification, fitted on wooden stand.

- Made of Heat Resistant Borosilicate Glass.
- Fitted on wooden stand



#### **Ordering information:**



# 22. ARSENIC, SULPHUR, CARBON DETERMINATION GLASSWARE

#### 22.1 Arsenic Apparatus, Gutzeit modified from according to I.S. Specification.

• Made of Heat Resistant Borosilicate Glass.



**Ordering information:** 

Cat. No. 108-900

### 22.2 Arsenic Apparatus, according to B.P. Specifications.

• Made of Heat Resistant Borosilicate Glass.



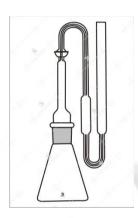
**Ordering information:** 

Cat. No. 109-000



## **22.3** Arsenic Apparatus, (Silver Diethyldithio carbonate method) according to I.S. Specifications.

• Made of Heat Resistant Borosilicate Glass.



**Ordering information:** 

Cat. No. 109-100

#### 22.4 Arsenic Apparatus

• Made of Heat Resistant Borosilicate Glass.

#### **Ordering information with Specifications:**

Cat. No. 109-200

For the determination of Arsenic and Sb. In brass, bronze, ferrous, and non ferrous alloys etc. by distillation, without stand, clamp, burner, and thermometer.



#### 22.5 Arsenic Determination Apparatus, Gutzeit (modified)

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering information with Specifications:**

Cat. No. 109-300

Comprising of 100 ml. bottle with interchangeable fitting. The arsenic tube is in two parts with ground flange ends, together with 30 ml. open top funnel attached in the bottle.

#### 22.6 Arsenic Apparatus as per USP 211, organic & inorganic materials.

Made of Heat Resistant Borosilicate Glass.

**Ordering information:** 

Cat. No. 109-400



### 22.7 Apparatus for Limit Test for Arsenic as per IP.

• Made of Heat Resistant Borosilcate Glass.

**Ordering information:** 

Cat. No. 109-500

### 22.8 Arsenic Limit Test Apparatus as per IP.

• Made of Heat Resistant Borosilcate Glass.

**Ordering information:** 

Cat. No. 109-600



#### 22.9 Absorption Vessel, with 3 valves, for KOH.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering information:**

Cat. No. 108-000

#### 22.10 Carbon Burette, Inner tube permanently graduated, with one valve at the top.

- Made of Heat Resistant Borosilicate Glass.
- Inner tube permanently graduated, with one valve at the top.

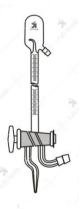


Cat. No.	Size %
108-100/1	Carbon Burette 1.5
108-100/2	Carbon Burette 4.5



## <u>22.11 Sulphur Burette, 4 ml. with automatic zero, three way double oblique bore stopcock at</u> the bottom.

- Made of Heat Resistant Borosilicate Glass.
- 4 ml. with automatic zero, three way double oblique bore stopcock at the bottom.

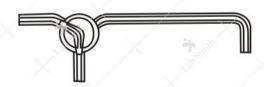


### **Ordering information:**

Cat. No. 108-200

#### 22.12 Stopcock, Three way, C bore, T shape.

- Made of Heat Resistant Borosilicate Glass.
- Three way, C bore, T shape.



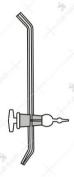
**Ordering information:** 

Cat. No. 108-300



#### 22.13 Stopcock, L shaped, Long glass tube, Twin Bore stopper.

- Made of Heat Resistant Borosilicate Glass.
- L shaped, Long glass tube, Twin Bore stopper.



### **Ordering information:**

Cat. No. 108-400

#### 22.14 Spiral Cooling Condenser

Made of Heat Resistant Borosilicate Glass.



#### **Ordering information:**

Cat. No. 108-500



### **22.15 Automatic Pipette**

• Made of Heat Resistant Borosilicate Glass.

### Ordering information with Specifications:

Cat. No.	Capacity ml.
108-600/1	Automatic Pipette 10 ml.
108-600/2	Automatic Pipette 15 ml.

## 22.16 Titration Vessel, 100 ml.

• Made of Heat Resistant Borosilicate Glass.

#### **Ordering information:**

Cat. No. 108-700



## 22.17 Oxygen Purifying Assembly

• Made of Heat Resistant Borosilicate Glass.



## **Ordering information:**

Cat. No. 108-800

## **22.18 Aspirator Bottles (Leveling Bottle)**

• Made of Heat Resistant Borosilicate Glass.

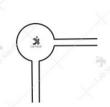


Cat. No.	Description	
109-700/1	Aspirator Bottle for Carbon Burette, 1000 ml.	
109-700/2	Aspirator Bottle for Carbon Burette, 1000 ml., long form	



### 22.19 View Bulb, for combustion tube.

- Made of Heat Resistant Borosilicate Glass.
- For combustion tube.



**Ordering information:** 

Cat. No. 109-800



## 23. CLINICAL LABORATORY GLASSWARE

Laboratory glassware refers to a variety of equipment, traditionally made of glass, used for scientific experiments and other work in science, especially in chemistry and biology laboratories. Especially borosilicate glass, pioneered by Otto Schott, or sodalime glass are preferred glass types for scientific experiments and other work in science, especially in chemistry and biology laboratories.

### 23.1 Albuinometer, Esbach's in case

• Made of Heat Resistant Borosilicate Glass.



**Ordering information:** 



### 23.2 Ureometer Doremus, with stop cock for rapid determination in urine.

- Made of Heat Resistant Borosilicate Glass.
- With stop cock for rapid determination in urine.

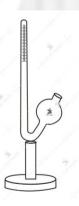


### **Ordering information:**

Cat. No. 91200

## 23.3 Ureometer Doremus, without stop cock.

- Made of Heat Resistant Borosilicate Glass.
- Without stop cock.



### **Ordering information:**



#### 23.4 Blood Sugar Tubes, Folin-Wu.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering information with Specifications:**

#### Cat. No. 91400

- Capacity 25 ml,
- Marked at 4 ml, 12.5 ml and 25 ml.

### 23.5 Tubes Digestion, Folin-Wu.

• Made of Heat Resistant Borosilicate Glass.



## Ordering information with Specifications:

#### Cat. No. 91500

• Marked at 35 ml and 50 ml,



• 25 mm O.D. x 200 mm Length.

### 23.6 Wintrode Tubes, 100 mm graduated.

- Made of Heat Resistant Borosilicate Glass.
- 100 mm graduated.



### **Ordering information:**

Cat. No. 91600

### 23.7 E.S.R. Tube, 200 mm graduated, 300 mm long.

- Made of Heat Resistant Borosilicate Glass.
- 200 mm graduated, 300 mm long.



### Ordering information with Specifications:

- Graduated 200 mm.
- Length 300 mm.



#### 23.8 Tube for Kahn and Wasserman test, 75 x 12 mm.

- Made of Heat Resistant Borosilicate Glass.
- For Kahn and Wasserman test, 75 x 12 mm.

Ordering information with Specifications:

Cat. No. 91800

### 23.9 Kahn's Antigen Dilution Tubes, 55x18 mm, Flat bottom

- Made of Heat Resistant Borosilicate Glass.
- 55x18 mm, Flat bottom



**Ordering information:** 



Cat. No. 91900

#### 23.10 Wasserman Tube, Rimless.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering information with Specifications:**

Cat. No.	Specifications
92000/1	Wasserman Tube 50 mm x 10 mm
92000/2	Wasserman Tube 75 mm x 10mm

## 23.11 Dreyer's Agglutination tube, Conical bottom.

- Made of Heat Resistant Borosilicate Glass.
- Conical bottom.



### **Ordering information:**



Cat. No. 92100

## 23.12 Durham Tube

• Made of Heat Resistant Borosilicate Glass.



### **Ordering information with Specifications:**

Cat. No.	Specifications	Minimum Qty./Pack
92200/1	Durham Tube 25 mm x 6 mm	100
92200/2	Durham Tube 37 mm x 6 mm	100
92200/3	Durham Tube 50 mm x 6 mm	100

### 23.13 Widal tube, Conical Bottom.

- Made of Heat Resistant Borosilicate Glass.
- Conical Bottom.





### **Ordering information:**

Cat. No. 92300

#### 23.14 Co-Agulation Tubes (melting point tube), capillary length.

• Made of Heat Resistant Borosilicate Glass.



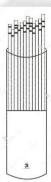
## **Ordering information:**

#### Cat. No. 92400

• Minimum Qty/Pack- 100 pcs.

### 23.15 Graduated Micro Capillary Pipettes, Disposable, calibrated "to contain".

- Made of Heat Resistant Borosilicate Glass.
- Disposable, calibrated "to contain".



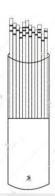
Cat Na	Canacity ul	Graduation	Colour
Cat. No.	Capacity µl.	μl.	Code



		1	
92500/1	Micro Capillary Pipette 5 µl	1,2,3,4, & 5	White
92500/2	Micro Capillary Pipette 5 μl	5	White
92500/3	Micro Capillary Pipette 10 μl	10	Orange
92500/4	Micro Capillary Pipette 10 μl	5 & 10	Orange
Cat. No.	Capacity µl.	Graduation µl.	Colour Code
92500/5	Micro Capillary Pipette 20 μl	10 & 20	Black
92500/6	Micro Capillary Pipette 20 μl	20	Black
92500/7	Micro Capillary Pipette 25 μl	25	White
92500/8	Micro Capillary Pipette 44 µl	44.7	Purple
92500/9	Micro Capillary Pipette 50 μl	50	Green
92500/10	Micro Capillary Pipette 100 μl	100	Blue
92500/11	Micro Capillary Pipette 200 μl	200	Red

### 23.16 Graduated Micro Capillary Pipettes, without colour coded and single mark.

- Made of Heat Resistant Borosilicate Glass.
- Without colour coded and single mark.



Cat. No.	Capacity µl.	Length mm.
92600/1	Micro Capillary Pipette 5 μl	90
92600/2	Micro Capillary Pipette 10 μl 90	
92600/3	Micro Capillary Pipette 20 μl	90
92600/4	Micro Capillary Pipette 25 μl	90
92600/5	Micro Capillary Pipette 50 μl	90
92600/6	Micro Capillary Pipette 100 μl	90
92600/7	Micro Capillary Pipette 200 μl	90



## 23.17 End to End Capillary Pipettes, Disposable.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Capacity µl.	Length mm.
92700/1	End to End Capillary Pipette 01.0 µl	32.00
92700/2	End to End Capillary Pipette 02.0 µ1	35.00
92700/3	End to End Capillary Pipette 03.0 µl	41.10
92700/4	End to End Capillary Pipette 04.0 µl	54.60
92700/5	End to End Capillary Pipette 05.0 µl	68.00
92700/6	End to End Capillary Pipette 10.0 µl	62.00
92700/7	End to End Capillary Pipette 20.0 µ1	70.00
92700/8	End to End Capillary Pipette 25.0 µl	87.40
92700/9	End to End Capillary Pipette 44.7 µl	57.00
92700/10	End to End Capillary Pipette 50.0 µl	52.30
92700/11	End to End Capillary Pipette 100.0 μl	87.80
92700/12	End to End Capillary Pipette TLC	100.0



## 23.18 Haematocrit Capillaries, Colour Blue for Non Heparinised and Red for Heparinised.

- Made of Heat Resistant Borosilicate Glass.
- Colour Blue for Non Heparinised and Red for Heparinised.



Cat. No.	Description	
92800/1	75mm non heparinised capillary (100/vial)	
92800/2	75mm heparnised capillary (100/vial)	
92800/3	125mm non heparinised blood gas analyzer (100/vial)	
92800/4	125mm heparinised blood gas analyzer (100/vial)	
92800/5	90mm B.T.C.T. (100/vial)	
92800/6	Mice Bleeding capillary (100/vial)	
92800/7	Rat Bleeding capillary (100/vial)	
92800/8	Rabbit Bleeding capillary (100/vial)	
92800/9	32mm strumia non heparinised capillary (100/vial)	
92800/10	32mm sterumia heparinnised capillary (100/vial)	



### 23.19 Micro Slide: 75 x 25

- Made of Heat Resistant Borosilicate Glass.
- Prepared from high Quality thin glass,
- 1.00-1.2mm thick packed with paper in between each slide
- Sealed in transparent P.P. Envelope,
- Pk. of 50.



Cat. No.	Type
92900	Ground Edges



### 23.20 Micro Slide: 75 x 25

- Made of Heat Resistant Borosilicate Glass.
- Prepared from high Quality thin glass,
- 1.00-1.2mm thick packed with paper in between each slide
- Sealed in transparent P.P. Envelope,
- Pk. of 50.

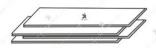


#### **Ordering information with Specifications:**

Cat. No.	Type
93000	Ground Edges & one side at one end 19mm frosted surface

### 23.21 Micro Slides: 75 x 25mm

- Made of Heat Resistant Borosilicate Glass.
- Prepared from high quality thin glass,
- 1.35mm thick,
- Pk. of 50.

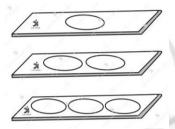


Cat. No.	Type
93100	Ground Edges



### 23.22 Micro Concavity Slides: 75 x 75 x 1.45mm

- Made of Heat Resistant Borosilicate Glass.
- Spherical Concavities are 15-18mm dia,
- 0.5 to 0.6mm deep,
- Bevelled and polished edges,
- Pk. of 10.

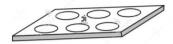


Cat. No.	No. Of Concavities
93200/1	One
93200/2	Two
93200/3	Three
93200/4	Blood Smear slides



#### 23.23 V.D.R.L. Slides (Kline Concavity Slides): 75 x 56 x 3 mm.

• Made of Heat Resistant Borosilicate Glass.



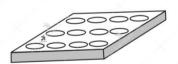
## **Ordering information with Specifications:**

#### Cat. No. 93300

- Concavity dia. 16 mm.,
- Deep 1.75 mm.,
- Polished edges,
- Frosted surface,
- 12 Concavities.

### 23.24 Blood Grouping Slides: 100x100x10 mm. thick.

Made of Heat Resistant Borosilicate Glass.



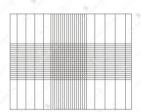
### **Ordering information with Specifications:**

- Concavity dia. 21 mm.,
- Deep 1.5 mm.,
- Frosted surface (One slide),
- 12 Concavities.



#### 23.25 Counting Chamber, Neubauer, Double Ruling, Silverlite.

- Made of Heat Resistant Borosilicate Glass.
- Neubauer, Double Ruling, Silverlite.



### **Ordering information:**

Cat. No. 93500

### 23.26 Haemocytometer in a box with Counting Chamber.

• Made of Heat Resistant Borosilicate Glass.

### Ordering information with Specifications:

- Cover glasses pair,
- R.B.C. and W.B.C. Pipettes with rubber suction tubing,
- Mouth piece.



### 23.27 R.B.C. Pipette with suction tube and mouthpiece

- Made of Heat Resistant Borosilicate Glass.
- With suction tube and mouthpiece



## **Ordering information:**

Cat. No. 93700

### 23.28 W.B.C. Pipette with suction tube and mouthpiece

- Made of Heat Resistant Borosilicate Glass.
- With suction tube and mouthpiece



#### **Ordering information:**



## 23.29 Petri Dishes

• Made of Heat Resistant Borosilicate Glass.

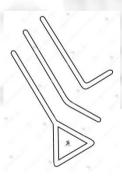


### **Ordering information with Specifications:**

Cat. No.	OD x Ht. mm (Approx)	Minimum Qty./Pack
93900/1	Petri Dish 50 mm x 17 mm	10
93900/2	Petri Dish 62 mm x 17 mm	10
93900/3	Petri Dish 80 mm x 17 mm	10
93900/4	Petri Dish 100 mm x 17 mm	10
93900/5	Petri Dish 150 mm x 20 mm	10
93900/6	Petri Dish 200 mm x 20 mm	10

## 23.30 Glass Spreader

• Made of Heat Resistant Borosilicate Glass.



0.1001.118 11101.11001011 W.1011 S.P.0011101101201	
Cat. No.	Type
94000/1	Spreader L Shape
94000/2	Spreader Lower Portion at angle.
94000/3	Spreader Triangular 50 mm.



### 23.31 Haemometer Tube

• Made of Heat Resistant Borosilicate Glass.

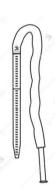


Ordering information:

Cat. No. 94100

## 23.32 Haemometer Pipette 20 μl

• Made of Heat Resistant Borosilicate Glass.



**Ordering information:** 



## 24. SODA GLASSWARE

#### **24.1 Battery Jars Round (Simple Round Jars)**

Made of Heat Resistant Borosilicate Glass.

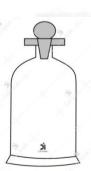


### Ordering information with Specifications:

Cat. No.	Size cm.
115-000/1	Battery Jars 15 cm x 10 cm
115-000/2	Battery Jars 20 cm x 15 cm

### 24.2 Bell Jars with Ground Stopper on Top

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Size cm.
115-100/1	Bell Jars 20 cm x 10 cm
115-100/2	Bell Jars 22.5 cm x 15 cm
115-100/3	Bell Jars 40 cm x 25 cm
115-100/4	Bell Jars 45 cm x 25 cm



## 24.3 Bell Jars without Stopper

- Made of Heat Resistant Borosilicate Glass.
- Without Stopper



U	•
Cat. No.	Size cm.
115-200/1	Bell Jars 20 cm x 10 cm
115-200/2	Bell Jars 22.5 cm x 15 cm
115-200/3	Bell Jars 40 cm x 25 cm
115-200/4	Bell Jars 45 cm x 25 cm



### 24.4 Bell Jars with Ground Flange Knobbed

- Made of Heat Resistant Borosilicate Glass.
- With Ground Flange Knobbed

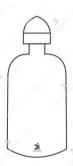


Cat. No.	Size cm.
115-300/1	Bell Jars 20 cm x 10 cm
115-300/2	Bell Jars 22 cm x 15 cm
115-300/3	Bell Jars 22.5 cm x 15 cm
115-300/4	Bell Jars 40 cm x 25 cm
115-300/5	Bell Jars 45 cm x 25 cm



#### 24.5 Canada Balsam Bottles

• Made of Heat Resistant Borosilicate Glass.

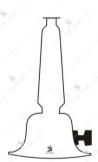


### **Ordering information with Specifications:**

Cat. No.	Capacity ml.
115-400/1	Canada Balsam Bottles 30 ml
115-400/2	Canada Balsam Bottles 60 ml

### 24.6 Calcium Chloride Tower

• Made of Heat Resistant Borosilicate Glass.



	1
Cat. No.	Capacity ml.
115-500/1	Calcium Chloride Tower 125 ml
115-500/2	Calcium Chloride Tower 250 ml



#### 24.7 Cavity Block with Cover

• Made of Heat Resistant Borosilicate Glass.

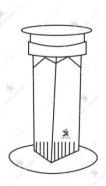


### **Ordering information with Specifications:**

Cat. No.	Size cm.
115-600/1	Cavity Block 40 cm x 40 cm
115-600/2	Cavity Block 55 cm x 55 cm

## 24.8 Couplin Jars

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Capacity
115-700/1	Couplin Jars, 05 Slides
115-700/2	Couplin Jars, 10 Slides



#### 24.9 Regent Bottles N.M.F.S. (Clear Glass)

• Made of Heat Resistant Borosilicate Glass.



## Ordering information with Specifications:

Cat. No.	Capacity ml.
115-800/1	Regent Bottles, 30 ml
115-800/2	Regent Bottles, 60 ml
115-800/3	Regent Bottles, 125 ml
115-800/4	Regent Bottles, 250 ml
115-800/5	Regent Bottles, 500 ml
115-800/6	Regent Bottles, 1000 ml
115-800/7	Regent Bottles, 2000 ml



#### 24.10 Regent Bottles N.M.F.S. (Amber)

Made of Heat Resistant Borosilicate Glass.



### Ordering information with Specifications:

Cat. No.	Capacity ml.
115-800A/1	Regent Bottles, 30 ml
115-800A/2	Regent Bottles, 60 ml
115-800A/3	Regent Bottles, 125 ml
115-800A/4	Regent Bottles, 250 ml
115-800A/5	Regent Bottles, 500 ml
115-800A/6	Regent Bottles, 1000 ml
115-800A/7	Regent Bottles, 2000 ml
115-800A/8	Regent Bottles, 3000 ml



#### 24.11 Regent Bottles W.M.F.S. (Clear Glass)

Made of Heat Resistant Borosilicate Glass.



## Ordering information with Specifications:

Cat. No.	Capacity ml.
115-900/1	Regent Bottles, 30 ml
115-900/2	Regent Bottles, 60 ml
115-900/3	Regent Bottles, 125 ml
115-900/4	Regent Bottles, 250 ml
115-900/5	Regent Bottles, 500 ml
115-900/6	Regent Bottles, 1000 ml
115-900/7	Regent Bottles, 2000 ml
115-900/8	Regent Bottles, 3000 ml



#### 24.12 Regent Bottles W.M.F.S. (Amber)

• Made of Heat Resistant Borosilicate Glass.



### **Ordering information with Specifications:**

Cat. No.	Capacity ml.
115-900A/1	Regent Bottles, 125 ml
115-900A/2	Regent Bottles, 250 ml
115-900A/3	Regent Bottles, 500 ml
115-900A/4	Regent Bottles, 1000 ml



### 24.13 Dropping Bottles, fitted with interchangeable stopper and rubber teat.

- Made of Heat Resistant Borosilicate Glass.
- Fitted with interchangeable stopper and rubber teat.

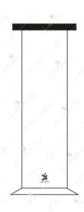


Cat. No.	Capacity ml.	Minimum Qty/Pack
116-000/1	Dropping Bottles, 30 ml	6
116-000/2	Dropping Bottles, 60 ml	6
116-000/3	Dropping Bottles, 125 ml	6
116-000/4	Dropping Bottles, 250 ml	2



### **24.14 Gas Jars**

• Made of Heat Resistant Borosilicate Glass.



ordering mornic	mon with specifications.
Cat. No.	Ht. x Diameter cm.
116-100/1	Gas Jars, 10 x 3.5 cm
116-100/2	Gas Jars, 12.5 x 3.15 cm
116-100/3	Gas Jars, 15 x 5 cm
116-100/4	Gas Jars, 20 x 5 cm
116-100/5	Gas Jars, 25 x 5 cm
116-100/6	Gas Jars, 30 x 5 cm
116-100/7	Gas Jars, 20 x 7.5 cm
116-100/8	Gas Jars, 25 x 7.5 cm
116-100/9	Gas Jars, 30 x 7.5 cm
116-100/10	Gas Jars, 37.5 x 7.5cm
116-100/11	Gas Jars, 15 x 10 cm
116-100/12	Gas Jars, 20 x 10 cm
116-100/13	Gas Jars, 25 x 10 cm
116-100/14	Gas Jars, 30 x 10 cm
116-100/15	Gas Jars, 37.5 x 10 cm
116-100/16	Gas Jars, 20 x 15 cm
116-100/17	Gas Jars, 30 x 15 cm
116-100/18	Gas Jars, 37.5 x 15 cm



### 24.15 Hydrometer Jars

• Made of Heat Resistant Borosilicate Glass.

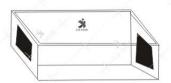


Cat. No.	Capacity ml.
116-200/1	Hydrometer Jars, 25 ml
116-200/2	Hydrometer Jars, 50 ml
116-200/3	Hydrometer Jars, 100 ml
116-200/4	Hydrometer Jars, 250 ml
116-200/5	Hydrometer Jars, 500 ml
116-200/6	Hydrometer Jars, 1000 ml
116-200/7	Hydrometer Jars, 2000 ml



## 24.16 Jar Staining Rectangular

• Made of Heat Resistant Borosilicate Glass.



### **Ordering information with Specifications:**

Cat. No.	Description
116-300/1	Jar Staining Rectangular with Cover for 10 Slides
116-300/2	Jar Staining Rectangular with Cover for 20 Slides

### 24.17 Lechlanche Cell Pots, 2 Pint.

• Made of Heat Resistant Borosilicate Glass.



### **Ordering information:**

Cat. No. 116-400



### 24.18 Pneumatic Trough

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Ht. x Diameter cm.
116-500/1	Pneumatic Trough, 15 x 10 cm
116-500/2	Pneumatic Trough, 20 x 10 cm
116-500/3	Pneumatic Trough, 25 x 10 cm
116-500/4	Pneumatic Trough, 25 x 12.5 cm
116-500/5	Pneumatic Trough, 30 x 10 cm
116-500/6	Pneumatic Trough, 30 x 12.5 cm
116-500/7	Pneumatic Trough, 30 x 15 cm



### 24.19 Specimen Jars (Bakelite), Screw Neck with Plastic Caps

- Made of Heat Resistant Borosilicate Glass.
- Screw Neck with Plastic Caps



Cat. No.	Capacity ml.
116-600/1	Specimen Jars, 180 ml
116-600/2	Specimen Jars, 250 ml
116-600/3	Specimen Jars, 500 ml
116-600/4	Specimen Jars, 1000 ml
116-600/5	Specimen Jars, 1500 ml



#### 24.20 Spirit Lamps

• Made of Heat Resistant Borosilicate Glass.

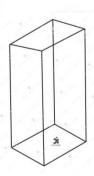


### Ordering information with Specifications:

Cat. No.	Capacity ml.	
116-700/1	Spirit Lamps, 60 ml	
116-700/2	Specimen Jars, 125 ml	
116-700/3	Specimen Jars, 150 ml	
116-700/4	Specimen Jars, 60 ml (Hexagonal)	

### 24.21 Specimen Jars Rectangular without cover

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Ht. x L. x W. cm.	
116-800/1	Specimen Jars, 05 x 05 x 03 cm	
116-800/2	Specimen Jars, 10 x 05 x 06 cm	
116-800/3	Specimen Jars, 12 x 12 x 09 cm	
116-800/4	Specimen Jars, 15 x 10 x 05 cm	
116-800/5	Specimen Jars, 15 x 10 x 10 cm	



116-800/6	Specimen Jars, 15 x 09 x 06 cm	
Cat. No.	Ht. x L. x W. cm.	
116-800/7	Specimen Jars, 15 x 12 x 09 cm	
116-800/8	Specimen Jars, 15 x 15 x 05 cm	
116-800/9	Specimen Jars, 15 x 15 x 06 cm	
116-800/10	Specimen Jars, 15 x 15 x 08 cm	
116-800/11	Specimen Jars, 15 x 15 x 15 cm	
116-800/12	Specimen Jars, 16 x 12 x 10 cm	
116-800/13	Specimen Jars, 20 x 08 x 05 cm	
116-800/14	Specimen Jars, 20 x 10 x 05 cm	
116-800/15	Specimen Jars, 20 x 10 x 10 cm	
116-800/16	Specimen Jars, 20 x 12 x 10 cm	
116-800/17	Specimen Jars, 20 x 20 x 04 cm	
116-800/18	Specimen Jars, 20 x 20 x 07 cm	
116-800/19	Specimen Jars, 20 x 20 x 12 cm	
116-800/20	Specimen Jars, 20 x 20 x 16.5 cm	
116-800/21	Specimen Jars, 20 x 12 x 12 cm	
116-800/22	Specimen Jars, 22 x 15 x 10 cm	
116-800/23	Specimen Jars, 25 x 10 x 10 cm	
116-800/24	Specimen Jars, 26 x 15 x 10 cm	
116-800/25	Specimen Jars, 26 x 17 x 09 cm	
116-800/26	Specimen Jars, 25 x 17 x 15 cm	
116-800/27	Specimen Jars, 25 x 25 x 12 cm	
116-800/28	Specimen Jars, 28 x 21 x 10.4 cm	
116-800/29	Specimen Jars, 30 x 08 x 05 cm	
116-800/30	Specimen Jars, 30 x 15 x 12 cm	
116-800/31	Specimen Jars, 30 x 17 x 09 cm	
116-800/32	Specimen Jars, 31 x 29 x 11 cm	
116-800/33	Specimen Jars, 50 x 12.5 x 12.5 cm	
116-800/34	Specimen Jars, 75 x 12.5 x 12.5 cm	
116-800/35	Specimen Jars, 45 x 45 x 15 cm	



### 24.22 Specimen Jars Round with ground flange knobbed stopper

- Made of Heat Resistant Borosilicate Glass.
- With ground flange knobbed stopper



Cat. No.	Ht. x Dia. cm.	
116-900/1	Specimen Jars, 10 x 03.5 cm	
116-900/2	Specimen Jars, 15 x 05 cm	
116-900/3	Specimen Jars, 20 x 05 cm	
116-900/4	Specimen Jars, 25 x 05 cm	
116-900/5	Specimen Jars, 30 x 05 cm	
116-900/6	Specimen Jars, 20 x 07.5 cm	
116-900/7	Specimen Jars, 25 x 07.5 cm	
116-900/8	Specimen Jars, 30 x 07.5 cm	
116-900/9	Specimen Jars, 37.5 x 07.5 cm	
116-900/10	Specimen Jars, 15 x 10 cm	
116-900/11	Specimen Jars, 20 x 10 cm	
116-900/12	Specimen Jars, 25 x 10 cm	
116-900/13	Specimen Jars, 30 x 10 cm	
116-900/14	Specimen Jars, 37.5 x 10 cm	
116-900/15	Specimen Jars, 20 x 15 cm	
116-900/16	Specimen Jars, 30 x 15 cm	
116-900/17	Specimen Jars, 37.5 x 15 cm	



#### **24.23 Urine Test Glasses Conical (Graduated)**

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering information with Specifications:**

Cat. No.	Capacity ml. Urine Test Glasses 250 ml.	
117-000/1		
117-000/2	Urine Test Glasses 500 ml.	

### **24.24 Woulf Bottles**

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Capacity ml.	
117-100/1	Woulf Bottles 250 ml.	
117-100/2	Woulf Bottles 500 ml.	



### 24.25 Winchester Bottles (Stoppered)

• Made of Heat Resistant Borosilicate Glass.

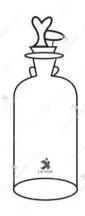


Cat. No.	Capacity Ltr.	
117-200/1	Winchester Bottle 02 Ltr.	
117-200/2	Winchester Bottle 02.5 Ltr.	
117-200/3	Winchester Bottle 03 Ltr.	
117-200/4	Winchester Bottle 05 Ltr.	
117-200/5	Winchester Bottle 07.5 Ltr.	
117-200/6	Winchester Bottle 10 Ltr.	
117-200/7	Winchester Bottle 15 Ltr.	
117-200/8	Winchester Bottle 20 Ltr.	
117-200/9	Winchester Bottle 25 Ltr.	
117-200/10	Winchester Bottle 30 Ltr.	



#### 24.26 Dropping Bottles, T.K. Pattern, Soda Glass with Grooved Stopper

- Made of Heat Resistant Borosilicate Glass.
- T.K. Pattern, Soda Glass with Grooved Stopper



	•	
Cat. No.	Capacity ml.	
117-300/1	Dropping Bottle 30 ml.	
117-300/2	Dropping Bottle 60 ml.	
117-300/3	Dropping Bottle 125 ml.	



#### 24.27 Dropping Bottles, T.K. Pattern, Soda Glass with Grooved Stopper (Amber)

- Made of Heat Resistant Borosilicate Glass.
- T.K. Pattern, Soda Glass with Grooved Stopper (Amber)



Cat. No.	Capacity ml.	
117-300A/1	Dropping Bottle 30 ml.	
117-300A/2	Dropping Bottle 60 ml.	
117-300A/3	Dropping Bottle 125 ml.	



#### 25. TISSUE HOMOGENISERS

A homogenizer is a piece of laboratory or industrial equipment used for the homogenization of various types of material, such as tissue, plant, food, soil, and many others. Many different models have been developed using various physical technologies for disruption. The 'mortar and pestle', already used for thousands of years, is a standard tool even in modern laboratories.

Whereas older technologies just focused on the disruption of the material, newer technologies also address quality or environmental aspects, such as cross-contamination, aerosols, risk of infection, or noise.

Homogenization is a very common sample preparation step prior to the analysis of nucleic acids, proteins, cells, metabolism, pathogens, and many other targets.

#### 25.1 Tissue Grinders Ten Broeck Type.

Made of Heat Resistant Borosilicate Glass.



Cat. No.	Capacity Approx. ml.	Vessel length mm.	Vessel O.D. mm.
95100/1	Tissue Grinders 02 ml.	100	13
95100/2	Tissue Grinders 07 ml.	130	16
95100/3	Tissue Grinders 15 ml.	150	18
95100/4	Tissue Grinders 40 ml.	210	25



### 25.2 Tissue Grinders, Homogenisers.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Vessel length mm.	Vessel O.D. mm.
95200/1	Tissue Grinders 100 mm.	13
95200/2	Tissue Grinders 150 mm.	16
95200/3	Tissue Grinders 150 mm	18
95200/4	Tissue Grinders 200 mm	18



### 25.3 Teflon Pestle Tissue Homogenisers, having stainless steel rod, replaceable vessel.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Capacity ml.	
95300/1	Tissue Grinders 05 ml.	
95300/2	Tissue Grinders 10 ml.	
95300/3	Tissue Grinders 30 ml.	
95300/4	Tissue Grinders 50 ml.	
95300/5	Tissue Grinders 100 ml.	



### 25.4 Spare Glass Vessel for Teflon Pestle Tissue Homogenisers.

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Capacity Approx. ml.	
95400/1	Spare Glass Vessel 05 ml.	
95400/2	Spare Glass Vessel 10 ml.	
95400/3	Spare Glass Vessel 30 ml.	
95400/4	Spare Glass Vessel 50 ml.	
95400/5	Spare Glass Vessel 100 ml.	



## 26. CULTURE FLASK

### 26.1 Trypsinising Flasks, for Culture.

Made of Heat Resistant Borosilicate Glass.



	_	
Cat. No.	Flask Capacity ml.	
96100/1	Trypsinising Flasks 25 ml.	
96100/2	Trypsinising Flasks 50 ml.	
96100/3	Trypsinising Flasks 100 ml.	
96100/4	Trypsinising Flasks 250 ml.	
96100/5	Trypsinising Flasks 500 ml.	
96100/6	Trypsinising Flasks 1000 ml.	



### 26.2 Ampoules Freeze Drying, Round/Flat Bottom.

• Made of Heat Resistant Borosilicate Glass.

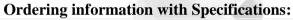


Cat. No.	Flask Capacity ml.	Neck O.D. mm.	Overall length mm.	Minimum Qty/Pack
96200/1	Ampoules Freeze Drying 1 ml.	07	80	50
96200/2	Ampoules Freeze Drying 2 ml.	08	140	50
96200/3	Ampoules Freeze Drying 3 ml.	08	163	50
96200/4	Ampoules Freeze Drying 5 ml.	08	167	50
96200/5	Ampoules Freeze Drying 10 ml.	08	180	50
96200/6	Ampoules Freeze Drying 15 ml.	08	180	50
96200/7	Ampoules Freeze Drying 20 ml.	08	195	50
96200/8	Ampoules Freeze Drying 25 ml.	08	200	50
96200/9	Ampoules Freeze Drying 50 ml.	08	230	50
96200/10	Ampoules Freeze Drying 100 ml.	15	240	50



### 26.3 Ampoules Freeze Drying, Tubular.

• Made of Heat Resistant Borosilicate Glass.



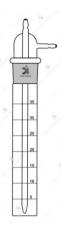
Cat. No.	Flask Capacity ml.	Neck O.D. mm.	Overall length mm.	Minimum Qty/Pack
96300/1	Ampoules Freeze Drying 0.5 ml.	06	112	50
96300/2	Ampoules Freeze Drying 01 ml.	07	127	50
96300/3	Ampoules Freeze Drying 02 ml.	08	147	50
96300/4	Ampoules Freeze Drying 03 ml.	10	147	50
96300/5	Ampoules Freeze Drying 04 ml.	10	170	50



### 27. GLASSWARE FOR GASES

#### 27.1 Impinger, graduated for sampling small gas volumes as per standard specification.

- Made of Heat Resistant Borosilicate Glass.
- Graduated for sampling small gas volumes as per standard specification.



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Cat. No.	Capacity ml.	
97100/1	Impinger 35 ml.	
97100/2	Impinger 50 ml.	
97100/3	Impinger 80 ml.	
97100/4	Impinger 150 ml.	
97100/5	Impinger 275 ml.	



# <u>27.2 Impinger Bubbler Type, graduated in 5 ml. interval with standard joint and sintered disc</u> for measurement of air pollutants.

- Made of Heat Resistant Borosilicate Glass.
- Bubbler Type, graduated in 5 ml. interval with standard joint and sintered disc for measurement of air pollutants.



Cat. No.	Capacity ml.	Pore Size microns
97200/1	Impinger Bubbler Type 35 ml.	170-200
97200/2	Impinger Bubbler Type 50 ml.	90-150
97200/3	Impinger Bubbler Type 80 ml.	49-90



## 27.3 Calcium Chloride Tube, Straight or bent.

• Made of Heat Resistant Borosilicate Glass.

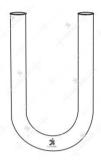


Cat. No.	Description
97300/1	Calcium Chloride Tube with one bulb
97300/2	Calcium Chloride Tube with two bulbs



### 27.4 Calcium Chloride Tube, U Shape.

• Made of Heat Resistant Borosilicate Glass.

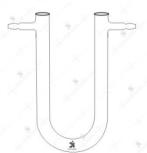


### **Ordering Information with Specifications:**

Cat. No.	O.D. x Ht Tube mm. (approx)
97400/1	Calcium Chloride Tube 12 mm x 100 mm
97400/2	Calcium Chloride Tube 15 mm x 125 mm
97400/3	Calcium Chloride Tube 18 mm x 150 mm

### 27.5 Calcium Chloride Tube, U Shape with side tube.

- Made of Heat Resistant Borosilicate Glass.
- U Shape with side tube.

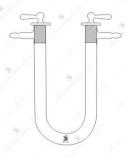


Cat. No.	O.D. x Ht Tube mm. (approx)
97500/1	Calcium Chloride Tube 12 mm x 100 mm
97500/2	Calcium Chloride Tube 15 mm x 125 mm
97500/3	Calcium Chloride Tube 18 mm x 150 mm



### 27.6 Calcium Chloride Tube, U Shape with side tube and interchangeable Stopper.

- Made of Heat Resistant Borosilicate Glass.
- U Shape with side tube and interchangeable Stopper



#### **Ordering Information with Specifications:**

Cat. No.	O.D. x Ht Tube mm. (approx)
97600/1	Calcium Chloride Tube 12 mm x 100 mm
97600/2	Calcium Chloride Tube 15 mm x 125 mm
97600/3	Calcium Chloride Tube 18 mm x 150 mm

### 27.7 Absorption Bulbs, Nesbitt type.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information:**

Cat. No. 97700



#### 27.8 Absorption Bulbs, Midvale Type.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information:**

Cat. No. 97800

### 27.9 Calcium Chloride Tower, Tubular at bottom and stopcock at top.

- Made of Heat Resistant Borosilicate Glass.
- Tubular at bottom and stopcock at top.



Cat. No.	Body O.D. x Ht mm. (approx)
97900/1	Calcium Chloride Tower 38 mm x 250 mm
97900/2	Calcium Chloride Tower 50 mm x 300 mm
97900/3	Calcium Chloride Tower 60 mm x 300 mm



# $\underline{27.10}$ Tutwiler Gas Burette, for determination of hydrogen sulphide, with stopcock at top and bottom.

- Made of Heat Resistant Borosilicate Glass.
- For determination of hydrogen sulphide,
- With stopcock at top and bottom.



### **Ordering Information with Specifications:**

#### Cat. No. 98000

- Stopcock at top and bottom,
- Only two graduation marks at 100ml and 110ml.
- Complete with cylindrical reservoir at top,
- Graduation downward from 0 to 9ml.



### 27.11 Bunte Gas Burette, with stopcock at both ends, graduated 100 x 0.2 ml.

- Made of Heat Resistant Borosilicate Glass.
- With stopcock at both ends, graduated 100 x 0.2 ml.



**Ordering Information:** 

Cat. No. 98100



#### 27.12 Boyle's Law Burette, Graduated, with zero at closed end, with stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Graduated, with zero at closed end, with stopcock.



Cat. No.	Capacity ml.
98200/1	Boyle's Law Burette 25 ml.
98200/2	Boyle's Law Burette 50 ml.
98200/3	Boyle's Law Burette 100 ml.



### 27.13 Gas Measuring Burette, Graduated, with zero at closed end, with stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Graduated, with zero at closed end, with stopcock.



	•	
Cat. No.	Capacity ml.	
98300/1	Gas Measuring Burette 25 ml.	
98300/2	Gas Measuring Burette 50 ml.	
98300/3	Gas Measuring Burette 100 ml.	



#### 27.14 Nitrometer Lunge's, 50 ml. x 0.2 ml. Graduated tube.

- Made of Heat Resistant Borosilicate Glass.
- 50 ml. x 0.2 ml. Graduated tube.



## **Ordering Information with Specifications:**

#### Cat. No. 98400

- Graduated tube 50 ml. x 0.2 ml.
- Cup graduated 0 to 10 ml. with double oblique bore stopcock,
- Complete with plain levelling bulb.



#### 27.15 Nitrometer Schiff's, 100 ml. x 0.2 ml. Graduated tube.

- Made of Heat Resistant Borosilicate Glass.
- 100 ml. x 0.2 ml. Graduated tube.



## **Ordering Information with Specifications:**

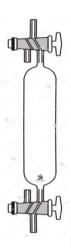
#### Cat. No. 98500

- Graduated tube 100 ml. x 0.2 ml.
- Stopcock,
- Levelling bulb.



# $\underline{27.16}$ Gas Collecting Tubes, with two, three way double oblique bore stopcocks one on each side.

- Made of Heat Resistant Borosilicate Glass.
- With two, three way double oblique bore stopcocks one on each side.



ordering information with specifications.		
Cat. No.	Capacity ml.	
98600/1	Gas Collecting Tube 15 ml.	
98600/2	Gas Collecting Tube 30 ml.	
98600/3	Gas Collecting Tube 70 ml.	
98600/4	Gas Collecting Tube 100 ml.	
98600/5	Gas Collecting Tube 250 ml.	
98600/6	Gas Collecting Tube 500 ml.	



# <u>27.17</u> Gas Collecting Tubes, with two, three way double oblique bore, PTFE key stopcocks one on each side.

- Made of Heat Resistant Borosilicate Glass.
- With two, three way double oblique bore, PTFE key stopcocks one on each side.



or wering information with specifications.		
Cat. No.	Capacity ml.	
98700/1	Gas Collecting Tube 15 ml.	
98700/2	Gas Collecting Tube 30 ml.	
98700/3	Gas Collecting Tube 70 ml.	
98700/4	Gas Collecting Tube 100 ml.	
98700/5	Gas Collecting Tube 250 ml.	
98700/6	Gas Collecting Tube 500 ml.	



#### 27.18 Gas Collecting Tubes, with two, two way stopcocks one on each side.

- Made of Heat Resistant Borosilicate Glass.
- With two, two way stopcocks one on each side.

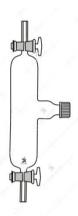


Cat. No.	Capacity ml.	
98800/1	Gas Collecting Tube 125 ml	
98800/2	Gas Collecting Tube 250 ml	
98800/3	Gas Collecting Tube 500 ml	



# 27.19 Gas Collecting Tubes, with two, two way stopcocks one on each side, with one side tube, screw cap and rubber septa.

- Made of Heat Resistant Borosilicate Glass.
- With two, two way stopcocks one on each side, with one side tube, screw cap and rubber septa.



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Cat. No.	Capacity ml.	
98900/1	Gas Collecting Tube 125 ml	
98900/2	Gas Collecting Tube 250 ml	
98900/3	Gas Collecting Tube 500 ml	



#### 27.20 Gas Collecting Tubes, with two, two way PTFE key stopcocks one on each side.

- Made of Heat Resistant Borosilicate Glass.
- With two, two way PTFE key stopcocks one on each side.

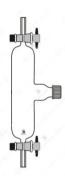


Cat. No.	Capacity ml.	
99000/1	Gas Collecting Tube 125 ml	
99000/2	Gas Collecting Tube 250 ml	
99000/3	Gas Collecting Tube 500 ml	



# <u>27.21 Gas Collecting Tubes</u>, with two, two way PTFE key stopcocks one on each side, with one side tube, screw cap and rubber septa.

- Made of Heat Resistant Borosilicate Glass.
- With two, two way PTFE key stopcocks one on each side, with one side tube, screw cap and rubber septa.



Cat. No.	Capacity ml.	
99100/1	Gas Collecting Tube 125 ml	
99100/2	Gas Collecting Tube 250 ml	
99100/3	Gas Collecting Tube 500 ml	



#### 27.22 Gas Washing Bottles, Dreshle's type, interchangeable joints

- Made of Heat Resistant Borosilicate Glass.
- Dreshle's type, interchangeable joints

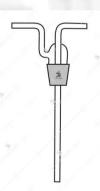


#### **Ordering Information with Specifications:**

Cat. No.	Specifications	
99200/1	Gas Washing Bottle Dreshle's type 125 ml	
99200/2	Gas Washing Bottle Dreshle's type 250 ml	
99200/3	Gas Washing Bottle Dreshle's type 500 ml	

#### 27.23 Spare Head, for Gas Washing Bottles, Dreshle's type.

Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information:**

Cat. No. 99300



#### 27.24 Gas Washing Bottles, with sintered disc, interchangeable joints

- Made of Heat Resistant Borosilicate Glass.
- With sintered disc, interchangeable joints



#### **Ordering Information with Specifications:**

Cat. No.	Specifications	
99400/1	Gas Washing Bottle 125 ml	
99400/2	Gas Washing Bottle 250 ml	
99400/3	Gas Washing Bottle 500 ml	

### 27.25 Spare Head, for Gas Washing Bottles, with sintered disc.

- Made of Heat Resistant Borosilicate Glass.
- For Gas Washing Bottles, with sintered disc.



#### **Ordering Information:**

Cat. No. 99500



### 27.26 Gas Jar, with ground glass flat flange

- Made of Heat Resistant Borosilicate Glass.
- With ground glass flat flange



Cat. No.	Height mm. (approx)	O.D.mm. (approx)
99600/1	Gas Jar 150 mm	50 mm
99600/2	Gas Jar 200 mm	50 mm
99600/3	Gas Jar 200 mm	75 mm
99600/4	Gas Jar 300 mm	75 mm



### 27.27 Gas Generator-Kipp's, with interchangeable joints.

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable joints.

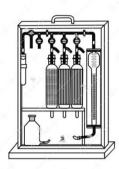


Cat. No.	Specifications	
99700/1	Gas Generator-Kipp's 250 ml	
99700/2	Gas Generator-Kipp's 500 ml	
99700/3	Gas Generator-Kipp's 1000 ml	



## <u>27.28 Orsat Gas Analysis Unit, with three absorption pipettes of two compartment type, with Stopcocks.</u>

- Made of Heat Resistant Borosilicate Glass.
- With three absorption pipettes of two compartment type, with Stopcocks.



### **Ordering Information with Specifications:**

#### Cat. No. 100-000

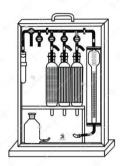
For the analysis of CO, O<sub>2</sub>, CO<sub>2</sub> particularly in fuel and furnace gases.

- Three absorption pipettes of two compartment type,
- Gas Burette with outer jacket 100 ml.,
- Manifold with Stopcocks,
- Aspirator bottle.
- Complete in wooden cabinet with sliding doors.



## 27.29 Orsat Gas Analysis Unit, with three absorption pipettes of two compartment type, with PTFE Stopcocks.

- Made of Heat Resistant Borosilicate Glass.
- With three absorption pipettes of two compartment type, with PTFE Stopcocks.



### **Ordering Information with Specifications:**

Cat. No. 100-100

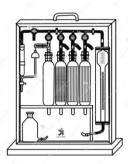
For the analysis of CO, O<sub>2</sub>, CO<sub>2</sub> particularly in fuel and furnace gases.

- Three absorption pipettes of two compartment type,
- Gas Burette with outer jacket 100 ml.,
- Manifold with PTFE Stopcocks,
- Aspirator bottle.
- Complete in wooden cabinet with sliding doors.



## 27.30 Orsat Gas Analysis Unit, with four absorption pipettes of two compartment type, with Stopcocks.

- Made of Heat Resistant Borosilicate Glass.
- With four absorption pipettes of two compartment type, with Stopcocks.



### **Ordering Information with Specifications:**

Cat. No. 100-200

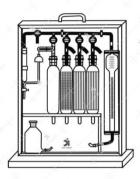
For the analysis of CO, CO<sub>2</sub>, H<sub>2</sub>, and nitrogen (by difference).

- Four absorption pipettes of two compartment type,
- Gas Burette with outer jacket 100 ml.,
- Manifold with Stopcocks,
- Aspirator bottle,
- Palldium,
- Asbestos tube,
- Adjustable spirit lamp.
- Complete in wooden cabinet with sliding doors.



## 27.31 Orsat Gas Analysis Unit, with four absorption pipettes of two compartment type, with PTFE Stopcocks.

- Made of Heat Resistant Borosilicate Glass.
- With four absorption pipettes of two compartment type, with PTFE Stopcocks.



### **Ordering Information with Specifications:**

#### Cat. No. 100-300

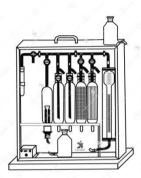
For the analysis of CO, CO<sub>2</sub>, H<sub>2</sub>, and nitrogen (by difference).

- Four absorption pipettes of two compartment type,
- Gas Burette with outer jacket 100 ml.,
- Manifold with PTFE Stopcocks,
- Aspirator bottle,
- Palldium,
- Asbestos tube,
- Adjustable spirit lamp.
- Complete in wooden cabinet with sliding doors.



#### 27.32 Orsat Gas Analysis Unit, with five absorption pipettes, with Three Way Stopcocks.

- Made of Heat Resistant Borosilicate Glass.
- With five absorption pipettes, with Three Way Stopcocks.



### **Ordering Information with Specifications:**

#### Cat. No. 100-400

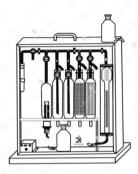
For the analysis of CO, CO<sub>2</sub>, H<sub>2</sub> illuminates methane, ethane and nitrogen (by difference).

There are four absorption pipettes, of which two of the two compartments type filled with glass tubes to increase absorption area and two bubbling type with three way stopcock and one slow combustion pipette with platinum wire coil, and rheostat to operate on 220 volts, complete in wooden cabinet with sliding doors.



## 27.33 Orsat Gas Analysis Unit, with five absorption pipettes, with Three Way PTFE Stopcocks.

- Made of Heat Resistant Borosilicate Glass.
- With five absorption pipettes, with Three Way PTFE Stopcocks.



## **Ordering Information with Specifications:**

Cat. No. 100-500

For the analysis of CO, CO<sub>2</sub>, H<sub>2</sub> illuminates methane, ethane and nitrogen (by difference).

There are four absorption pipettes, of which two of the two compartments type filled with glass tubes to increase absorption area and two bubbling type with three way PTFE stopcock and one slow combustion pipette with platinum wire coil, and rheostat to operate on 220 volts, complete in wooden cabinet with sliding doors.



### 27.34 Spare of Orsat Gas Analysis, 100 ml. burette only.

• Made of Heat Resistant Borosilicate Glass.



**Ordering Information:** 

Cat. No. 100-600

## 27.35 Spare of Orsat Gas Analysis, Water Jacket with Rubber Corks.

- Made of Heat Resistant Borosilicate Glass.
- Water Jacket with Rubber Corks.



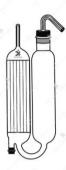
**Ordering Information:** 

Cat. No. 100-700



## 27.36 Spare of Orsat Gas Analysis, Absorption pipette filled with tubes.

- Made of Heat Resistant Borosilicate Glass.
- Absorption pipette filled with tubes.



### **Ordering Information:**

Cat. No. 100-800

### 27.37 Spare of Orsat Gas Analysis, Bubbler pipette with Three Way Stopcock.

- Made of Heat Resistant Borosilicate Glass.
- Bubbler pipette with Three Way Stopcock.



### **Ordering Information:**

Cat. No. 100-900



### 27.38 Spare of Orsat Gas Analysis, Slow combustion pipette.

- Made of Heat Resistant Borosilicate Glass.
- Slow combustion pipette

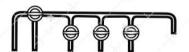


## **Ordering Information:**

Cat. No. 101-000

## 27.39 Spare of Orsat Gas Analysis, Manifold for Cat. No. 100-000.

- Made of Heat Resistant Borosilicate Glass.
- Manifold for Cat. No. 100-000



#### **Ordering Information:**

Cat. No. 101-100



### 27.40 Spare of Orsat Gas Analysis, Manifold for Cat. No. 100-200.

- Made of Heat Resistant Borosilicate Glass.
- Manifold for Cat. No. 100-200.



### **Ordering Information:**

Cat. No. 101-200

## 27.41 Spare of Orsat Gas Analysis, Manifold for Cat. No. 100-400.

- Made of Heat Resistant Borosilicate Glass.
- Manifold for Cat. No. 100-400.



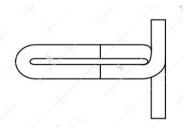
#### **Ordering Information:**

Cat. No. 101-300



## 27.42 Spare of Orsat Gas Analysis, Palldium Asbestos Tube.

- Made of Heat Resistant Borosilicate Glass.
- Palldium Asbestos Tube.



## **Ordering Information:**

Cat. No. 101-400



## 28. SEMI MICRO ANALYSIS GLASSWARE

## 28.1 Boiling Tubes with rim.

Made of Heat Resistant Borosilicate Glass.



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Cat. No.	Size mm.	
111-000/1	Boiling Tubes 60 mm x 15 mm	
111-000/2	Boiling Tubes 60 mm x 25 mm	
111-000/3	Boiling Tubes 75 mm x 10 mm	
111-000/4	Boiling Tubes 75 mm x 12 mm	
111-000/5	Boiling Tubes 100 mm x 12 mm	



### 28.2 Dropping Bottle, polythene stopper with dust proof head, glass dropper and rubber teat.

- Made of Soda Glass.
- Polythene stopper with dust proof head, glass dropper and rubber teat.



Cat. No.	Capacity ml.	Minimum Qty/Pack
111-100/1	Dropping Bottle 30 ml 12	
111-100/2	Dropping Bottle 60 ml	12
111-100/3	Dropping Bottle 120 ml	12



## 28.3 Dropping Bottle, polythene stopper with dust prrof head, glass dropper and rubber teat. (Amber)

- Made of Soda Glass.
- Polythene stopper with dust proof head, glass dropper and rubber teat. (Amber)



Cat. No.	Capacity ml.	Minimum Qty/Pack
111-100A/1	Dropping Bottle 30 ml	12
111-100A/2	Dropping Bottle 60 ml	12
111-100A/3	Dropping Bottle 120 ml	12



## 28.4 Dropping Bottle, T.K. Pattern with grooved stopper.

- Made of Soda Glass.
- T.K. Pattern with grooved stopper.



Cat. No.	Capacity ml.	Minimum Qty/Pack
111-200/1	Dropping Bottle 30 ml	12
111-200/2	Dropping Bottle 60 ml	12
111-200/3	Dropping Bottle 120 ml	12



### 28.5 Dropper, with capillary jet and rubber teat.

- Made of Heat Resistant Borosilicate Glass.
- With capillary jet and rubber teat.



## **Ordering Information with Specifications:**

Cat. No.	Description	
111-300/1	Dropper 05 cm. with 05 cm. jet	
111-300/2	Dropper 08 cm. with 10 cm. jet	

## 28.6 Dropper, with rubber teat 15 cm.

- Made of Heat Resistant Borosilicate Glass.
- With rubber teat 15 cm.



#### **Ordering Information:**

Cat. No. 111-400



### 28.7 Micro Funnel, 20 mm. Dia.

- Made of Heat Resistant Borosilicate Glass.
- 20 mm. Dia.



### **Ordering Information:**

Cat. No. 111-500

## 28.8 Gas Absorption Pipette, with rubber cork fitted in 75 x 10 mm. Test tube.

- Made of Heat Resistant Borosilicate Glass.
- With rubber cork fitted in 75 x 10 mm. Test tube.



**Ordering Information:** 

Cat. No. 111-600



#### 28.9 Filter Tube, Test Tube 75 x 10 mm. with 55 x 7 mm. filter tube.

- Made of Heat Resistant Borosilicate Glass.
- Test Tube 75 x 10 mm. with 55 x 7 mm. filter tube.



### **Ordering Information:**

Cat. No. 111-700

#### 28.10 Centrifuge Machine, Hand driven.

Made of Heat Resistant Borosilicate Glass.

Cat. No.	Description	
111-800/1	Centrifuge Machine, Hand driven with two tubes.	
111-800/2	Centrifuge Machine, Hand driven with four tubes.	



## 28.11 Platinum Wire, 35 x 0.2 mm. Fused in glass rod and fitted in test tube.

- Made of Heat Resistant Borosilicate Glass.
- Fused in glass rod and fitted in test tube.



**Ordering Information:** 

Cat. No. 111-900

## 28.12 Semi Micro Buchner funnel, with fixed per-forated plate, porcelain

- Made of Heat Resistant Borosilicate Glass.
- With fixed per-forated plate, porcelain

**Ordering Information:** 

Cat. No. 112-000



## 28.13 Spot Plate

• Made of Heat Resistant Borosilicate Glass.

## **Ordering Information with Specifications:**

Cat. No.	No. of Cavities	
112-100/1	Spot Plate, 06	
112-100/2	Spot Plate, 12	

## 28.14 Watch Glass

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Diameter mm.	
112-200/1	Watch Glass 50 mm	
112-200/2	Watch Glass 62 mm	
112-200/3	Watch Glass 75 mm	
112-200/4	Watch Glass 100 mm	
112-200/5	Watch Glass 125 mm	



### 28.15 Semi Micro Sintered Funnel, 35 ml.

• Made of Heat Resistant Borosilicate Glass.

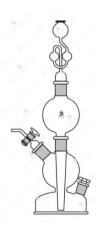


### **Ordering Information:**

Cat. No. 112-300

### 28.16 Kipp's Apparatus, 100 ml.

Made of Heat Resistant Borosilicate Glass.



### **Ordering Information:**

Cat. No. 112-400



## 29. MISCELLANEOUS GLASSWARE

### 29.1 Dissolution Bowl, Clear Glass, with Graduation.

- Made of Heat Resistant Borosilicate Glass.
- Clear Glass, with Graduation.



## **Ordering Information:**

Cat. No. 102-100

### 29.2 Dissolution Bowl, Amber Glass, with Graduation.

- Made of Heat Resistant Borosilicate Glass.
- Amber, with Graduation.



#### **Ordering Information:**

Cat. No. 102-100A



## 29.3 Sampling Tube (Dip Tube), Heavywall.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information with Specifications:**

Cat. No.	Length m.	Diameter mm.
102-200	Sampling Tube 01 m.	19 mm.

### 29.4 Schoinger Micro Combustion Flask, (Oxygen Flask), 500 ml.

• Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information with Specifications:**

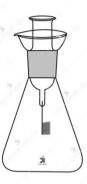
#### Cat. No. 102-300

• 500 ml. with Platinum wire gauge sample carrier for determination of Halogens, Sulphur, Phosphorous metal etc.



### 29.5 Schoinger Micro Combustion Flask, (Oxygen Flask), 1000 ml.

• Made of Heat Resistant Borosilicate Glass.



## **Ordering Information with Specifications:**

#### Cat. No. 102-400

• 1000 ml. with Platinum wire gauge sample carrier for determination of Halogens, Sulphur, Phosphorous metal etc.

#### 29.6 Dishes Crystallizing with Spout

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Approx. Capacity ml.	Approx. Ht. x O.D. mm.
102-500/1	Crystallizing Dish100 ml	40 mm x 70 mm
102-500/2	Crystallizing Dish 150 ml	45 mm x 80 mm
102-500/3	Crystallizing Dish 300 ml	50 mm x 100 mm
102-500/4	Crystallizing Dish 1000 ml	75 mm x 150 mm
102-500/5	Crystallizing Dish 2000 ml	100 mm x 190 mm



### 29.7 Dishes Evaporating, Flat Bottom, with Spout

- Made of Heat Resistant Borosilicate Glass.
- Flat Bottom, with Spout

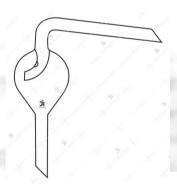


## **Ordering Information with Specifications:**

	_	
Cat. No.	Approx. Ht. x O.D. mm.	
102-600/1	Evaporating Dish 45 mm x 80 mm	
102-600/2	Evaporating Dish 55 mm x 105 mm	
102-600/3	Evaporating Dish 80 mm x 150 mm	
102-600/4	Evaporating Dish 100 mm x 200 mm	

## 29.8 Kjeldahl bulb, connecting, sloping, single.

- Made of Heat Resistant Borosilicate Glass.
- Connecting, sloping, single.



Cat. No.	Bulb O.D. mm.	Tube O.D. mm.
102-700/1	Kjeldahl bulb 50 mm.	10
102-700/2	Kjeldahl bulb 65 mm.	10



### 29.9 Kjeldahl bulbs

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

Cat. No.	Description	
102-800/1	Kjeldahl bulb, connecting, Vertical	
102-800/2	Kjeldahl bulb, with two bulbs	

## 29.10 Particle Size Determination Pipette, Sedimentation Pipette, Anderson.

Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

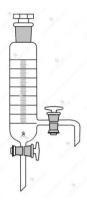
#### Cat. No. 102-900

Graduated Cylinder 500 ml., Graduation from 0 to 20 cm. and fitted with 10 ml. Pipette with three way Stopcock, the tip of Pipette at the level of 0 mark at the Cylinder scale.



### 29.11 Dirt Correction, 1000 ml. with stopcock.

- Made of Heat Resistant Borosilicate Glass.
- 1000 ml. with stopcock.

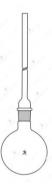


## **Ordering Information with Specifications:**

Cat. No.	Type
103-000/1	Plain
103-000/2	Graduated

## 29.12 Acetylation Unit, 250 ml. flask.

- Made of Heat Resistant Borosilicate Glass.
- 250 ml. flask



### **Ordering Information with Specifications:**

#### Cat. No. 103-100

- Air Condenser 01 meter long fitted with 24/29 joint.
- Flask 250 ml.



### 29.13 Acetylation Unit, 500 ml. flask.

- Made of Heat Resistant Borosilicate Glass.
- 500 ml. flask



## **Ordering Information with Specifications:**

#### Cat. No. 103-200

- Air Condenser 01 meter long fitted with 24/29 joint.
- Flask 500 ml.

### 29.14 Wash Bottles, with interchangeable joints.

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable joints.



Cat. No.	Capacity ml.	
103-300/1	Wash Bottle 250 ml	
103-300/2	Wash Bottle 500 ml	
103-300/3	Wash Bottle 1000 ml	



### 29.15 Thiele's Melting Point tubes.

• Made of Heat Resistant Borosilicate Glass.

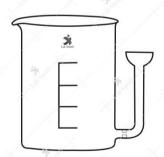


## **Ordering Information with Specifications:**

Cat. No.	Size mm.	Minimum Qty./Pack
103-400/1	Thiele's Melting Point tubes 18 mm x 150 mm	6
103-400/2	Thiele's Melting Point tubes 25 mm x 150 mm	6

## 29.16 Melting Point Apparatus, Beaker type.

- Made of Heat Resistant Borosilicate Glass.
- Beaker type.



Cat. No.	Capacity ml.	
103-500/1	Melting Point Apparatus 250 ml	
103-500/2	Melting Point Apparatus 500 ml	



## 29.17 Melting Point Apparatus, (Junge's) as per I.S. Specifications.

Made of Heat Resistant Borosilicate Glass.



**Ordering Information:** 

Cat. No. 103-600

## 29.18 Melting Point Apparatus, (Junge's), with standard joint fittings.

- Made of Heat Resistant Borosilicate Glass.
- With standard joint fittings.



**Ordering Information:** 

Cat. No. 103-700



## 29.19 Viscometer, Ostwald, Standard Size, College Pattern, Centre Support

- Made of Heat Resistant Borosilicate Glass.
- Ostwald, Standard Size, College Pattern, Centre Support



### **Ordering Information with Specifications:**

Cat. No.	Description	
103-800/1	Viscometer, Ostwald	80-100 sec.
103-800/2	Viscometer, Ostwald	100-120 sec.

## 29.20 Viscometer, Falling sphere type, standard joint fitting.

- Made of Heat Resistant Borosilicate Glass.
- Falling sphere type, standard joint fitting.



Cat. No.	Bore of Tube mm.	
103-900/1	Viscometer, Falling sphere type 25 mm	
103-900/2	Viscometer, Falling sphere type 40 mm	



### 29.21 Stalganometer, Straight.

• Made of Heat Resistant Borosilicate Glass.



## **Ordering Information with Specifications:**

Cat. No.	Description	
104-000/1	Stalganometer, Straight, graduated.	
104-000/2	Stalganometer, Straight, graduated with Rota Flow Stopcock	

### 29.22 Stalganometer, Bent

• Made of Heat Resistant Borosilicate Glass.

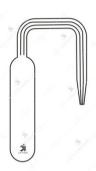


Cat. No.	Description	
104-100/1	Stalganometer, Bent, graduated	
104-100/2	Stalganometer, One Straight and Two Bent	



### 29.23 Weight Thermometers.

• Made of Heat Resistant Borosilicate Glass.

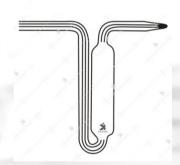


## **Ordering Information with Specifications:**

Cat. No.	Capacity ml.	
104-200/1	Weight Thermometers 05 ml.	
104-200/2	Weight Thermometers 10 ml.	
104-200/3	Weight Thermometers 25 ml.	

#### 29.24 Pyknometers

• Made of Heat Resistant Borosilicate Glass.



Cat. No.	Capacity ml.	
104-300/1	Pyknometers 05 ml.	
104-300/2	Pyknometers 10 ml.	
104-300/3	Pyknometers 25 ml.	



#### 29.25 Dilatometer

• Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

#### Cat. No. 104-400

• Designed for measuring the expansion of edible oil and fats, over the temperature range during melting. The ratio of solid to liquid present can be obtained.

#### 29.26 Dilatometer, consists of 50 ml. flask.

Made of Heat Resistant Borosilicate Glass.



### **Ordering Information with Specifications:**

#### Cat. No. 104-500

• Consists of 50 ml. flask with 30 cm long graduated capillary of 1 mm. bore with standard 14/23 joint fitting.



### 29.27 Retorts, with interchangeable stopper.

- Made of Heat Resistant Borosilicate Glass.
- With interchangeable stopper.



## **Ordering Information with Specifications:**

Cat. No.	Capacity ml.	Minimum Qty./Pack
104-600/1	Retorts 100 ml	2
104-600/2	Retorts 150 ml.	2
104-600/3	Retorts 250 ml.	2
104-600/4	Retorts 500 ml.	2

### 29.28 Filter Pumps

• Made of Heat Resistant Borosilicate Glass.

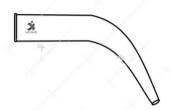


Cat. No.	Description		
104-700/1	700/1 Filter Pump, University Pattern.		
104-700/2	Filter Pump, superior quality.		
104-700/3	Filter Pump, Edward's type heavy pattern, Brass.		



### 29.29 Adapter, for Liebig's condenser straight or bent.

• Made of Heat Resistant Borosilicate Glass.

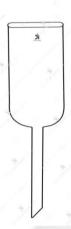


## **Ordering Information:**

Cat. No. 104-800

## 29.30 Adapter, for Gooch Crucible.

Made of Heat Resistant Borosilicate Glass.



Cat. No.	I.D. x Ht. mm.	Stem (mm) Lt. x O.D.	Suitable for Crucible ml.
104-900/1	Adapter 31 x 60	75 x 9	15 ml
104-900/2	Adapter 40 x 68	75 x 9	30 ml
104-900/3	Adapter 47 x 78	75 x 9	50 ml



### 29.31 Syphon, with suction tube 18" long.

- Made of Heat Resistant Borosilicate Glass.
- With suction tube 18" long.

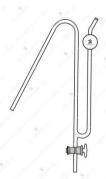


# **Ordering Information:**

Cat. No. 105-000

# 29.32 Syphon, with suction tube and stopcock 18" long.

- Made of Heat Resistant Borosilicate Glass.
- With suction tube and stopcock 18" long.



# **Ordering Information:**

Cat. No. 105-100



# 29.33 Funnel Filtering, 60° angle with stem.

- Made of Heat Resistant Borosilicate Glass.
- $60^0$  angle with stem.

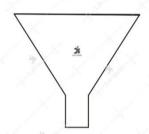


Cat. No.	Diameter mm.	Minimum Qty./Pack
105-200/1	Funnel Filtering 25 mm.	10
105-200/2	Funnel Filtering 38 mm.	10
105-200/3	Funnel Filtering 50 mm.	10
105-200/4	Funnel Filtering 65 mm.	10
105-200/5	Funnel Filtering 75 mm.	10
105-200/6	Funnel Filtering 100 mm.	-2
105-200/7	Funnel Filtering 125 mm.	2



### 29.34 Funnel Powder, Short Plain Stem.

- Made of Heat Resistant Borosilicate Glass.
- Short Plain Stem.

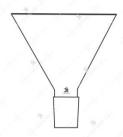


ordering information with specifications.		
Cat. No.	Diameter mm.	
105-300/3	Funnel Powder 55 mm.	
105-300/5	Funnel Powder 80 mm.	
105-300/6	Funnel Powder 100 mm.	
105-300/7	Funnel Powder 125 mm.	
105-300/8	Funnel Powder 150 mm.	
105-300/9	Funnel Powder 200 mm.	



### 29.35 Powder Funnel with 24/29 cone at stem.

- Made of Heat Resistant Borosilicate Glass.
- With 24/29 cone at stem.



#### **Ordering Information with Specifications:**

Cat. No.	Diameter mm.
105-400/11	Powder Funnel 100 mm.
105-400/12	Powder Funnel 125 mm.
105-400/13	Powder Funnel 150 mm.

### 29.36 Thistle Funnel, 30 cm. stem

Made of Heat Resistant Borosilicate Glass.



### **Ordering Information:**

Cat. No. 105-500



### 29.37 Thistle Funnel for Kipp's apparatus

- Made of Heat Resistant Borosilicate Glass.
- For Kipp's apparatus



### **Ordering Information:**

Cat. No. 105-600

# 29.38 Polarimeter Tubes, with Centre Bulb, screw caps and cover glasses.

- Made of Heat Resistant Borosilicate Glass.
- With Centre Bulb, screw caps and cover glasses.

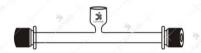


Cat. No.	Length mm.	
105-700/1	Polarimeter Tubes 100 mm.	
105-700/2	Polarimeter Tubes 200 mm.	
105-700/4	Polarimeter Tubes 400 mm.	



#### 29.39 Polarimeter Tubes, with Centre Cup, screw caps and cover glasses.

- Made of Heat Resistant Borosilicate Glass.
- With Centre Cup, screw caps and cover glasses.



#### **Ordering Information with Specifications:**

Cat. No.	Length mm.	
105-800/1	Polarimeter Tubes 100 mm.	
105-800/2	Polarimeter Tubes 200 mm.	
105-800/4	Polarimeter Tubes 400 mm.	

# 29.40 Dewar flask: Double walled, cylindrical, evacuated, unsilvered.

- Made of Heat Resistant Borosilicate Glass.
- Double walled, cylindrical, evacuated, unsilvered.



Cat. No.	Approx. Capacity ml.	Inner Tube mm
105-900/1	Dewar flask unsilvered 300 ml.	50 x 200
105-900/2	Dewar flask unsilvered 400 ml.	50 x 250
105-900/3	Dewar flask unsilvered 475 ml.	60 x 200
105-900/4	Dewar flask unsilvered 600 ml.	60 x 250
105-900/5	Dewar flask unsilvered 750 ml.	75 x 200
105-900/6	Dewar flask unsilvered 950 ml.	75 x 250
105-900/7	Dewar flask unsilvered 2000 ml.	100 x 300



### 29.41 Dewar flask: Double walled, cylindrical, evacuated, silvered.

- Made of Heat Resistant Borosilicate Glass.
- Double walled, cylindrical, evacuated, silvered.

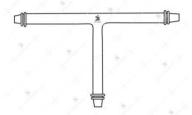


Cat. No.	Approx. Capacity ml.	Inner Tube mm.
106-000/1	Dewar flask silvered 300 ml.	50 x 200
106-000/2	Dewar flask silvered 400 ml.	50 x 250
106-000/3	Dewar flask silvered 475 ml.	60 x 200
106-000/4	Dewar flask silvered 600 ml.	60 x 250
106-000/5	Dewar flask silvered 750 ml.	75 x 200
106-000/6	Dewar flask silvered 950 ml.	75 x 250
106-000/7	Dewar flask silvered 2000 ml.	100 x 300



### 29.42 Connection Tubes, T shape.

- Made of Heat Resistant Borosilicate Glass.
- T shape.

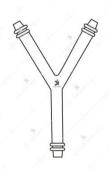


# **Ordering Information with Specifications:**

Cat. No.	Tube dia. mm.	
106-100/1	Connection Tubes 07 mm	
106-100/2	Connection Tubes 10 mm	
106-100/3	Connection Tubes 12 mm	

# 29.43 Connection Tubes, Y shape.

- Made of Heat Resistant Borosilicate Glass.
- Y Shape.

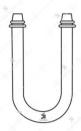


	<b>A</b>	
Cat. No.	Tube dia. mm.	
106-200/1	Connection Tubes 07 mm	
106-200/2	Connection Tubes 10 mm	
106-200/3	Connection Tubes 12 mm	



### 29.44 Connection Tubes, U shape.

- Made of Heat Resistant Borosilicate Glass.
- U Shape.



### **Ordering Information with Specifications:**

Cat. No.	Tube dia. mm.
106-300/1	Connection Tubes 07 mm
106-300/2	Connection Tubes 10 mm
106-300/3	Connection Tubes 12 mm

### 29.45 Filter Tubes, with side tube.

- Made of Heat Resistant Borosilicate Glass.
- With side tube.



Cat. No.	Tube size mm.
106-400/1	Filter Tubes 100 mm x 12 mm
106-400/2	Filter Tubes 125 mm x 15 mm
106-400/3	Filter Tubes 150 mm x 18 mm
106-400/4	Filter Tubes 150 mm x 25 mm



# 29.46 Chromatography Sprayers, with rubber bellow.

- Made of Heat Resistant Borosilicate Glass.
- With rubber bellow.

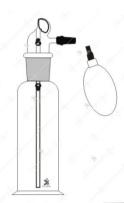


Cat. No.	Capacity ml.
106-500/1	Chromatography Sprayers 100 ml.
106-500/2	Chromatography Sprayers 150 ml.
106-500/3	Chromatography Sprayers 250 ml.



### 29.47 Chromatography Sprayers, Bottle type with interchangeable joints, rubber bellow.

- Made of Heat Resistant Borosilicate Glass.
- Bottle type with interchangeable joints, rubber bellow.



### **Ordering Information with Specifications:**

Cat. No. Capacity ml.		
	Capacity iii.	
106-600/1	Chromatography Sprayers 25 ml.	
106-600/2	Chromatography Sprayers 50 ml.	
106-600/3	Chromatography Sprayers 100 ml.	

# 29.48 Chromatography Sprayers, Fisher type with Standard Joint fitting Conical Flask.

- Made of Heat Resistant Borosilicate Glass.
- Fisher type with Standard Joint fitting Conical Flask.



### **Ordering Information:**

Cat. No. 106-700



# 29.49 Dessicator Plain with knobbed lid, Ground Flanges Neutral Glass, with Perforated Porcelain Plate.

- Made of Heat Resistant Borosilicate Glass.
- With knobbed lid, Ground Flanges Neutral Glass, with Perforated Porcelain Plate.



C + N		
Cat. No.	Dia. mm.	
106-800/1	Dessicator Plain 120 mm	
106-800/2	Dessicator Plain 160 mm	
106-800/3	Dessicator Plain 210 mm	
106-800/4	Dessicator Plain 240 mm	
106-800/5	Dessicator Plain 300 mm	



# 29.50 Dessicator Plain, Amber Colour, with knobbed lid, Ground flanges, Neutral Glass with perforated Porcelain Plate

- Made of Heat Resistant Borosilicate Glass.
- Amber Colour, with knobbed lid, Ground flanges,
- Neutral Glass with perforated Porcelain Plate



Cat. No.	Dia. mm.	
106-800A/1	Dessicator Plain 160 mm	
106-800A/2	Dessicator Plain 210 mm	
106-800A/3	Dessicator Plain 240 mm	
106-800A/4	Dessicator Plain 300 mm	



# 29.51 Dessicator, Vacuum with tubular lid, Ground Flanges stopcock made of Neutral Glass, supplied with Perforated Porcelain Plate.

- Made of Neutral Glass.
- With tubular lid, Ground Flanges stopcock made of Neutral Glass,
- Supplied with Perforated Porcelain Plate.



Cat. No.	Dia. mm.	
106-900/1	Dessicator Vaccum 160 mm	
106-900/2	Dessicator Vaccum 210 mm	
106-900/3	Dessicator Vaccum 240 mm	
106-900/4	Dessicator Vaccum 300 mm	



### 29.52 Specimen Jars, with Bakelite screw cap, suitable for culture, Autoclavable.

- Made of Heat Resistant Borosilicate Glass.
- With Bakelite screw cap, suitable for culture, Autoclavable.



Cat. No.	Approx. Capacity ml.	O.D. x Ht. mm.
107-000/1	Specimen Jars 100 ml	50 mm x 75 mm
107-000/2	Specimen Jars 250 ml	60 mm x 110 mm
107-000/3	Specimen Jars 500 ml	75 mm x 130 mm
107-000/4	Specimen Jars 1000 ml	90 mm x 185 mm



### 29.53 Weighing Scoops, with open tubular arm.

- Made of Heat Resistant Borosilicate Glass.
- With open tubular arm.



### **Ordering Information with Specifications:**

Cat. No.	Cat. No. Capacity ml.	
107-100/1	Weighing Scoops 1 ml	10
107-100/2	Weighing Scoops 3 ml	10
107-100/3	Weighing Scoops 6 ml	10
107-100/4	Weighing Scoops 10 ml	10

### 29.54 Spatula Ended Spoon

• Made of Heat Resistant Borosilicate Glass.



# **Ordering Information:**

Cat. No. 107-200



### 29.55 Kjedahl Digestion Tubes, with constriction on top

- Made of Heat Resistant Borosilicate Glass.
- With constriction on top



### **Ordering Information with Specifications:**

Cat. No.	O.D. x Length mm.
107-300/1	Kjedahl Digestion Tube 24 mm x 250 mm
107-300/2	Kjedahl Digestion Tube 26 mm x 250 mm
107-300/3	Kjedahl Digestion Tube 40 mm x 300 mm

### 29.56 Kjedahl Digestion Tubes, with Collar

- Made of Heat Resistant Borosilicate Glass.
- With Collar

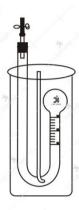


Cat. No.	O.D. x Length mm.
107-400/1	Kjedahl Digestion Tubes 40 mm x 300 mm
107-400/2	Kjedahl Digestion Tubes 42 mm x 300 mm



### 29.57 Charle's Law Apparatus, with one litre tall form beaker.

- Made of Heat Resistant Borosilicate Glass.
- With one litre tall form beaker.



# **Ordering Information with Specifications:**

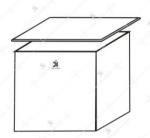
### Cat. No. 107-500

- Tall Beaker 01 litre,
- Graduated 3 limb tube with bulb,
- Pinch cock,
- Rubber Tube.



### 29.58 Jars, Rectangular, Museum, Neutral Glass with Cover.

- Made of Neutral Glass.
- Rectangular, Museum, Neutral Glass with Cover.



# **Ordering Information with Specifications:**

Cat. No.	Height mm.	Length mm.	Breadth mm.
107-600/1	Jars 140 mm	215	100
107-600/2	Jars 210 mm	170	130
107-600/3	Jars 225 mm	225	125
107-600/4	Jars 250 mm	250	150
107-600/5	Jars 220 mm	140	140

### 29.59 SS Lid for Jars of Cat. No. 107-600

Cat. No.	Height mm.	Length mm.	Breadth mm.
107-700/1	SS Lid 140 mm	215	100
107-700/2	SS Lid210 mm	170	130
107-700/3	SS Lid 225 mm	225	125
107-700/4	SS Lid 250 mm	250	150
107-700/5	SS Lid 220 mm	140	140



# 29.60 Bell Jars, Round Bottom, Edge Ground.

- Made of Heat Resistant Borosilicate Glass.
- Round Bottom, Edge Ground



Cat. No.	O.D. x Height mm.(Approx)
107-800/1	Bell Jars 300 mm x 450 mm
107-800/2	Bell Jars 300 mm x 400 mm
107-800/3	Bell Jars 200 mm x 350 mm



### 29.61 Kettles - Resin Reaction.

• Made of Heat Resistant Borosilicate Glass.



# **Ordering Information with Specifications:**

Cat No.	Capacity ml.	
107-900/1	Kettles - Resin Reaction 500 ml	
107-900/2	Kettles - Resin Reaction 1000 ml	
107-900/3	Kettles - Resin Reaction 2000 ml	
107-900/4	Kettles - Resin Reaction 4000 ml	

### 29.62 Steam Trap

• Made of Heat Resistant Borosilicate Glass.

# **Ordering Information:**

Cat. No. 103-001



### 30. HYDROMETERS

A hydrometer is an instrument that measures the specific gravity (relative density) of liquids—the ratio of the density of the liquid to the density of water.

A hydrometer is usually made of glass, and consists of a cylindrical stem and a bulb weighted with mercury or lead shot to make it float upright. The liquid to test is poured into a tall container, often a graduated cylinder, and the hydrometer is gently lowered into the liquid until it floats freely. The point at which the surface of the liquid touches the stem of the hydrometer correlates to specific gravity. Hydrometers usually contain a scale inside the stem, so that the person using it can read specific gravity. A variety of scales exist for different contexts.

#### 30.1 Density Petroleum Hydrometer, Calibration 0.001, Max Length 270 mm.

- For Analytical Laboratories
- Shot & Wax poised, Adjusted For use at 15 C M-50 SP
- Calibration 0.001, Max Length 270 mm, Accuracy + 0.0002
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range (g/ml.)
118-000/1	Density Petroleum Hydrometer, 0.650-0.700 g/ml
118-000/2	Density Petroleum Hydrometer, 0.700-0.750 g/ml
118-000/3	Density Petroleum Hydrometer, 0.750-0.800 g/ml
118-000/4	Density Petroleum Hydrometer, 0.800-0.850 g/ml
118-000/5	Density Petroleum Hydrometer, 0.850-0.900 g/ml
118-000/6	Density Petroleum Hydrometer, 0.900-0.950 g/ml
118-000/7	Density Petroleum Hydrometer, 0.950-1.000 g/ml



### 30.2 Density Petroleum Hydrometer, Calibration 0.0005, Max Length 335 mm.

- For Analytical Laboratories
- Shot & Wax poised, Adjusted For use at 15 C M-50 SP
- Calibration 0.0005, Max Length 335 mm, Accuracy + 0.0002
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range (g/ml.)
118-100/1	Density Petroleum Hydrometer, 0.650-0.700 g/ml
118-100/2	Density Petroleum Hydrometer, 0.700-0.750 g/ml
118-100/3	Density Petroleum Hydrometer, 0.750-0.800 g/ml
118-100/4	Density Petroleum Hydrometer, 0.800-0.850 g/ml
118-100/5	Density Petroleum Hydrometer, 0.850-0.900 g/ml
118-100/6	Density Petroleum Hydrometer, 0.900-0.950 g/ml
118-100/7	Density Petroleum Hydrometer, 0.950-1.000 g/ml



# 30.3 Specific Gravity/Beaume Glass Hydrometers, General Purpose

- For General Purpose
- Shot & Wax Poised, Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Sp. Gr. Range <sup>0</sup> Be Range
118-200/1 (Heavy Liquid)	Specific Gravity/Beaume Glass Hydrometers, 1.000-2.000 0-70 <sup>0</sup> Be
118-200/2 (Light Liquid)	Specific Gravity/Beaume Glass Hydrometers, 0.700- 1.000 10-70 <sup>0</sup> Be
118-200/3	Specific Gravity/Beaume Glass Hydrometers, 1.000- 1.500 0-50 <sup>0</sup> Be
118-200/4	Specific Gravity/Beaume Glass Hydrometers, 1.500- 2.000 50-70 <sup>0</sup> Be
118-200/5 (Universal Hydrometer)	Specific Gravity/Beaume Glass Hydrometers, 0.700- 2.000 70-70 <sup>0</sup> Be





### 30.4 Specific Gravity Glass Hydrometers, General Purpose

- For General Purpose
- Shot & Wax Poised, Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Sp. Gr. Range
118-300/1	Specific Gravity Glass Hydrometers, 0.600-0.800 Sp. Gr.
118-300/2	Specific Gravity Glass Hydrometers, 0.800-1.000 Sp. Gr.
118-300/3	Specific Gravity Glass Hydrometers, 1.000-1.200 Sp. Gr.
118-300/4	Specific Gravity Glass Hydrometers, 1.200-1.400 Sp. Gr.
118-300/5	Specific Gravity Glass Hydrometers, 1.400-1.600 Sp. Gr.
118-300/6	Specific Gravity Glass Hydrometers, 1,600-1.800 Sp. Gr.
118-300/7	Specific Gravity Glass Hydrometers, 1.800-2.000 Sp. Gr.





### 30.5 Specific Gravity Glass Hydrometers, Industrial Laboratory Purpose

- For Heavy Chemical Industrial Plant Laboratories Purpose
- Shot & Wax Poised, Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Sp. Gr. Range
118-400/1	Specific Gravity Glass Hydrometer, 0.600-0.700 Sp. Gr.
118-400/2	Specific Gravity Glass Hydrometer, 0.700-0.800 Sp. Gr.
118-400/3	Specific Gravity Glass Hydrometer, 0.800-0.900 Sp. Gr.
118-400/4	Specific Gravity Glass Hydrometer, 0.900-1.000 Sp. Gr.
118-400/5	Specific Gravity Glass Hydrometer, 1.000-1.100 Sp. Gr.
118-400/6	Specific Gravity Glass Hydrometer, 1.100-1.200 Sp. Gr.
118-400/7	Specific Gravity Glass Hydrometer, 1.200-1.300 Sp. Gr.
118-400/8	Specific Gravity Glass Hydrometer, 1.300-1.400 Sp. Gr.
118-400/9	Specific Gravity Glass Hydrometer, 1.400-1.500 Sp. Gr.
118-400/10	Specific Gravity Glass Hydrometer, 1.500-1.600 Sp. Gr.
118-400/11	Specific Gravity Glass Hydrometer, 1.600-1.700 Sp. Gr.
118-400/12	Specific Gravity Glass Hydrometer, 1.700-1.800 Sp. Gr.
118-400/13	Specific Gravity Glass Hydrometer, 1.800-1.900 Sp. Gr.
118-400/14	Specific Gravity Glass Hydrometer, 1.900-2.000 Sp. Gr.



### 30.6 Specific Gravity Glass Hydrometers, Analytical Purpose

- For Analytical Purpose
- Shot & Wax Poised, Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Sp. Gr. Range
118-500/1	Specific Gravity Glass Hydrometer, 0.600-0.650 Sp. Gr.
118-500/2	Specific Gravity Glass Hydrometer, 0.650-0.700 Sp. Gr.
118-500/3	Specific Gravity Glass Hydrometer, 0.700-0.750 Sp. Gr.
118-500/4	Specific Gravity Glass Hydrometer, 0.750-0.800 Sp. Gr.
118-500/5	Specific Gravity Glass Hydrometer, 0.800-0.850 Sp. Gr.
118-500/6	Specific Gravity Glass Hydrometer, 0.850-0.900 Sp. Gr.
118-500/7	Specific Gravity Glass Hydrometer, 0.900-0.950 Sp. Gr.
118-500/8	Specific Gravity Glass Hydrometer, 0.950-1.000 Sp. Gr.
118-500/9	Specific Gravity Glass Hydrometer, 1.000-1.050 Sp. Gr.
118-500/10	Specific Gravity Glass Hydrometer, 1.050-1.100 Sp. Gr.
118-500/11	Specific Gravity Glass Hydrometer, 1.100-1.150 Sp. Gr.
118-500/12	Specific Gravity Glass Hydrometer, 1.150-1.200 Sp. Gr.
118-500/13	Specific Gravity Glass Hydrometer, 1.200-1.250 Sp. Gr.
118-500/14	Specific Gravity Glass Hydrometer, 1.250-1.300 Sp. Gr.
118-500/15	Specific Gravity Glass Hydrometer, 1.300-1.350 Sp. Gr.
118-500/16	Specific Gravity Glass Hydrometer, 1.350-1.400 Sp. Gr.
118-500/17	Specific Gravity Glass Hydrometer, 1.400-1.450 Sp. Gr.
118-500/18	Specific Gravity Glass Hydrometer, 1.450-1.500 Sp. Gr.
118-500/19	Specific Gravity Glass Hydrometer, 1.500-1.550 Sp. Gr.
118-500/20	Specific Gravity Glass Hydrometer, 1.550-1.600 Sp. Gr.
118-500/21	Specific Gravity Glass Hydrometer, 1.600-1.650 Sp. Gr.



Cat. No.	Sp. Gr. Range
118-500/22	Specific Gravity Glass Hydrometer, 1.650-1.700 Sp. Gr.
118-500/23	Specific Gravity Glass Hydrometer, 1.700-1.750 Sp. Gr.
118-500/24	Specific Gravity Glass Hydrometer, 1.750-1.800 Sp. Gr.
118-500/25	Specific Gravity Glass Hydrometer, 1.800-1.850 Sp. Gr.
118-500/26	Specific Gravity Glass Hydrometer, 1.850-1.900 Sp. Gr.
118-500/27	Specific Gravity Glass Hydrometer, 1.900-1.950 Sp. Gr.
118-500/28	Specific Gravity Glass Hydrometer, 1.950-2.000 Sp. Gr.





- Shot & Wax Poised, Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range ( <sup>0</sup> Be)
118-600/1	Baume (°Be) Glass Hydrometer , 00.0-10.0 <sup>0</sup> Be
118-600/2	Baume (°Be) Glass Hydrometer , 10.0-20.0 <sup>0</sup> Be
118-600/3	Baume (°Be) Glass Hydrometer , 20.0-30.0 <sup>0</sup> Be
118-600/4	Baume (°Be) Glass Hydrometer , 30.0-40.0 <sup>0</sup> Be
118-600/5	Baume (°Be) Glass Hydrometer , 40.0-50.0 <sup>0</sup> Be
118-600/6	Baume (°Be) Glass Hydrometer , 50.0-60.0 <sup>0</sup> Be
118-600/7	Baume (°Be) Glass Hydrometer , 60.0-70.0 <sup>0</sup> Be
118-600/8	Baume (°Be) Glass Hydrometer , 00.0-20.0 <sup>0</sup> Be
118-600/9	Baume (°Be) Glass Hydrometer , 20.0-40.0 <sup>0</sup> Be
118-600/10	Baume (°Be) Glass Hydrometer , 40.0-60.0 <sup>0</sup> Be
Cat. No.	Sp. Gr. Range
118-600/11	Baume (°Be) Glass Hydrometer , 00.0-30.0 <sup>0</sup> Be
118-600/12	Baume (°Be) Glass Hydrometer , 30.0-60.0 <sup>0</sup> Be
118-600/13	Baume (°Be) Glass Hydrometer , 00.0-40.0 <sup>0</sup> Be
118-600/14	Baume (°Be) Glass Hydrometer , 00.0-50.0 <sup>0</sup> Be
118-600/15	Baume (°Be) Glass Hydrometer , 00.0-70.0 <sup>0</sup> Be



# 30.8 Twaddle Glass Hydrometers

- Shot & Wax Poised, Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range (Twaddle)
118-700/1	Twaddle Glass Hydrometer , 00-26 <sup>0</sup> Tw / Tw No. 1
118-700/2	Twaddle Glass Hydrometer , 24-50 <sup>o</sup> Tw / Tw No. 2
118-700/3	Twaddle Glass Hydrometer , 48-74 <sup>0</sup> Tw / Tw No. 3
118-700/4	Twaddle Glass Hydrometer , 72-104 <sup>0</sup> Tw / Tw No. 4
118-700/5	Twaddle Glass Hydrometer , 102-138 <sup>0</sup> Tw / Tw No. 5
118-700/6	Twaddle Glass Hydrometer , 136-174 <sup>0</sup> Tw / Tw No. 6



### 30.9 Brix (°Bx) Glass Hydrometers with Built-in Thermometers (Thermohyrdometers)

- Shot & Wax Poised, Adjusted for use at 20°C/\*27.5°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range (Brix)
118-800/1	Brix (°Bx) Glass Hydrometer , 00.0-10.0 <sup>0</sup> Bx
118-800/2	Brix (°Bx) Glass Hydrometer , 10.0-20.0 <sup>0</sup> Bx
118-800/3	Brix (°Bx) Glass Hydrometer , 20.0-30.0 <sup>0</sup> Bx
118-800/4	Brix (°Bx) Glass Hydrometer , 30.0-40.0 <sup>0</sup> Bx
118-800/5	Brix (°Bx) Glass Hydrometer , 40.0-50.0 <sup>0</sup> Bx
118-800/6	Brix (°Bx) Glass Hydrometer , 50.0-60.0 <sup>0</sup> Bx
118-800/7	Brix (°Bx) Glass Hydrometer , 60.0-70.0 <sup>0</sup> Bx
118-800/8	Brix (°Bx) Glass Hydrometer , 70.0-80.0 <sup>0</sup> Bx
118-800/9	Brix (°Bx) Glass Hydrometer , 80.0-90.0 <sup>0</sup> Bx
118-800/10	Brix (°Bx) Glass Hydrometer , 00.0-30.0 <sup>0</sup> Bx
118-800/11	Brix (°Bx) Glass Hydrometer , 30.0-60.0 <sup>0</sup> Bx
118-800/12	Brix (°Bx) Glass Hydrometer, 60.0-90.0 <sup>0</sup> Bx



# 30.10 Brix (°Bx) Glass Hydrometers

- °Bx=% Sucrose (Sugar) in Water
- Shot & Wax Poised, Adjusted for use at 20°C/\*27.5°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range (°Bx)
118-900/1	Brix (°Bx) Glass Hydrometer , 00.0-10.0 °Bx
118-900/2	Brix (°Bx) Glass Hydrometer , 10.0-20.0 <sup>0</sup> Bx
118-900/3	Brix (°Bx) Glass Hydrometer , 20.0-30.0 °Bx
118-900/4	Brix (°Bx) Glass Hydrometer , 30.0-40.0 <sup>0</sup> Bx
118-900/5	Brix (°Bx) Glass Hydrometer , 40.0-50.0 <sup>0</sup> Bx
118-900/6	Brix (°Bx) Glass Hydrometer , 50.0-60.0 <sup>0</sup> Bx
118-900/7	Brix (°Bx) Glass Hydrometer , 60.0-70.0 <sup>0</sup> Bx
118-900/8	Brix (°Bx) Glass Hydrometer , 70.0-80.0 <sup>0</sup> Bx
118-900/9	Brix (°Bx) Glass Hydrometer , 80.0-90.0 <sup>0</sup> Bx
118-900/10	Brix (°Bx) Glass Hydrometer , 00.0-30.0 <sup>0</sup> Bx
118-900/11	Brix (°Bx) Glass Hydrometer , 30.0-60.0 <sup>0</sup> Bx
118-900/12	Brix (°Bx) Glass Hydrometer , 60.0-90.0 <sup>0</sup> Bx



# 30.11 Soil Glass Hydrometers

- Shot & Wax Poised, Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range (°Soil)	
119-000/1	Soil Glass Hydrometer , 0.995-1.030 Sp. Gr.	
119-000/2	Soil Glass Hydrometer , -5 to 60 Sp. Gr.	



# 30.12 Sikes (°SK) Glass Hydrometers/Alcoholometers

- For Distillery and Alcohol Industries
- Shot & Wax Poised, Adjusted for use at 51°F
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range (°Sikes)
119-100/1	Sikes (°SK) Glass Hydrometer, 00.0-20.0 °ASK
119-100/2	Sikes (°SK) Glass Hydrometer, 00.0-20.0 °SK
119-100/3	Sikes (°SK) Glass Hydrometer, 20.0-40.0 °SK
119-100/4	Sikes (°SK) Glass Hydrometer, 40.0-60.0 °SK
119-100/5	Sikes (°SK) Glass Hydrometer, 60.0-80.0 °SK
119-100/6	Sikes (°SK) Glass Hydrometer, 80.0-100.0 °SK
119-100/7	Sikes (°SK) Glass Hydrometer, 60.0-90.0 °SK



# **30.13 Glass Alcoholometers**

- Gay Lussac %v/v Ethyl Alcohol in Water
- Shot & Wax Poised, Adjusted for use at 15.6°C/20°C
- Made of Heat Resistant Borosilicate Glass.



Ordering information with Specifications.	
Cat. No.	Range (%v/v Ethyl Alcohol)
119-200/1	Glass Alcoholometers, 00.0-20.0%
119-200/2	Glass Alcoholometers, 20.0-40.0%
119-200/3	Glass Alcoholometers, 40.0-60.0%
119-200/4	Glass Alcoholometers, 60.0-80.0%
119-200/5	Glass Alcoholometers, 80.0-100.0%
119-200/6	Glass Alcoholometers, 0-100%
119-200/7	Glass Alcoholometers, 0-10%
119-200/8	Glass Alcoholometers, 10-20%
119-200/9	Glass Alcoholometers, 20-30%
119-200/10	Glass Alcoholometers, 30-40%
119-200/11	Glass Alcoholometers, 40-50%
119-200/12	Glass Alcoholometers, 50-60%
119-200/13	Glass Alcoholometers, 60-70%
119-200/14	Glass Alcoholometers, 70-80%
119-200/15	Glass Alcoholometers, 80-90%
119-200/16	Glass Alcoholometers, 90-100%
119-200/17	Glass Alcoholometers, 94-104%



# 30.14 Sikes Hydrometers/Alcohol Hydrometers (Zeal Made in England)

- Sikes Hydrometer at 51°F
- Zeal Made in England
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range (°Sikes)
119-300/1	Sikes Hydrometer, 00.0-20.0 °ASK
119-300/2	Sikes Hydrometer, 00.0-20.0 °SK
119-300/3	Sikes Hydrometer, 20.0-40.0 °SK
119-300/4	Sikes Hydrometer, 40.0-60.0 °SK
119-300/5	Sikes Hydrometer, 60.0-80.0 °SK
119-300/6	Sikes Hydrometer, 80.0-100.0 °SK



## 30.15 Glass Alcoholometers

- Way Lussac %v/v Ethyl Alcohol in Water
- Adjusted for use at 15.6°C/20°C
- Zeal Made in England
- Made of Heat Resistant Borosilicate Glass.

Ordering information with specifications.	
Cat. No.	Range (%v/v Ethyl Alcohol)
119-400/1	Glass Alcoholometers, 00.0-20.0%
119-400/2	Glass Alcoholometers, 20.0-40.0%
119-400/3	Glass Alcoholometers, 40.0-60.0%
119-400/4	Glass Alcoholometers, 60.0-80.0%
119-400/5	Glass Alcoholometers, 80.0-100.0%
119-400/6	Glass Alcoholometers, 0-100%
119-400/7	Glass Alcoholometers, 0-10%
119-400/8	Glass Alcoholometers, 10-20%
119-400/9	Glass Alcoholometers, 20-30%
119-400/10	Glass Alcoholometers, 30-40%
119-400/11	Glass Alcoholometers, 40-50%
119-400/12	Glass Alcoholometers, 50-60%
119-400/13	Glass Alcoholometers, 60-70%
119-400/14	Glass Alcoholometers, 70-80%
119-400/15	Glass Alcoholometers, 80-90%
119-400/16	Glass Alcoholometers, 90-100%



#### 30.16 Brass Beaume Hydrometers

- Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Range ( <sup>0</sup> Be)
119-500/1	Brass Baume (°Be) Hydrometer, 00.0-10.0 <sup>0</sup> Be
119-500/2	Brass Baume (°Be) Hydrometer, 10.0-20.0 <sup>0</sup> Be
119-500/3	Brass Baume (°Be) Hydrometer, 20.0-30.0 <sup>0</sup> Be
119-500/4	Brass Baume (°Be) Hydrometer, 30.0-40.0 <sup>0</sup> Be
119-500/5	Brass Baume (°Be) Hydrometer, 40.0-50.0 <sup>0</sup> Be
119-500/6	Brass Baume (°Be) Hydrometer, 50.0-60.0 <sup>0</sup> Be
119-500/7	Brass Baume (°Be) Hydrometer, 60.0-70.0 <sup>0</sup> Be
119-500/8	Brass Baume (°Be) Hydrometer, 00.0-20.0 <sup>0</sup> Be
119-500/9	Brass Baume (°Be) Hydrometer, 20.0-40.0 <sup>0</sup> Be
119-500/10	Brass Baume (°Be) Hydrometer, 40.0-60.0 <sup>0</sup> Be



### 30.17 Brass Brix Hydrometers

- Adjusted for use at 20°C
- Made of Heat Resistant Borosilicate Glass.



Cat. No.	Sp. Gr. Range
119-600/1	Brass Brix (°Bx) Glass Hydrometer , 00.0-10.0 <sup>0</sup> Bx
119-600/2	Brass Brix (°Bx) Glass Hydrometer , 10.0-20.0 °Bx
119-600/3	Brass Brix (°Bx) Glass Hydrometer , 20.0-30.0 <sup>0</sup> Bx
119-600/4	Brass Brix (°Bx) Glass Hydrometer , 30.0-40.0 <sup>0</sup> Bx
119-600/5	Brass Brix (°Bx) Glass Hydrometer , 40.0-50.0 °Bx
119-600/6	Brass Brix (°Bx) Glass Hydrometer , 50.0-60.0 <sup>0</sup> Bx
119-600/7	Brass Brix (°Bx) Glass Hydrometer , 60.0-70.0 <sup>0</sup> Bx
119-600/8	Brass Brix (°Bx) Glass Hydrometer , 70.0-80.0 <sup>0</sup> Bx
119-600/9	Brass Brix (°Bx) Glass Hydrometer , 80.0-90.0 <sup>0</sup> Bx
119-600/10	Brass Brix (°Bx) Glass Hydrometer , 00.0-30.0 <sup>0</sup> Bx
119-600/11	Brass Brix (°Bx) Glass Hydrometer , 30.0-60.0 <sup>0</sup> Bx
119-600/12	Brass Brix (°Bx) Glass Hydrometer, 60.0-90.0 <sup>0</sup> Bx



### 31. DIARY & MILK TESTING APPARATUS

### 31.1 Butyrometer

Made of Heat Resistant Borosilicate Glass.

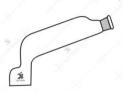


Cat. No.	Description
110-000/1	Butyrometer with plain neck with stem 10% Dr. Gerber's Design
110-000/2	Butyrometer with plain neck with stem 10% Dr. Gerber's Design, double tested ISI marked
110-000/3	Butyrometer ISI marked
110-000/4	Butyrometer Butter Grade 0-100% or 0-90% or 0-80% with cup and rubber stopper, weighing type
110-000/5	Butyrometer Cream 0-70% weighing type as per ISI specifications
110-000/6	Butyrometer Cream 0-70% Volumetric Method as per ISI specifications
110-000/7	Butyrometer Skim Milk 0-0.5%
110-000/8	Lock Stopper for Butyrometer
110-000/9	SS Key for Butyrometer stopper



### 31.2 Mojjonier Flask

• Made of Heat Resistant Borosilicate Glass.

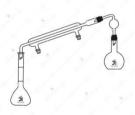


### **Ordering Information with Specifications:**

Cat. No.	Description
110-100/1	Mojjonier Flask as per ISI specifications
110-100/2	Silicon Cork for Mojjonier Flask

### 31.3 Reichert Wollney's Apparatus

Made of Heat Resistant Borosilicate Glass.

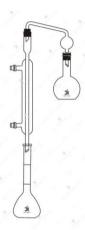


Cat. No.	Description
110-200/1	Reichert Wollney's Apparatus, with rubber cork fitting without stand and burner
110-200/2	Reichert Wollney's Apparatus with standard joint fitting
110-200/3	Flask flat bottom 300 ml. for Reichert Wollney's Apparatus
110-200/4	Flask flat bottom with 24/29 socket for Reichert Wollney's Apparatus with standard joint fitting
110-200/4	Condenser for Reichert Wollney's Apparatus
110-200/5	Still Head for Reichert Wollney's Apparatus



#### 31.4 Polenske's Apparatus (R.M. Value Apparatus)

• Made of Heat Resistant Borosilicate Glass.



Catalogue. No.	Description
110-300/1	Polenske's Apparatus, with rubber cork fitting
110-300/2	Polenske's Apparatus with standard joint fitting
110-300/3	Flask flat bottom 300 ml. for Polenske's Apparatus
110-300/4	Flask flat bottom with 24/29 socket for Polenske's Apparatus with standard joint fitting
110-300/5	Condenser for Polenske's Apparatus
110-300/6	Condenser with 24/29 socket
110-300/7	Still Head for Polenske's Apparatus
110-300/8	Still Head for Polenske's Apparatus with standard joint fitting



### 31.5 Flask standard 100-110 marked, with NABL Certificate.

• Made of Heat Resistant Borosilicate Glass.





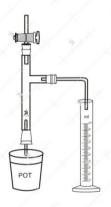
### 32. PLANT PHYSIOLOGY

Plant physiology is a sub discipline of botany concerned with the functioning, or physiology, of plants. Closely related fields include plant (structure of plants), plant ecology (interactions with the environment), photochemistry (biochemistry of plants), cell biology, genetics, biophysics and molecular biology.

Fundamental processes such as photosynthesis, respiration, plant nutrition, plant hormone functions, tropisms, mastic movements, photo periodic, photo morphogenesis, circadian rhythms, environmental stress physiology, seed germination, dormancy and stomata function and transpiration, both parts of plant water relations, are studied by plant physiologists.

## 32.1 Apparatus for experiments on root pressure, T-tube with stopcock and Graduated Jar, without pot.

- Made of Heat Resistant Borosilicate Glass.
- T-tube with stopcock and Graduated Jar, without pot.



**Ordering Information:** 



#### 32.2 High Pressure Manometer, Ganong's

• Made of Heat Resistant Borosilicate Glass.



**Ordering Information:** 

Cat. No. 113-100

### 32.3 Apparatus for the demonstration of Osmotic Pressure, Pfeffer's complete with Jar.

• Made of Heat Resistant Borosilicate Glass.

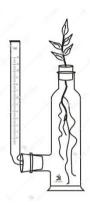


**Ordering Information:** 



## 32.4 Apparatus for determining the quality of water absorbed and given off by transpiring plants, bottle, side tube.

• Made of Heat Resistant Borosilicate Glass.

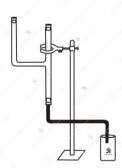


**Ordering Information:** 

Cat. No. 113-300

## 32.5 Potometer, for observing the rate of absorption of water by transpiring plants under varying circumstances, complete.

• Made of Heat Resistant Borosilicate Glass.



**Ordering Information:** 



#### 32.6 Potometer, Farmer's bottle, fitting.

• Made of Heat Resistant Borosilicate Glass.

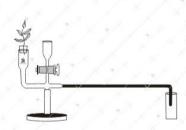


### **Ordering Information:**

Cat. No. 113-500

### 32.7 Potometer, Ganong's

Made of Heat Resistant Borosilicate Glass.



### **Ordering Information:**



## 32.8 Apparatus for demonstrate suction due to transpiration. A capillary tube with funnel at top and scale attached.

• Made of Heat Resistant Borosilicate Glass.

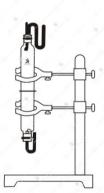


**Ordering Information:** 

Cat. No. 113-700

### 32.9 Apparatus for investigating transpiration, complete on stand.

Made of Heat Resistant Borosilicate Glass.

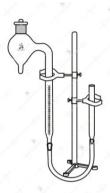


**Ordering Information:** 



#### 32.10 Respirometer, Complete with graduated and leveling tubes, rubber tubing and stand.

- Made of Heat Resistant Borosilicate Glass.
- Complete with graduated and leveling tubes, rubber tubing and stand.

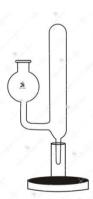


### **Ordering Information:**

Cat. No. 113-900

### 32.11 Fermentation Vessel, Kuhn's on stand.

Made of Heat Resistant Borosilicate Glass.



#### **Ordering Information:**



#### 32.12 Demonstration Respiroscope, with bottle.

• Made of Heat Resistant Borosilicate Glass.

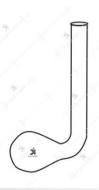


#### **Ordering Information:**

Cat. No. 114-100

### 32.13 Retort Shaped Vessel, for the culture of plants in a spacedevoid of oxygen.

Made of Heat Resistant Borosilicate Glass.

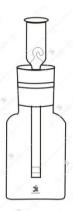


#### **Ordering Information:**



#### 32.14 Willmout Bubbler, with bottle.

• Made of Heat Resistant Borosilicate Glass.

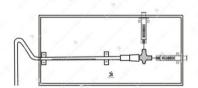


**Ordering Information:** 

Cat. No. 114-300

#### 32.15 Photosynthesis

Made of Heat Resistant Borosilicate Glass.



**Ordering Information with Specifications:** 

Cat. No. 114-400

Comprising two syringes connected to a collecting tube via a 3-way tap. This arrangement enables the gas to be drawn along the capillary tube by one syringe and collected into the second syringe for analysis. The apparatus is mounted on a background plate 240 x 100 mm. Capillary bore 01 mm.