

Manufacturer of  
Laboratory Glassware  
**From 3.3 low Expansion  
Borosilicate Glass**

DIN

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ISO

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ASTM

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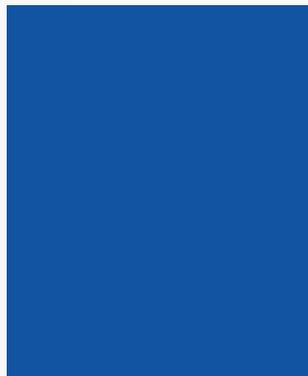
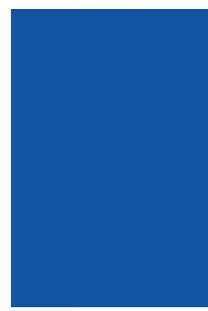
USP

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API





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Dear clients

We are pleased to introduce our 2022-23 edition of OMSONS catalog.

This new edition new edition of our price list contains lot of new products which Includes Volumetric Glassware, Filtration Glassware, General Glassware, Metalware, Thermometer & hydrometers.

This year you will get to see a whole new setup of our price list, we list three kinds of categories.

Class 'A' - now in class 'a' we provide work certificate in very low prices with best quality.

Batch certificate - in this we provide class 'A' with batch certificate. We have online certificate facility by scanning qr code as given in catalogue.

Class 'B' - glassware without any certificate, very low in price, best in quality.

All of this is done to ensure simplicity in your decision making.

In this past year OMSONS constantly improved its market and have endeavor to improve in future and with Strength of quality and service.

Why you choose OMSONS products?

High raw material purity guarantees uniform glass properties.

Decades of experience in the manufacture of laboratory glassware, thermometers, hydrometers guarantees

Constant quality. Uniform wall thickness distribution in all areas of the articles.

Consequently improved mechanical stability and improved resistance to temperature Changes.

Prevents stresses forming in the glass and possible bursting during heating and cooling.

Advantages: improves safety for employees, longer service life fo laboratory glassware Protection of valuable substance.

Hope the new edition of our catalogue will be useful in right product that meets your needs. Wish you a successful upcoming year.

Thanking you.

Omsons Glassware Private Limited

E-mail: [sales@omsonsnsi.com](mailto:sales@omsonsnsi.com)



## Corporate Profile

OMSONS GLASSWARE PRIVATE LIMITED was established in May 1983 with brand name OMSONS and LIEMCO and starts manufacturing of three type of products (LABORATORY GLASSWARE, THERMOMETER & HYDROMETER) today OMSONS is the leading manufacturer of Lab Glassware Thermometers & Hydrometers and having Infrastructure of 24800 Square Meter.

Today OMSONS is the market leader in Thermometer & Hydrometers and one of the most famous and trusted brand in Laboratory Glassware.



# Our Brands

**OMSONS**  
GERMANY



Manufacturers of Laboratory Glassware  
From 3.3 low Expansion Borosilicate Glass

PRICE LIST 2022-23

DIN | ISO | ASTM | USP | BS | API



**LIEMCO**



**f**  
**ilterpore**

## Manufacturing Facility

OMSONS has more than 55 glassblowers working on German automatic & semi-automatic for complete the production of Beakers, Volumetric Glassware, Flasks, Joints, Test Tubes.

OMSONS has more than 25 glassblowers for production of precision glassware like Condensers, Jointed Glassware, Assemblies, General Glass Thermometer, Precision Glass Thermometer, Hydrometers, Radiometers, Spectrum Discharge Tubes, Power Supply For Spectrum Tubes.

## Automatic Production

our production unit is installed with automatic machine which gives high performance with bulk production capability, Please find some of the pictures of our machines.



Lathe Machine



Automatic Test Tube Machine



Automatic Culture Tube Machine



Thermometer Blister Machine



Thermometer Bulb Foaming Machine



Thermometer Bulb Joining Machine

# Types of Certificates

## **Conformity Mark DE-M**

Volumetric instruments that comply with the requirements of applicable standards (e.g. the weights and measures regulation) are labelled accordingly with "DE-M" The "DM 21" mark is made up of the elements DE (which stands for "Deutschland"), M (which stands for "Metrology" (metrology) ), and the year number 21(2021), the year is which the measuring instrument was labelled).

## **Batch Certificate**

Volumetric flask, Measuring Cylinder, Pipettes, Burettes with a batch number and accuracy Class A are supplied with a batch certificate. This certificate documents the mean value obtained from measuring the batch in question, the standard deviation and the date of issue.

## **Individual Certificate**

Volumetric flask, Measuring Cylinder, Pipettes, Burettes which are numbered individually, are supplied with an individual certificate. The individual number is permanently printed onto the Volumetric flask, Measuring Cylinder, Pipettes, Burettes and is entered on the corresponding certificate.

## **NABL : ISO/IEC 17025:2017 Certificate**

Volumetric Flask, Measuring Cylinder, Pipettes, Burettes, Hydrometers, Thermometers which are numbered individually, are supplied with an NABL : ISO/IEC 17025: 2017 certificate. The individual number is permanently printed onto the Volumetric flask, Measuring Cylinder, Pipettes, Burettes, Hydrometers, Thermometers and is entered on the corresponding certificate.

## **Compliance Certificate**

Certificate of Compliance is issued with Beakers, Conical and Reagent Bottles to certify their compliance with the respective standards. This certificate is provided with each and every piece.

# Auto Calibration Process



OMSONS performs the calibration process with fully automatic state-of-the-art calibration machines that eliminate any possibility of human error. OMSONS German calibration machines enables to deliver 0.004% accuracy which provides an A-class tolerance. All the volumetric glassware comes with individual calibration certificates.

OMSONS calibration laboratory has undertaken accreditation for its system for calibration and testing as per ISO 17025:2017. OMSONS has an in-house set-up of a well-equipped temperature-controlled calibration laboratory with precision electronic balances, thermometers and stopwatches that are traceable to national standards.

The following steps are carried out by highly precise, fully automated computer-controlled machines:

1. Empty volumetric flask filled with de-mineralized water under controlled temperature.
2. The meniscus is determined with laser-controlled sensors at the lowest point of the meniscus, and the calibration mark is made with a fine diamond wheel.
3. Minimum two point calibration is marked on Cylinders, Burettes and Pipettes.
4. The calibration is done under controlled temperature, light controlled and temperature is maintained at  $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ .

Results of calibration are guaranteed for precision as per DIN, ISO AND USP standards, The German calibration machines ensure the highest level precision.

All calibration laboratories at OMSONS are strictly controlled and done under highly controlled environment maintain right temperature, pressure and humidity. This temperature is very important for the accuracy so if the environmental temperature is different, calibration machines have to be adjusted accordingly.

All volumetric glassware is calibrated either as "To contain" "TC, In" or "To deliver" "TD, EX".



# SAMPLE CERTIFICATES

**OMSONS GLASSWARE PRIVATE LIMITED**  
**Calibration Certificate**

**CLASS 'A'**  
 Calibration Certificate

Calibration For  
 OMSONS - AMBALA CANTT.

Sample Description	Volumetric Flask 25 ml (Cat.50/6)	
Capacity	25 ± 0.04 ml at 27°C	Least Count N/A
Product Serial No.	AV466476	
Date of Receipt	25/02/2021	
Date of Calibration	25/02/2021	
Calibration Purpose	Measurement of Value	
Environmental Conditions	Temperature 23±2°C, Relative Humidity 50.0±15%RH	

Nominal Capacity	Actual Capacity(ml)	Delivery Time
25ml	25.005	NA

Expanded Uncertainty (@95% C.L,K=2) ± 0.05 ml  
 Calibration Method NSI Calibration Laboratory Procedure NoRD17-14-09-2015/Rev01  
 Traceability of major equipments/materials/standards used.

Equipment ID.No.  
 Digital Weighing Balance 33092322  
 Digital Thermometer(OMSONS) 15070505/D5.03/C-082

All the above equipments are traceable to National Standards through NABL accredited Laboratory  
 Note:-  
 The calibration results in this certificate valid at the time of and under the stated conditions of measurements for the particular sample identified above

Certificate No. 183972

UNIT: Khushi Kolan to Saperna Road, Vill. Saperna, P.O. Pankhni, -130104, Ambala, Haryana (INDIA)  
 Ph: (0171) 400723 • Mobile: +91 98120 63733, 98131 93495, 99025 25018  
 E-mail: exports@omsonsltd.com, info@omsonsltd.com | Website: www.omsonsltd.com

**OMSONS CALIBRATION LABORATORY**  
**NARINDRA SCIENTIFIC INDUSTRIES**  
 AN ISO/IEC 17025:2005 ACCREDITED CALIBRATION LABORATORY  
**Calibration Certificate**

**CLASS 'A'**  
 Calibration Certificate

Calibration For  
 OMSONS - AMBALA CANTT.

Sample Description	S G BOTTLE 25 ml NABL (Cat.250/4)	
Capacity	25 ± 0.8 ml at 27°C	Least Count N/A
Product Serial No.	AU458793	
Date of Receipt	11/02/2021	
Date of Calibration	11/02/2021	
Calibration Purpose	Measurement of Value	
Environmental Conditions	Temperature 23 ± 2 °C, Relative Humidity 50.0 ± 15RH	

Nominal Capacity	Actual Capacity(ml)	Delivery Time
25ml	24.592	NA

Expanded Uncertainty (@95% C.L,K=2) ± 0.05 ml  
 Calibration Method NSI Calibration Laboratory Procedure NoRD17-14-09-2015/Rev01  
 Traceability of major equipments/materials/standards used.

Equipment ID.No.  
 Digital Weighing Balance 33092322  
 Digital Thermometer(OMSONS) 15070505/D5.03/C-082

All the above equipments are traceable to National Standards through NABL accredited Laboratory  
 Note:-  
 The calibration results in this certificate valid at the time of and under the stated conditions of measurements for the particular sample identified above

Certificate No. 181650

UNIT: Khushi Kolan to Saperna Road, Vill. Saperna, P.O. Pankhni, -130104, Ambala, Haryana (INDIA)  
 Ph: (0171) 400723 • Mobile: +91 98120 63733, 98131 93495, 99025 25018  
 E-mail: exports@omsonsltd.com, info@omsonsltd.com | Website: www.omsonsltd.com

**OMSONS CONFIRMITY CERTIFICATE**

**Manufacturer:** OMSONS GLASSWARE PRIVATE LIMITED.

**Declaration of Product:** Graduated Narrow Mouth Laboratory bottle with DIN thread made of Boro Glass.

**Material :** Complies with DIN/ISO 4796 with screw cap and pouring ring, printed with retrace code. Autoclavable & can be sterilized at 121 or 140 C and for Dry Heat sterilization upto 180 C.

Cat. No.	Capacity (mL)	Din Thread
243/1	10*	GL25
243/2	25*	GL25
243/3	50*	GL32
243/4	100	GL45
243/5	150	GL45
243/6	250	GL45
243/7	500	GL45
243/8	1000	GL45
243/9	2000	GL45
243/10	3000	GL45
243/11	5000	GL45



**Compliance :** The product above comply in every respect characteristics measured and accuracy are in fully conformity with the provisions of the standard DIN ISO 4796-1 system.

*(This is computer generated certificate & do not require any signature)*

**OMSONS CONFIRMITY CERTIFICATE**

**Manufacturer:** OMSONS GLASSWARE PRIVATE LIMITED.

**Declaration of Product:** Erlenmeyer flask narrow neck made of the heat resistance boro 3.3 glass that meets ASTM E-438 Type-1 CLASS A comply as per German weight and regulation standards.

Cat. No.	Capacity (mL)
145/1	25
145/2	50
145/3	100
145/4	150
145/5	250
145/6	500
145/7	1000
145/8	2000
145/9	3000
145/10	5000



*(This is computer generated certificate & do not require any signature)*

# ISO/IEC 17025 : 2017 Accreditation Certificate



National Accreditation Board for  
Testing and Calibration Laboratories

## CERTIFICATE OF ACCREDITATION

### **CALIBRATION LABORATORY NARINDRA SCIENTIFIC INDUSTRIES**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

**KHUDA KALAN TO SPEHRA ROAD, VILLAGE SPEHRA P.O PILKHANI, AMBALA, HARYANA, INDIA**

in the field of

**CALIBRATION**

Certificate Number: **CC-1003**

Issue Date: **18/02/2021**

Valid Until:

**17/02/2023**

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Identity : **NARINDRA SCIENTIFIC INDUSTRIES**

**Signed for and on behalf of NABL**



**N. Venkateswaran**  
Chief Executive Officer

# Our Quality Assurance Process

## Raw Material

OMSONS makes all its products from ASTM E-438. TYPE 1 CLASS-A BORO 3.3 Glass tubing.

## Production

OMSONS use automatic & semi-automatic machines to produce its products according to international standards.

## Dimensional Checks

Dimensional checks are performed by our QC Department in accordance with international standard.

## Glass Optical Checks

Each piece produced by OMSONS is checked for the stress. Which might cause the cracking of the glass.

## Glass Thickness & Strength

Every single piece produced by OMSONS is essentially checked for the wall thickness to regulate the strength & ensure adherence to DIN/ASTM/ISO standards.

## Joint Testing

The joints are tested for their fitness as per their taper of cones and sockets to ensure highest level fitness and ensure no leaks. Vacuum tests are performed subsequent to the fitness checks to ensure absolutely no leaks.

## Post Printing Checks

The Glassware is checked for the print quality at two stages first before putting in the furnace and after taking out of furnace, this ensure no product with defective print tests are carried out as per ISO 4794 to ensure that enamel does not rub-off even with multiple usage.

# TECHNICAL INFORMATION

## Chemical Composition

Glassware Glass is an inorganic mixture of metal oxides Fused together at high temperatures, which upon cooling, solidifies into the clear, rigid, non crystalline, versatile material known widely across the globe.

### CHEMICAL COMPOSITION

Si O <sub>2</sub>	=	80.5%
B <sub>2</sub> O <sub>3</sub>	=	13%
NA <sub>2</sub> O	=	4%
AL <sub>2</sub> O <sub>3</sub>	=	2.3%

### GLASS BLOWING DATA

Working Point	=	1250 °C
Softening Point	=	821 °C
Annealing Point	=	565 °C
Strain Point	=	510 °C

## Physical Properties

Coefficient of expansion (20-300°C) Density Refractive index (Sodium D line) Dielectric constant (1MHz, 20°C Specific heat (20°C) Thermal conductivity (20°C) Poissons Ratio (25-400°C).

33x10<sup>6</sup>k 2.23g/cm 1.474 4.6 750/kg 1.14W/moc 0.2

## Chemical Properties

Borosilicate glass has a very high resistance to attack from water, acids, salt solutions, halogens and organic solvents. Only hydrofluoric acid, hot concentrated phosphoric acid and strong alkaline solutions cause appreciable corrosion of the glass

## Hydrolytic Resistance

For many applications, it is important that laboratory glassware has excellent hydrolytic resistance: eg. during steam sterilisation procedures, where repeated exposure to water vapour at high temperature can leach out alkali (Na<sup>+</sup>) ions. borosilicate glass has a relatively low alkali metal oxide content and consequently a high resistance to attack from water fits into Class 1 of glasses For hydrolytic resistance according to ISO 719 (98°C) and ISO 720 (121°C).



# QR Code For Online Calibration Certificate

In this new edition of our catalogue we are introducing QR code printed on each Volumetric Glassware. You can scan that QR and reach directly on our web page. Follow the steps for getting the certificate from web page.



**01**  
STEP

Scan **QR** Code from Volumetric Flask with the help of **QR** code scanner on your smart phone.

**02**  
STEP

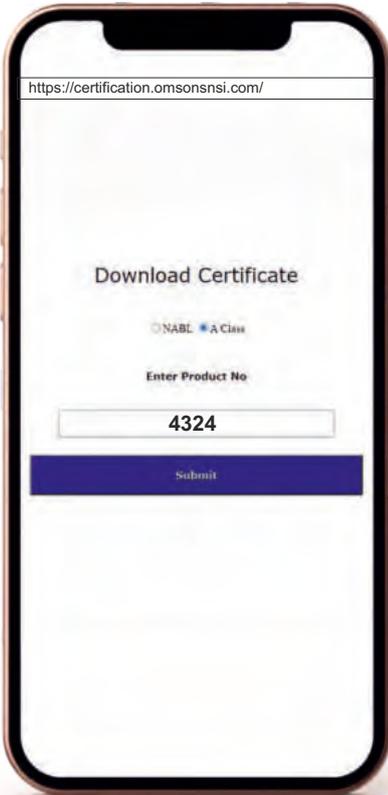
Select glassware certificate on web page.

**03**  
STEP

Enter Serial No. from glassware in given column on web page.

**04**  
STEP

Your certificate is ready now to be saved or print as you need.





## MISSION

TOMORROW'S SCIENCE

*Depends on what we do today. We aim to contribute to a healthier, smarter and safer world by supporting science and the people who work within it.*



## VISION

WE ENDEAVOUR

*To be the scientist's supplier of choice by delivering the highest quality products and services supported with a fast, flexible and friendly approach.*



## VALUES

Accountability & Commitment  
Corporate Citizenship  
Honesty & Integrity  
Scientific Expertise  
Diversity  
Teamwork

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# SYRINGE FILTER



**FILTERPORE** Syringe filters provide a very fast and efficient means of clarifying and preparing all types of small to mid volume samples prior to analysis on the instrument. These are available with a wide range of membranes types like Nylon-66, PVDF, PTFE and Polyethersulfone membranes in pack of 100 as well as individually pre sterile packs. Syringe filters are primary choices for analytical sample filtration. Syringe filters are syringe-coupled filters. Choosing the correct type of filter device for your application allows you to speed up and simplify your filtration step.

**FILTERPORE** Syringe filters are also available with combination of membrane and microglassfiber. Microglassfiber acts as a prefilter and prevents the membrane from clogging. This combination is used for high particulate loaded samples.

## TECHNICAL SPECIFICATIONS

Cat. No.	Type	Pore Size	Bubble Point of Membrane/Media (IPA Wet)	MOC
FP-25020	Syringe filters type NN-66	0.2um	18-25 psi	<b>Housing:</b> polypropylene, <b>Filter:</b> Hydrophilic Nylon 66 Membrane, with or without Borosilicate Microglassfiber
FP-25045	Syringe filters type NN-66	0.45um	10-14 psi	<b>Housing:</b> polypropylene, <b>Filter:</b> Hydrophilic Nylon 66 Membrane, with or without Borosilicate Microglassfiber
PES-25020	Syringe filters type PES	0.2um	18-25 psi	<b>Housing:</b> polypropylene, <b>Filter:</b> Hydrophilic PES Membrane, with or without Borosilicate Microglassfiber
PES-25045	Syringe filters type PES	0.45um	10-14 psi	<b>Housing:</b> polypropylene, <b>Filter:</b> Hydrophilic PES Membrane, with or without Borosilicate Microglassfiber
PVDF-25020	Syringe filters type PVDF	0.2um	18-25 psi	<b>Housing:</b> polypropylene, <b>Filter:</b> Hydrophilic PVDF Membrane, with or without Borosilicate Microglassfiber
PVDF-25045	Syringe filters type PVDF	0.45um	10-14 psi	<b>Housing:</b> polypropylene, <b>Filter:</b> Hydrophilic PVDF Membrane, with or without Borosilicate Microglassfiber
PTFE-25020	Syringe filters type PTFE	0.2um	18-25 psi	<b>Housing:</b> polypropylene, <b>Filter:</b> Hydrophilic PTFE Membrane, with or without Borosilicate Microglassfiber
PTFE-25045	Syringe filters type PTFE	0.45um	10-14 psi	<b>Housing:</b> polypropylene, <b>Filter:</b> Hydrophilic PTFE Membrane, with or without Borosilicate Microglassfiber

Diameter/Size available.	Sample Volume	Hold up Volume	Effective filtration area	Inlet connection	Outlet connection	Flow direction
25 mm	100ml	≤ 50 ul	0.8 cm <sup>2</sup>	Female leuc lock	Male leuc	inlet to outlet
13 mm	10ml	≤ 20 ul	12.5 cm <sup>2</sup>	Female leuc lock	Male leuc	inlet to outlet



## SALIENT FEATURES OF SYRINGE FILTERS

Sterilisation	:	Autoclavable at 121 °C for 30 minutes
Maximum Operating	:	Temperature 90 °C Continuous
Maximum operating pressure	:	7kg/cm <sup>2</sup>
Biosafety	:	passes Biological test for classVI Plastics as described in USP
Oxidisable matter	:	passes as per USP
Extractables with DI-Water	:	passes as per USP

## BENEFITS

- Solvent resistant PP mould
- Colour coded for easy identification
- Extended LC Column life
- Luer lock inlet provides strong, leak-tight syringe connection to withstand filtration pressure
- Wide chemical Compatibility
- Faster flow rates
- Very low extractable levels
- Low hold up volumes
- High heat resistance
- Choice of selection for aqueous or non aqueous solutions.
- With Pre-filter membrane gives higher throughput

## APPLICATIONS

- General purpose filtration of aqueous and non aqueous solutions where filtration volume is low.
- To remove particles from a sample, prior to analysis by HPLC
- Syringe filters are also available for the filtration of gases
- Removal of bacteria from a sample.

# Adapters



**163****Adapters Reduction**

- Complies as per DIN 12257
- Small size socket at top & big size cone at bottom

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
163/1	14/23	19/26	10	90.00
163/2	14/23	24/29	10	100.00
163/3	14/23	29/32	10	136.00
163/4	19/26	24/29	10	110.00
163/5	19/26	29/32	10	130.00
163/6	19/26	34/35	10	160.00
163/7	19/26	40/38	10	204.00
163/8	19/26	45/40	10	227.00
163/9	19/26	55/44	10	313.00
163/10	24/29	29/32	10	140.00
163/11	24/29	34/35	10	170.00
163/12	24/29	40/38	10	200.00
163/13	24/29	45/40	10	233.00
163/14	24/29	50/42	10	284.00
163/15	24/29	55/44	10	306.00
163/16	29/32	34/35	10	180.00
163/17	29/32	40/38	10	210.00
163/18	29/32	45/40	10	250.00
163/19	34/35	40/38	10	260.00
163/20	34/35	45/40	10	322.00
163/21	34/35	50/42	10	366.00

**164****Adapters, Expansion**

- Complies as per DIN 12257
- Big size socket at top & small size cone at bottom.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
164/1	19/26	14/23	10	98.00
164/2	24/29	14/23	10	130.00
164/3	24/29	19/26	10	130.00
164/4	29/32	14/23	10	160.00
164/5	29/32	19/26	10	160.00
164/6	29/32	24/29	10	160.00
164/7	34/35	19/26	10	186.00
164/8	34/35	24/29	10	200.00
164/9	34/35	29/32	10	206.00
164/10	40/38	24/29	10	240.00
164/11	45/40	29/32	10	300.00



# ADAPTERS



## 165 Adapters, Multiple

- Complies as per DIN 12257
- Comes with two parallel necks with sockets & one cone at bottom

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
165/1	14/23	14/23	1	210.00
165/2	14/23	19/26	1	230.00
165/3	19/26	19/26	1	240.00
165/4	19/26	24/29	1	245.00
165/5	24/29	24/29	1	294.00
165/6	19/26	34/35	1	330.00
165/7	29/32	29/32	1	380.00



## 166 Adapters Multiple

- Comes with two necks, one vertical, one at 45°C & one cone at bottom.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
166/1	14/23	14/23	1	210.00
166/2	14/23	19/26	1	220.00
166/3	14/23	24/29	1	230.00
166/4	19/26	19/26	1	240.00
166/5	19/26	24/29	1	246.00
166/6	14/23	29/32	1	240.00
166/7	29/32	29/32	1	280.00



## 167 Adapters, Multiple

- Comes with three similar necks, two parallel, one at 45°

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
167/1	19/26	19/26	1	340.00
167/2	19/26	24/29	1	350.00
167/3	19/26	29/32	1	400.00
167/4	24/29	24/29	1	480.00
167/5	29/32	29/32	1	550.00



## 168 Adapters, Swan Neck

- Comes with screw thread for a thermometer or to have a rubber hose.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
168/1	14/23	19/26	1	180.00
168/2	19/26	19/26	1	180.00
168/3	19/26	24/29	1	180.00
168/4	24/29	24/29	1	190.00
168/5	29/32	29/32	1	210.00





## 169 Adapters, Receiver Delivery

- With short stem.

Cat. No.	Socket Size mm	Length (Approx.)	Pack of	Price / Piece
169/1	14/23	65mm	10	100.00
169/2	19/26	65mm	10	128.00
169/3	24/29	65mm	10	130.00
169/4	29/32	65mm	10	150.00



## 169A Adapters, Receiver Delivery

- With Long stem.

Cat. No.	Socket Size	Length (Approx.)	Pack of	Price / Piece
169A/1	14/23	190mm	10	170.00
169A/2	19/26	200mm	10	200.00
169A/3	24/29	200mm	10	230.00
169A/4	29/32	200mm	10	290.00



## 170

### Adapters, Receiver

- Straight stem.

Cat. No.	Socket Size	Pack of	Price / Piece
170/1	14/23	10	100.00
170/2	19/26	10	110.00
170/3	24/29	10	130.00
170/4	29/32	10	150.00



## 171

### Adapters, Receiver, Bend with Vent

- With Drip Tip
- With side arm to provide vent to atmosphere.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
171/1	14/23	14/23	1	180.00
171/2	19/26	19/26	1	200.00
171/3	19/26	24/29	1	210.00
171/4	24/29	24/29	1	250.00
171/5	29/32	29/32	1	380.00



# ADAPTERS



## 172 Adapters, Receiver, vacuum, Angled

- Compliance with DIN 12594.
- With Drip Tip & delivery stem within cone.
- Bend with vacuum connection & screw thread.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
172/1	14/23	14/23	1	204.00
172/2	14/23	19/26	1	210.00
172/3	19/26	19/26	1	216.00
172/4	19/26	24/29	1	222.00
172/5	24/29	24/29	1	258.00
172/6	24/29	29/32	1	290.00
172/7	29/32	29/32	1	350.00



## 172A Adapters Distillation 105°

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
172A/1	14/23	14/23	1	220.00



## 172B

### Adapters, Receiver, Vacuum Straight

- With Drip Tip & delivery stem within cone.
- Straight with Vacuum Connection & Screw Thread Adapter.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
172B/1	14/23	14/23	1	200.00
172B/2	14/23	19/26	1	210.00
172B/3	19/26	19/26	1	216.00
172B/4	19/26	24/29	1	222.00
172B/5	24/29	24/29	1	258.00
172B/6	24/29	29/32	1	320.00
172B/7	29/32	29/32	1	450.00



## 173

### Adapters, Receiver, Side socket

- Cone with Drip Tip.
- With One Side Inclined at an angle of 105°.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
173/1	14/23	14/23	1	250.00
173/2	19/26	19/26	1	290.00
173/3	19/26	24/29	1	296.00
173/4	24/29	24/29	1	310.00
173/5	29/32	29/32	1	330.00



# ADAPTERS



## 174 Adapters, Receiver, Multiple

- With Multiple Connection & Screw Thread.
- Connection for three flasks.
- With side arm for connection to a vacuum supply.
- With socket for connection to condenser.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
174/1	14/23	14/23	1	430.00
174/2	14/23	19/26	1	438.00
174/3	19/26	19/26	1	450.00



## 176 Adapters, Receiver, Plain Bend

- With Drip Tip.
- Without vent.

Cat. No.	Socket Size	Length (Approx.)	Pack of	Price / Piece
176/1	14/23	14/23	1	176.00
176/2	19/26	19/26	1	186.00
176/3	24/29	24/29	1	210.00
176/4	29/32	29/32	1	320.00



## 177

### Adapters, Recovery Bend, Sloping End

- With Drip Tip.

Cat. No.	Cone Size to fit flask	Cone Size to fit condenser	Pack of	Price / Piece
177/1	14/23	14/23	1	138.00
177/2	24/29	14/23	1	182.00
177/3	19/26	19/26	1	170.00
177/4	24/29	19/26	1	206.00
177/5	29/32	19/26	1	230.00
177/6	29/32	29/32	1	270.00
177/7	24/29	24/29	1	200.00
177/8	34/35	24/29	1	264.00
177/9	29/32	24/29	1	246.00
177/10	34/35	29/32	1	330.00



## 178

### Adapters, Recovery Bend, Vertical

- With Drip Tip.
- Used in distillation assembly.

Cat. No.	Cone Size to fit flask	Cone Size to fit condenser	Pack of	Price / Piece
178/1	14/23	14/23	1	180.00
178/2	19/26	19/26	1	220.00
178/3	24/29	19/26	1	254.00
178/4	24/29	24/29	1	290.00
178/5	29/32	29/32	1	400.00



# ADAPTERS



## 179 Adapters, Still Head Plain.

- Complies with DIN 12594.
- With Drip Tip.
- With Thermometer Socket.
- Used in distillation assembly for connecting flask to condenser..

Cat. No.	Socket Size	Cone Size to fit flask	Cone Size to fit condenser	Pack of	Price / Piece
179/1	14/23	14/23	14/23	1	214.00
179/2	14/23	19/26	19/26	1	250.00
179/3	14/23	24/29	19/26	1	260.00
179/4	14/23	29/32	19/26	1	280.00
179/5	14/23	34/35	19/26	1	320.00
179/6	14/23	24/29	24/29	1	276.00
179/7	14/23	34/35	24/29	1	430.00
179/8	14/23	29/32	24/29	1	350.00
179/9	14/23	29/32	29/32	1	370.00
179/10	14/23	34/35	29/32	1	450.00



## 180 Adapters, Claisen Heads

- Compliance with DIN 12594
- Sloping with 2 x B14 Socket
- Still heads but with extra socket to accept dropping funnel or stirrer etc.

Cat. No.	Socket Size	Cone Size to fit flask	Cone Size to fit condenser	Pack of	Price / Piece
180/1	14/23	14/23	14/23	1	310.00
180/2	14/23	19/26	19/26	1	340.00
180/3	14/23	24/29	19/26	1	366.00
180/4	14/23	24/29	24/29	1	400.00
180/5	14/23	29/32	29/32	1	420.00
180/6	14/23	34/35	24/29	1	440.00



**181****Adapters, Splash Heads, Sloping**

- With Drip Tip.
- Pear Shape.

Cat. No.	Cone Size to fit flask	Cone Size to fit condenser	Pack of	Price / Piece
181/1	14/23	14/23	1	300.00
181/2	19/26	19/26	1	330.00
181/3	24/29	19/26	1	340.00
181/4	24/29	24/29	1	440.00
181/5	29/32	29/32	1	480.00

**182****Adapters, Splash Heads**

- Vertical, Pear Shape.
- Lower cone accepts flask & upper cone accepts condenser.

Cat. No.	Cone Size to fit flask	Cone Size to fit condenser	Pack of	Price / Piece
182/1	14/23	14/23	1	340.00
182/2	19/26	19/26	1	370.00
182/3	24/29	19/26	1	390.00
182/4	24/29	24/29	1	410.00
182/5	29/32	29/32	1	500.00





## 183 Adapters, Splash Heads, Straight

- With Drip Tip.
- Pear shape.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
183/1	14/23	14/23	1	280.00
183/2	19/26	24/29	1	300.00
183/3	29/32	29/32	1	340.00



## 184 Adapters, Steam Distillation Heads, Sloping

- With Drip Tip.
- With integral stem.

Cat. No.	Cone Size to fit flask	Cone Size to fit condenser	Pack of	Price / Piece
184/1	24/29	19/26	1	438.00
184/2	34/35	19/26	1	450.00
184/3	34/35	24/29	1	465.00



## 185

## Adapters, Straight Cone

- With Glassley stopcock.
- With Drip Tip.

Cat. No.	Cone Size	Bore Size	Angle	Pack of	Price / Piece
185/1	14/23	2.5	Right Angle	1	240.00
185/2	19/26	2.5	Right Angle	1	250.00
185/3	24/29	2.5	Right Angle	1	260.00
185/4	29/32	2.5	Right Angle	1	310.00
185/5	14/23	2.5	Straight	1	240.00
185/6	19/26	2.5	Straight	1	248.00
185/7	24/29	2.5	Straight	1	254.00
185/8	29/32	2.5	Straight	1	310.00



## 187

## Adapter, Socket, with Glass stopcock

Cat. No.	Socket Size	Bore Size	Pack of	Price / Piece
187/1	14/23	2.5	1	260.00
187/2	19/26	2.5	1	266.00
187/3	24/29	2.5	1	276.00
187/4	29/32	2.5	1	320.00



# ADAPTERS

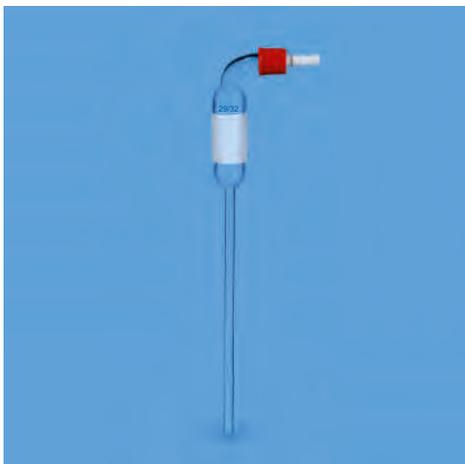


## 188

### Adapters, Cone with Rubber Tubing

- Right angle connection for attachment of rubber hose.
- With Screw Thread.

Cat. No.	Cone Size	Pack of	Price / Piece
188/1	14/23	1	100.00
188/2	19/26	1	114.00
188/3	24/29	1	135.00
188/4	29/32	1	150.00



## 188B

### Adapters, Cone with Stem to Rubber Tubing

- Right angle connection for attachment of rubber hose.

Cat. No.	Cone Size	Pack of	Price / Piece
188B/1	14/23	1	220.00
188B/2	19/26	1	230.00
188B/3	24/29	1	250.00
188B/4	29/32	1	300.00



**203****Adapters, splash head, rotary evaporator**

- For use with rotary evaporators.

Cat. No.	Cap. (mL)	Socket Size	Cone Size	Pack of	Price / Piece
203/1	150	29/32	19/26	1	540.00
203/2	150	29/32	24/29	1	550.00
203/3	150	29/32	29/32	1	560.00

**203A****Adapters, splash head, rotary evaporator, anti-climb**

- For use with rotary evaporators.
- Useful for liquids that have tendency to foam.

Cat. No.	Cap. (mL)	Socket Size	Cone Size	Pack of	Price / Piece
203A/1	150	29/32	19/26	1	540.00
203A/2	150	29/32	24/29	1	550.00
203A/3	150	29/32	29/32	1	560.00





## 204 Adapters, Socket to cone

- With side arm & screw thread for attachment of rubber hose.
- Socket at top & cone at bottom.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
204/1	14/23	14/23	1	160.00
204/2	14/23	19/26	1	170.00
204/3	14/23	24/29	1	180.00
204/4	14/23	29/32	1	200.00
204/5	19/26	19/26	1	180.00
204/6	19/26	24/29	1	200.00
204/7	19/26	29/32	1	220.00
204/8	24/29	24/29	1	190.00
204/9	24/29	29/32	1	210.00
204/10	29/32	29/32	1	230.00



## 204A Adapters, Drying Tube Straight

- Drying tube is a tube-like piece of apparatus used to keeping the vessel free of moisture, of ten used in organic syntheses.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
204A/1	19/26	19/26	10	280.00



## 205

### Adapters Vaccum or Gas 90°.

- Hose connection on the side and a male joint.

Cat. No.	Cone Size	Pack of	Price / Piece
205/1	14/23	1	176.00
205/2	19/26	1	180.00
205/3	24/29	1	198.00
205/4	29/32	1	200.00
205/5	34/35	1	240.00



## 205A

### Adapters, Twin Connecting Hose

- Adapter has two hose connection 180° from one another to permit a flow of inert gas over the apparatus.

Cat. No.	Cone Size	Pack of	Price / Piece
205A/1	24/29	1	240.00



# ADAPTERS



## 573 Adapters, Distilling Cow Receiver

- With one female / socket joint and four cone with drip-tip male joints.
- Flask 100mL.

Cat. No.	Socket Size	Cone Size	Pack of	Price / Piece
573/1	14/23	14/23	1	520.00



## 576 Adapters, Drying Tube.

Cat. No.	Cone Size	Pack of	Price / Piece
576/1	14/23	10	138.00
576/2	19/26	10	150.00
576/3	24/29	10	170.00
576/4	29/32	10	190.00



## 577

### Adapters, for Pocket Thermometer

- For incorporating thermometers into jointed-ware assemblies.
- Pocket fits most still heads.

Cat. No.	Cone Size	Stem Length Approx. (mm)	Pack of	Price / Piece
577/1	14/23	45	10	118.00
577/2	19/26	45	10	130.00
577/3	24/29	45	10	150.00



## 578

### Adapters, Air Leak Tube/ Gas Inlet Tube

- These tubes are known for their accurate dimensions.
- Ensure their quality and durability.

Cat. No.	Cone Size	Pack of	Price / Piece
578/1	14/23	10	120.00
578/2	19/26	10	140.00
578/3	24/29	10	170.00
578/4	29/32	10	240.00



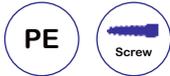
# ADAPTERS



## 584 Plastic Hose Connection

- Polyethylene.

Cat. No.	Thread GL / Type	Pack of	Price / Piece
584/1	14 / Straight	1	20.00



## 583 Screw Thread

- Polyethylene.

Cat. No.	Thread GL	Pack of	Price / Piece
583/1	14	100	20.00



# Beakers

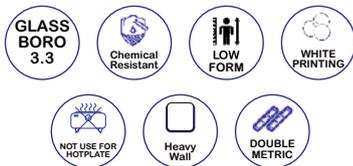




## 240 Beaker, Low form with spout

- Uniform wall thickness & Ideal for heating liquids.
- Clear metric Graduation for convenience.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Diameter (mm)	Height (mm)	Pack of	Price / Piece ₹
240/1	5	22	30	10	56.00
240/2	10	26	35	10	56.00
240/3	25	34	51	10	56.00
240/4	50	42	58	10	62.00
240/5	100	50	70	10	68.00
240/6	150	60	88	10	70.00
240/7	250	68	95	10	96.00
240/8	400	80	110	10	140.00
240/9	500	83	118	8	140.00
240/10	600	90	125	8	192.00
240/11	1000	105	157	6	300.00
240/12	2000	132	185	4	700.00
240/13	3000	152	210	1	1484.00
240/14	5000	170	270	1	2350.00
240/15	10000	220	350	1	6500.00



## 240A Beaker, Low Form, Heavy Wall, with Double Capacity Scale

- Printed in double scale.
- Uniform wall thickness with re-inforced Rim & Spout.
- Not recommended for use on hot plates.

Cat. No.	Capacity (mL)	Graduation (mL)	Range (mL)	Pack of	Price / Piece ₹
240A/1	250	25	25-200	12	170.00
240A/2	400	25	25-325	12	226.00
240A/3	600	50	50-500	6	264.00
240A/4	1000	50	50-1000	6	516.00
240A/5	2000	100	200-1800	4	890.00
240A/6	4000	250	250-3500	1	2644.00

## 240H

### Measuring Beaker with Handle

- Made From High Quality Borosilicate 3.3 Glass
- Made from Polypropylene.
- With Handle.
- Graduation for easy reading.

Cat. No.	Capacity (mL)	Graduation (mL)	Range (mL)	Pack of	Price / Piece ₹
240H/1	250	25	25-200	12	370.00
240H/2	500	50	50-400	6	550.00



## 241

### Beaker, Tablet Disintegration

- Specially designed for Tablet disintegration machine.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Diameter (mm)	Height (mm)	Pack of	Price / Piece ₹
241/1	1000	105	145	10	360.00



# BEAKERS



## 242 Beaker, Tall form with spout.

- Complies with DIN 12331 & ISO 3819.
- Clear Graduation for easy reading convenience.
- Uniform wall thickness.
- Ideal for heating liquids.

Cat. No.	Capacity (mL)	Diameter (mm)	Height (mm)	Pack of	Price / Piece ₹
242/1	50	38	70	10	120.00
242/2	100	48	80	10	136.00
242/3	150	54	95	10	144.00
242/4	250	60	120	10	152.00
242/5	400	70	130	10	196.00
242/6	500	75	142	8	220.00
242/7	600	80	150	8	246.00
242/8	1000	90	192	6	410.00



## 242A Beakers, Tall form, Without Spout.

- Complies with DIN 12331 & ISO 3819.
- Clear Graduation for easy reading convenience.
- Uniform wall thickness.
- Ideal for heating liquids.

Cat. No.	Capacity (mL)	Diameter (mm)	Height (mm)	Pack of	Price / Piece ₹
242A/1	50	38	70	10	120.00
242A/2	100	48	80	10	136.00
242A/3	150	54	95	10	144.00
242A/4	250	60	120	10	152.00
242A/5	400	70	130	10	196.00
242A/6	500	75	142	8	220.00
242A/7	600	80	150	8	246.00
242A/8	1000	90	192	6	410.00

## 583

### Beakers, Euro Design

- Made from Polypropylene.
- These jugs are clear & autoclavable.
- Graduation for easy reading.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
583/2	50	12	15
583/3	100	12	16
583/4	250	12	29
583/5	500	12	43
583/6	1000	6	72
583/7	2000	6	129
583/8	5000	2	358



## 584

### Measuring Jugs, Euro Design (PP)

- Made from Polypropylene.
- These jugs are clear, autoclavable.
- Provided with a handle for easy & convenient lifting.
- Raised graduation for easy reading.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
584/1	250	12	38
584/2	500	12	46
584/3	1000	6	72
584/4	2000	6	120
584/5	3000	6	212
584/6	5000	4	315



# BEAKERS



## 230 Beaker, Tong, SS

- Made of stainless steel.
- Fibre glass yarn for resistance direct flame.
- To hold beakers up-to 2 Liters (155mm OD).

Cat. No.	Type	Length (mm)	Material	Max. Temp.	Pack of	Price / Piece ₹
230/1	Beaker	250	Glass Fibre	500°C	4	390.00
230/2	Beaker	300	Glass Fibre	500°C	4	410.00
230/3	Beaker	250	Silicon	280°C	4	450.00
230/4	Beaker	300	Silicon	280°C	4	500.00

SS

Si Sleeved  
280°C

Glass Sleeved  
500°C



## 230A Beaker, Brush

- Brush with wire wound polyester bristles.
- An extra-large brush ideal for cleaning beakers.

Cat. No.	Type	Material	Pack of	Price / Piece
230A/1	Beaker Brush	Nylon	50	96.00

Nylon

## Tongs for Beakers

- Made of Stainless Steel
- Used to handle Hot Beakers
- Provided with Silicone Sleeves.

Cat. No.	Description	Size Inch	Quantity Per Case	Price/Piece
231/1	Beaker Tong	10	6	238.00
231/2	Beaker Tong	12	6	255.00
231/3	Flask Tong	10	6	238.00



# Bottles



# BOTTLES



## 243

### Bottles, Reagent Clear Screw Cap

- Complies with DIN/ISO 4796.
- Autoclavable PE screw cap and pouring ring.
- Printed with retrace code.
- Clear scale Graduation & large marking area.
- These complete bottles are autoclavable & can be sterilized.



Cat. No.	Capacity (mL)	Diameter (mm)	Height (mm)	Pack of	Price / Piece
243/1	10*	36	50	10	240.00
243/2	25*	36	70	10	250.00
243/3	50*	46	87	10	282.00
243/4	100	56	100	10	316.00
243/5	150	60	120	10	318.00
243/6	250	70	138	10	326.00
243/7	500	86	176	10	360.00
243/8	1000	101	225	10	592.00
243/9	2000	136	260	10	980.00
243/10	3000	158	295	1	4395.00
243/11	5000	181	330	1	5428.00
243/12	10000	227	410	1	9436.00
243/13	20000	288	505	1	16796.00

\*without pouring rings



## 243MP

### Bottle, HPLC Mobile Phase, USP, PP Screw Cap

- Complies with USP Type/Boro 3.3 Glass
- Conical Bottom delivers all solvent without tilting
- With Autoclavable PP Screw cap (GL-45)



Cat. No.	Capacity (mL)	Pack of	Price / Piece
243MP/1	500	1	1600.00
243MP/2	1000	1	2050.00
243MP/3	2000	1	3300.00
243MP/4	3000	1	6900.00
243MP/5	5000	1	10000.00

## 244

### Bottles, Reagent Amber Screw Cap

- Complies with DIN/ISO 4796.
- Autoclavable PE screw cap and pouring ring.
- Printed with a retrace code.
- Clear scale Graduation & large marking area..
- These complete bottles are autoclavable & can be sterilize.
- These bottles are highly mechanically durable and chemical resistance.
- These bottles are ideal for long term storage of light sensitive media & substance.

Cat. No.	Capacity (mL)	Diameter (mm)	Height (mm)	Pack of	Price / Piece
244/1	10*	36	50	10	380.00
244/2	25*	36	70	10	360.00
244/3	50*	46	87	10	400.00
244/4	100	56	100	10	476.00
244/5	150	60	120	10	516.00
244/6	250	70	138	10	520.00
244/7	500	86	176	10	612.00
244/8	1000	101	225	10	818.00
244/9	2000	136	260	10	1546.00
244/10	3000	158	295	1	8172.00
244/11	5000	181	330	1	8490.00
244/12	10000	227	410	1	12110.00
244/13	20000	288	505	1	18310.00

\*without pouring rings



## 254

### Bottles, Reagent Narrow Mouth, Clear Glass

- Complies with DIN/ISO 4796.
- These bottles comes with ground joint & Flat Head Stopper.
- Printed in matt finish white colour enamel.

Cat. No.	Capacity (mL)	N/S	Pack of	Price / Piece
254/1	30	14/23	10	190.00
254/2	50	14/23	10	240.00
254/3	100	14/23	10	316.00
254/4	125	19/26	10	316.00
254/5	250	19/26	10	356.00
254/6	500	24/29	10	438.00
254/7	1000	29/32	10	626.00
254/8	2000	34/35	10	1180.00



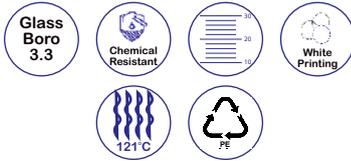
# BOTTLES



## 255 Bottles, Reagent Narrow Mouth, Clear Glass

- Complies with DIN/ISO 4796.
- These bottles comes with Flat Head Stopper.
- Printed in matt finish white colour enamel.

Cat. No.	Capacity (mL)	N/S	Pack of	Price / Piece
255/1	30	14/23	10	324.00
255/2	50	14/23	10	434.00
255/3	100	14/23	10	468.00
255/4	125	19/26	10	470.00
255/5	250	19/26	10	582.00
255/6	500	24/29	10	716.00
255/7	1000	29/32	10	1090.00
255/8	2000	34/35	10	1860.00



## 254B Bottles, Tooled Neck, Plain

- Mechanically strong and chemical resistant.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
254B/1	250	10	328.00
254B/2	500	10	400.00
254B/3	1000	10	596.00
254B/4	2000	10	1488.00



## 255A

### Bottles, Tooled Neck, Amber

- Recommended use with light-sensitive media and for long-term storage of substances.
- Mechanically strong and chemical resistant.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
255A/1	250	10	540.00
255A/2	500	10	690.00
255A/3	1000	10	1010.00
255A/4	2000	10	1740.00



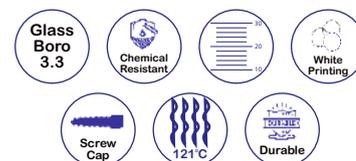
## 258

### Bottle, Aspirator, with GL 45 Cap with tubulation

- Made From Heat Resistant Boro 3.3 Glass.
- These bottles comes with autoclavable PP Screw caps & pouring rings.

Cat. No.	Capacity (mL)	Dia × Height Approx. (mm)	Thread	Pack of	Price / Piece
258/1	250	70 × 138	GL45	1	450.00
258/2	500	86 × 176	GL45	1	480.00
258/3	1000	101 × 225	GL45	1	800.00
258/4	2000	136 × 260	GL45	1	1310.00
258/5	5000	181 × 330	GL45	1	5900.00
258/6	10000	235 × 410	GL45	1	10460.00
258/7	20000	296 × 505	GL45	1	18500.00

\*Height indicated is of Bottle only.



# BOTTLES



## 257B

### Bottle, Aspirator, with GL 45 Cap and Interchangeable Stopcock

- Made From Heat Resistant Boro 3.3 Glass.
- Low Expansion.

Cat. No.	Capacity (mL)	Dia × Height Approx. (mm)	Thread	Socket Size	Pack of	Price / Piece
257B/1	1000	101 × 225	GL 45	24 / 29	1	1980.00
257B/2	2000	136 × 260	GL 45	29 / 32	1	2376.00
257B/3	5000	181 × 330	GL 45	29 / 32	1	8516.00
257B/4	10000	227 × 410	GL 45	29 / 32	1	12410.00
257B/5	20000	288 × 505	GL 45	29 / 32	1	17860.00

\*Height indicated is of Bottle only



## 232

### Bottles, Screw Cap

- Made from Polyethylene.
- Autoclavable upto 140° C.
- With Protected Seal.

Cat. No.	Colour	Thread	Pack of	Price / Piece
232/1	Blue	GL 45	10	50.00
232/2	Orange	GL 45	10	60.00
232/3	Yellow	GL 45	10	60.00
232/4	Green	GL 45	10	60.00
232/5	Grey	GL 45	10	60.00
232/6	White	GL 45	10	60.00
232/7	Black	GL 45	10	60.00
232/8	Red	GL 45	10	60.00



## 232A Pouring Ring, Blue Colour

- Made from Polyethylene.
- Autoclavable upto 140° C.

Cat. No.	Colour	Thread	Pack of	Price / Piece
232A/1	Blue	GL45	10	18.00



## 233 Bottles, Dropping

- Made From chemical Resistant glass.
- These bottles comes with interchangeable ground joint with dropper and rubber teat.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
233/1	30	10	260.00
233/2	60	10	304.00
233/3	120	10	390.00
233/4	250	10	510.00



# BOTTLES



## 233A Bottles, Dropping

- Made From chemical Resistant amber glass.
- These bottles comes with interchangeable ground joint with dropper and rubber teat.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
233A/1	30	10	400.00
233A/2	60	10	530.00
233A/3	120	10	610.00
233A/4	250	10	780.00



## 236 Bottle, Gas Washing

- Complies with DIN 12463.
- Complete Interchangeable joints

Cat. No.	Capacity (mL)	Neck Size	Pack of	Price / Piece
236/1	100	29/32	2	580.00
236/2	125	29/32	2	630.00
236/3	250	29/32	2	790.00
236/4	500	29/32	2	910.00



## 236A Head for Gas Bottles

- Made from ISO/DIN 3585, Class A, TYPE 1, Boro 3.3 glass.
- Complies DIN 12596 standard.

Cat. No.	Capacity (mL)	Neck Size	Pack of	Price / Piece
236A/1	100	29/32	1	300.00
236A/2	125	29/32	1	300.00
236A/3	250	29/32	1	300.00
236A/4	500	29/32	1	300.00

\*NON DIN



## 236B Sintered wash Bottles Head

- Complies DIN 12596.

Cat. No.	Capacity (mL)	Neck Size	Pack of	Price / Piece
236B/1	100	29/32	1	490.00
236B/2*	125	29/32	1	526.00
236B/3	250	29/32	1	526.00
236B/4	500	29/32	1	526.00

\* Non DIN



# BOTTLES



## 245 Bottles, Weighing

- Complies ASTM-438, TYPE-1, Boro 3.3 glass.
- These bottles are chemically resistant & mechanically strong.

Cat. No.	OD × H (mm)	Type	Capacity (mL)	Pack of	Price / Piece
245/1	40x30	Squat Form	20	10	260.00
245/2	50x25	Squat Form	15	10	336.00
245/3	50x35	Squat Form	25	10	356.00
245/4	50x50	Squat Form	50	10	374.00
245/5	60x40	Squat Form	40	10	478.00
245/6	20x40	Tall Form	5	10	140.00
245/7	25x60	Tall Form	15	10	166.00
245/8	30x65	Tall Form	25	10	202.00
245/9	40x90	Tall Form	60	10	310.00



## 249 Pycnometers to Gay - Lussac 27°C, Calibrated Class-A

- Complies with DIN/ISO 3507.
- With Individual Work Certificate.
- With Teflon stopper.

Cat. No.	Capacity (mL)	Capacity Tolerance ±ml	Size of Inter-Changeable Stopper	Pack of	Price / Piece
249/2	10	0.3	10/15	2	410.00
249/4	25	0.8	10/15	2	496.00
249/5	50	1.0	10/15	2	510.00
249/6	100	3.0	10/15	2	610.00

## 250

### Pycnometers to Gay - Lussac, Calibrated Class-A



- Complies with NABL.
- With Individual Work Certificate.
- With Teflon stopper.

Cat. No.	Capacity (mL)	Capacity Tolerance ±ml	Size of Inter-Changeable Stopper	Pack of	Price / Piece
249/2	10	0.3	10/15	2	650.00
249/4	25	0.8	10/15	2	750.00
249/5	50	1.0	10/15	2	750.00
249/6	100	3.0	10/15	2	800.00



## 251

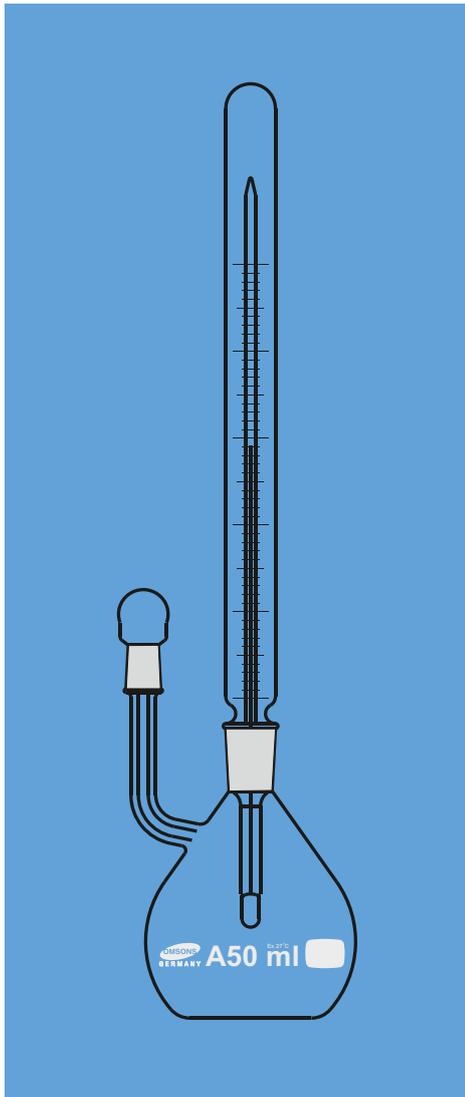
### Pycnometers to Gay - Lussac, Calibrated, with Teflon stopper. Class-B

- Manufactured from ASTM 438 TYPE 1 BORO.
- Boro 3.3 GLASS, DIN ISO 3507, without Certificate.

Cat. No.	Capacity (mL)	Capacity Tolerance ±ml	Size of Inter-Changeable Stopper	Pack of	Price / Piece
249/2	10	1.0	10/15	2	230.00
249/4	25	2.0	10/15	2	240.00
249/5	50	3.0	10/15	2	260.00
249/6	100	5.0	10/15	2	310.00



# BOTTLES



## 252 Specific Gravity Bottles, Class 'A', (Pyknometer).

- with Ground in Thermometer range 0 to 50°C
- with works Certificate.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
252/1	25	1	780.00
252/2	50	1	798.00



## 253 Specific Gravity Bottles, Class 'A' with NABL (Pyknometer).

- with Ground in Thermometer range 0 to 50°C.
- with works Certificate.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
253/1	25	1	980.00
253/2	50	1	998.00



## 256 BOD Bottle

- Complies ASTM-438, TYPE-1, Boro 3.3 glass.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
256/1	60	6	320.00
256/2	125	6	390.00
256/3	300	6	510.00



## 234B Carboy

- Made of Polypropylene autoclavable.

Cat. No.	Capacity (Ltr.)	Pack of	Price / Piece
234B/1	10	1	1720.00
234B/2	20	1	2514.00



## 586 Bottles, Brush

- These bottles are ideal for growing various type of cultures.
- These bottles withstand multiple autoclave & sterilization.
- The neck of these bottles is tool finished for greater strength.

Cat. No.	Type	Material	Pack of	Price / Piece
586/1	Bottles Brush	Nylon	50	60.00



# BOTTLES



## 257P Aspirator Bottles

- Made of Polypropylene and are therefore much lighter than glass.
- These are autoclavable, durable & dependable.
- The leakproof spigot screwed to the bottle body requires only a half turn to open or close.
- These bottles are used for storing or dispensing distilled water & other laboratory solutions
- Threads should be totally disengage before autoclaving.

Cat. No.	Capacity (Ltr.)	Pack of	Price / Piece
257P/1	2	1	1310.00
257P/2	6	1	1638.00
257P/3	10	1	3057.00
257P/4	20	1	4368.00



## 234P Dropping Bottles

- Made from Low Density Polyethylene.
- Dropping Bottles dispense small uniform drops of liquids when pressed lightly.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
234P/1	60	12	35.00
234P/2	125	12	44.00



## 234AP Carboy With Stopcock

- Made of Polypropylene autoclavable.

Cat. No.	Capacity (Ltr.)	Pack of	Price / Piece
234AP/1	10	1	3360.00
234AP/2	20	1	4800.00

## 243WP

### Reagent Bottles (Wide Mouth)

- Made from Polypropylene.
- The PP bottles are rigid, translucent and have excellent contact clarity.
- These bottles can be autoclaved filled as well as empty.
- On the other hand, the Polypropylene bottle too have excellent strength and are unbreakable.
- The Polypropylene Cap has a built in seal ring to make these bottles leakproof.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
243WP/1	60	12	29.00
243WP/2	125	12	36.00
243WP/3	250	12	70.00
243WP/4	500	12	90.00
243WP/5	1000	6	160.00



## 244WP

### Reagent Bottles, Amber (Wide Mouth)

- Made from HDPE Amber.
- The HDPE bottles are rigid, translucent and have excellent contact clarity.
- These bottles can be autoclaved filled as well as empty.
- On the other hand, the HDPE bottle too have excellent strength and are unbreakable.
- The HDPE Cap has a built in seal ring to make these bottles leakproof.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
244WP/1	4	12	12.00
244WP/2	8	12	13.00
244WP/3	15	12	17.00
244WP/4	30	12	26.00
244WP/5	60	12	31.00
244WP/6	125	12	40.00
244WP/7	250	12	60.00
244WP/8	500	12	82.00
244WP/9	1000	6	172.00



# BOTTLES



## 243P

### Reagent Bottles (Narrow Mouth).

- Made from Polypropylene.
- The PP bottles are rigid, translucent and have excellent contact clarity.
- These bottles can be autoclaved filled as well as empty.
- On the other hand, the Polypropylene bottle too have excellent strength and are unbreakable.
- The Polypropylene Cap has a built in seal ring to make these bottles leakproof.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
243P/1	4	12	11.00
243P/2	8	12	13.00
243P/3	15	12	16.00
243P/4	30	12	23.00
243P/5	60	12	29.00
243P/6	125	12	40.00
243P/7	250	12	66.00
243P/8	500	12	82.00
243P/9	1000	6	158.00



## 244P

### Reagent Bottles, Amber (Narrow Mouth).

- Made from HDPE.
- The PP bottles are rigid, translucent and have excellent contact clarity.
- These bottles can be autoclaved filled as well as empty.
- On the other hand, the HDPE bottle too have excellent strength and are unbreakable.
- The HDPE Cap has a built in seal ring to make these bottles leakproof.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
244P/1	4	12	12.00
244P/2	8	12	14.00
244P/3	15	12	18.00
244P/4	30	12	26.00
244P/5	60	12	28.00
244P/6	125	12	42.00
244P/7	250	12	62.00
244P/8	500	12	80.00
244P/9	1000	6	168.00

## 235P

### Narrow Mouth Bottle

- Made from Polypropylene autoclavable.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
235P/1	4000	1	864.00



## 235WP

### Wide Mouth Square Bottle

- Made from Polypropylene autoclavable.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
235WP/1	4000	1	864.00



## 236AP

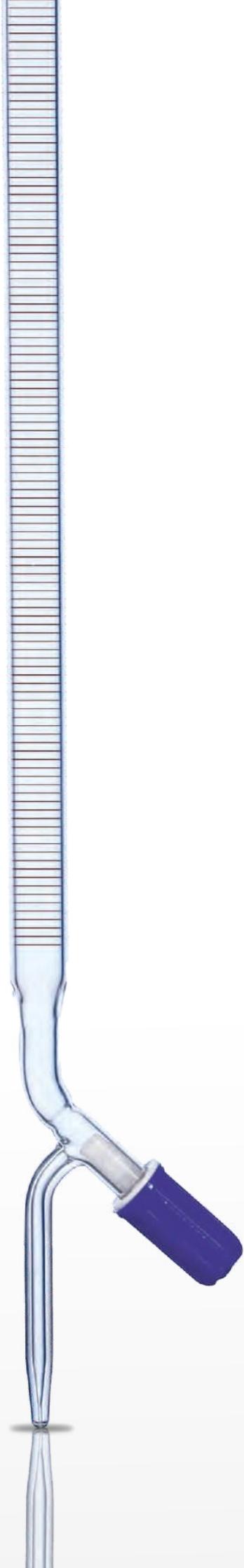
### Wash Bottles (New Type)

- Made from Low Density Polyethylene and are therefore translucent & unbreakable.
- The distinguishing feature that these bottles contain is the built in delivery tube making it a one piece Wash Bottle.
- These Bottles are graduated on the outer surface to give an approximate idea about the volume of solution filled or dispensed.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
236AP/1	250	12	110.00
236AP/2	500	12	138.00
236AP/3	125	12	86.00



# Burette



## 1 Burettes, Straight Bore Glass Key with Screw Thread

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- With Individual **Class 'A'** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
1/1	5	0.02	0.01	1	980.00
1/2	10	0.05	0.03	1	800.00
1/3	10	0.02	0.02	1	1050.00
1/4	25	0.1	0.05	1	638.00
1/5	25	0.05	0.03	1	840.00
1/6	50	0.1	0.05	1	600.00
1/7	100	0.2	0.1	1	800.00

## 2 Burettes, Straight Bore Glass Key with Screw Thread

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- Class 'A' with NABL Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.



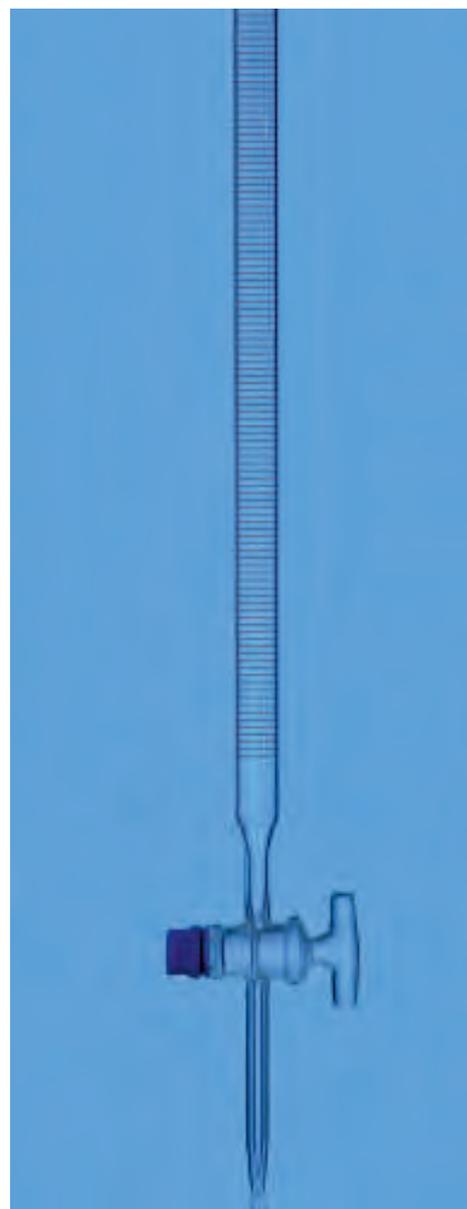
Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
2/1	5	0.02	0.01	1	1600.00
2/2	10	0.05	0.03	1	1400.00
2/3	10	0.02	0.02	1	1540.00
2/4	25	0.1	0.05	1	1260.00
2/5	25	0.05	0.03	1	1600.00
2/6	50	0.1	0.05	1	1370.00
2/7	100	0.2	0.1	1	1500.00



## 3 Burettes, Straight Bore Glass Key with Screw Thread

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- Accuracy as per **Class 'B'**.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price/ Piece
3/1	5	0.02	0.02	1	550.00
3/2	10	0.05	0.05	1	400.00
3/3	25	0.1	0.1	1	350.00
3/4	50	0.1	0.1	1	360.00
3/5	100	0.2	0.2	1	430.00





## 4

### Burettes, Boroflow Key with PTFE NEEDLE VALVE

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- With Individual **Class 'A'** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
4/1	5	0.02	0.01	1	950.00
4/2	10	0.05	0.03	1	780.00
4/3	10	0.02	0.02	1	1030.00
4/4	25	0.1	0.05	1	620.00
4/5	25	0.05	0.03	1	820.00
4/6	50	0.1	0.05	1	610.00
4/7	100	0.2	0.1	1	620.00

## 5

### Burettes, Boroflow Key with PTFE NEEDLE VALVE

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- Class 'A' with NABL Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
5/1	5	0.02	0.01	1	1600.00
5/2	10	0.05	0.03	1	1400.00
5/3	10	0.02	0.02	1	1540.00
5/4	25	0.1	0.05	1	1260.00
5/5	25	0.05	0.03	1	1600.00
5/6	50	0.1	0.05	1	1370.00
5/7	100	0.2	0.1	1	1500.00



## 6

### Burettes, Boroflow Key with PTFE NEEDLE VALVE

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- Accuracy as per **Class 'B'**.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
6/1	5	0.02	0.02	1	550.00
6/2	10	0.05	0.05	1	350.00
6/3	25	0.1	0.1	1	310.00
6/4	50	0.1	0.1	1	330.00
6/5	100	0.2	0.2	1	400.00

7

**Burettes, Straight Bore PTFE Key**

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- With Individual **Class 'A'** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
7/1	5	0.02	0.01	1	1220.00
7/2	10	0.05	0.03	1	930.00
7/3	10	0.02	0.02	1	1200.00
7/4	25	0.1	0.05	1	820.00
7/5	25	0.05	0.03	1	900.00
7/6	50	0.1	0.05	1	840.00
7/7	100	0.2	0.1	1	880.00

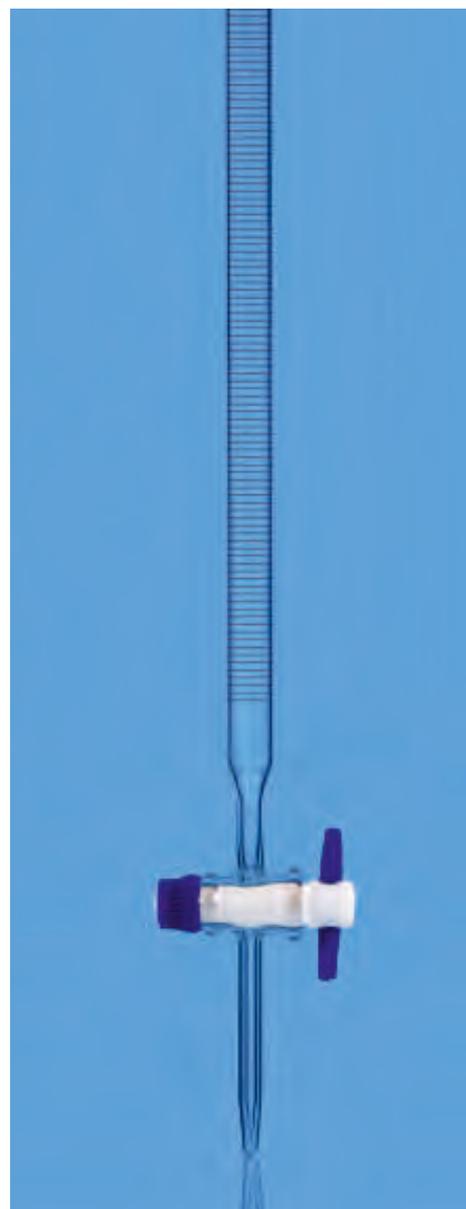
8

**Burettes, Straight Bore Glass Key with Screw Thread**

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- Class 'A' with NABL Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
8/1	5	0.02	0.01	1	1540.00
8/2	10	0.05	0.03	1	1760.00
8/3	10	0.02	0.02	1	1760.00
8/4	25	0.1	0.05	1	1540.00
8/5	25	0.05	0.03	1	1760.00
8/6	50	0.1	0.05	1	1650.00
8/7	100	0.2	0.1	1	1750.00



9

**Burettes, Straight Bore Glass Key with Screw Thread**

- Compliance with DIN ISO 385 and USP standard - IS 1997:2008
- Accuracy as per **Class 'B'**.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
9/1	5	0.02	0.02	1	600.00
9/2	10	0.05	0.05	1	570.00
9/3	25	0.1	0.1	1	480.00
9/4	50	0.1	0.1	1	510.00
9/5	100	0.2	0.2	1	660.00





## 10

### Burettes, Rotaflow Key with PTFE NEEDLE VALVE, Amber

- Compliance with ISO 385, IS 1997:2008
- With Individual **Class 'A'** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance $\pm$ (mL)	Pack of	Price / Piece
10/1	25	0.1	0.05	1	1800.00
10/2	50	0.1	0.05	1	1800.00

## 11

### Burettes, Rotaflow Key with PTFE NEEDLE VALVE, Amber

- Compliance with ISO 385, IS 1997:2008
- **Class 'A'** with **NABL** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance $\pm$ (mL)	Pack of	Price / Piece
11/1	25	0.1	0.05	1	2300.00
11/2	50	0.1	0.05	1	2300.00



## 13

### Burettes, Automatic Straight Bore Glass Key with Screw Thread

- Compliance with ISO 385, IS 1997:2008
- With Individual **Class 'A'** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
13/1	10	0.05	0.03	1	5200.00
13/2	25	0.1	0.05	1	5400.00
13/3	50	0.1	0.05	1	6000.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.

Accessories like rubber below order separately.

## 14

### Burettes, Automatic Straight Bore Glass Key with Screw Thread

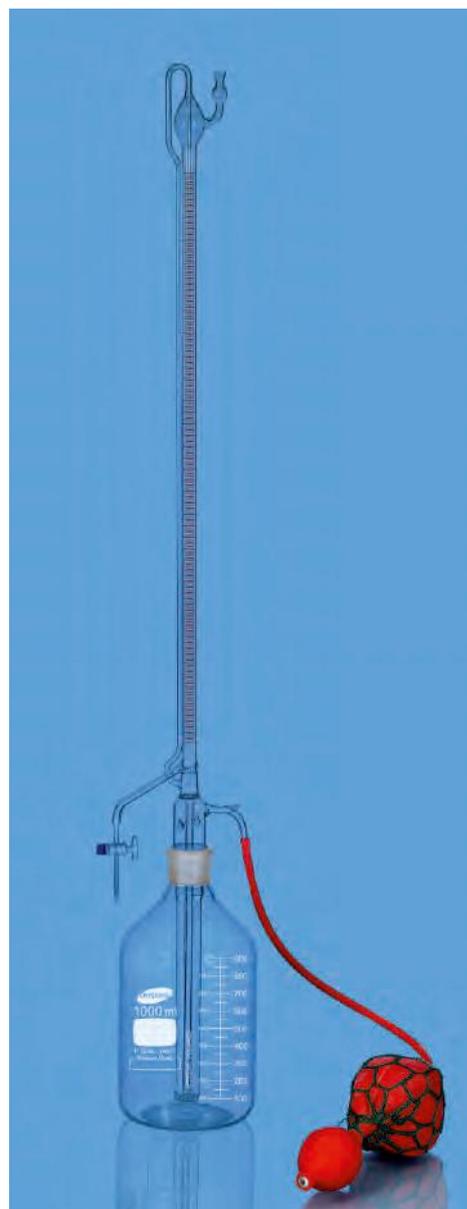
- Compliance with ISO 385, IS 1997:2008
- **Class 'A'** with **NABL** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price ®
14/1	10	0.05	0.03	1	6400.00
14/2	25	0.1	0.05	1	7400.00
14/3	50	0.1	0.05	1	7600.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.

Accessories like rubber below order separately.



## 13B

### Burettes, Automatic Straight Bore Glass Key with Screw Thread

- Compliance with ISO 385, IS 1997:2008
- With Individual **Class 'B'**
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
13B/1	10	0.05	0.05	1	4200.00
13B/2	25	0.1	0.1	1	4400.00
13B/3	50	0.1	0.1	1	4600.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.

Accessories like rubber below order separately.



## 15

### Burettes, Automatic, Boroflow Key with PTFE Needle Valve

- Compliance with ISO 385, IS 1997:2008
- With Individual **Class 'A'** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
15/1	10	0.05	0.03	1	5050.00
15/2	25	0.1	0.05	1	5300.00
15/3	50	0.1	0.05	1	5500.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.

Accessories like rubber below order separately.

## 16

### Burettes, Automatic, Boroflow Key with PTFE Needle Valve

- Compliance with ISO 385, IS 1997:2008
- **Class 'A'** with **NABL** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
16/1	10	0.05	0.03	1	6400.00
16/2	25	0.1	0.05	1	7400.00
16/3	50	0.1	0.05	1	7600.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.

Accessories like rubber below order separately.



## 15B

### Burettes, Automatic, Boroflow Key with PTFE Needle Valve

- Compliance with ISO 385, IS 1997:2008
- With Individual **Class 'B'**
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
15B/1	10	0.05	0.05	1	4200.00
15B/2	25	0.1	0.1	1	4400.00
15B/3	50	0.1	0.1	1	4600.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.

Accessories like rubber below order separately.

## 17

### Burettes, Automatic, PTFE Stopcock

- Compliance with ISO 385, IS 1997:2008
- With Individual **Class 'A'** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
17/1	10	0.05	0.03	1	5500.00
17/2	25	0.1	0.05	1	6400.00
17/3	50	0.1	0.05	1	6800.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.  
Accessories like rubber below order separately.

## 18

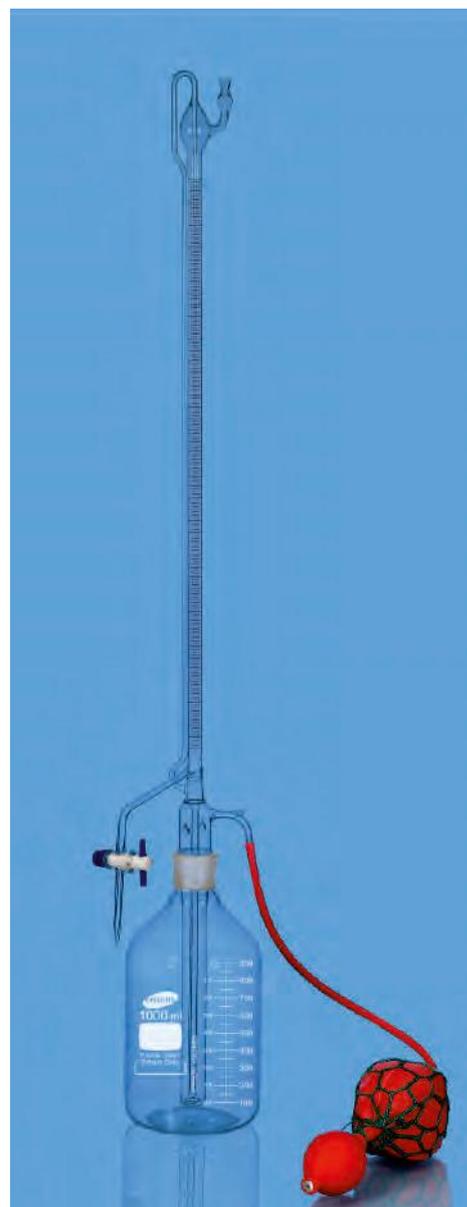
### Burettes, Automatic, PTFE Stopcock

- Compliance with ISO 385, IS 1997:2008
- **Class 'A'** with **NABL** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
18/1	10	0.05	0.03	1	6600.00
18/2	25	0.1	0.05	1	7600.00
18/3	50	0.1	0.05	1	7800.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.  
Accessories like rubber below order separately.



## 17B

### Burettes, Automatic, PTFE Stopcock

- Compliance with ISO 385, IS 1997:2008
- With Individual **Class 'B'**
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
17B/1	10	0.05	0.05	1	4400.00
17B/2	25	0.1	0.1	1	4800.00
17B/3	50	0.1	0.1	1	5000.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.  
Accessories like rubber below order separately.



## 24

### Burettes, Automatic, PTFE Stopcock, Amber

- Compliance with DIN ISO 385 and standard.
- With Individual **Class 'A'** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance $\pm$ (mL)	Pack of	Price / Piece
24/2	25	0.1	0.05	1	7200.00
24/3	50	0.1	0.05	1	8400.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.  
Accessories like rubber below order separately.

## 25

### Burettes, Automatic, PTFE Stopcock, Amber

- Compliance with DIN ISO 385 and standard.
- **Class 'A'** with **NABL** Certificate.
- Printed in white colour.
- Highly resistant to chemical attack.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance $\pm$ (mL)	Pack of	Price / Piece
25/2	25	0.1	0.05	1	8400.00
25/3	50	0.1	0.05	1	9200.00

Reservoir Capacity for 10ml Burettes is 500ml and for 25ml & 50ml Burettes is 2000ml.  
Accessories like rubber below order separately.

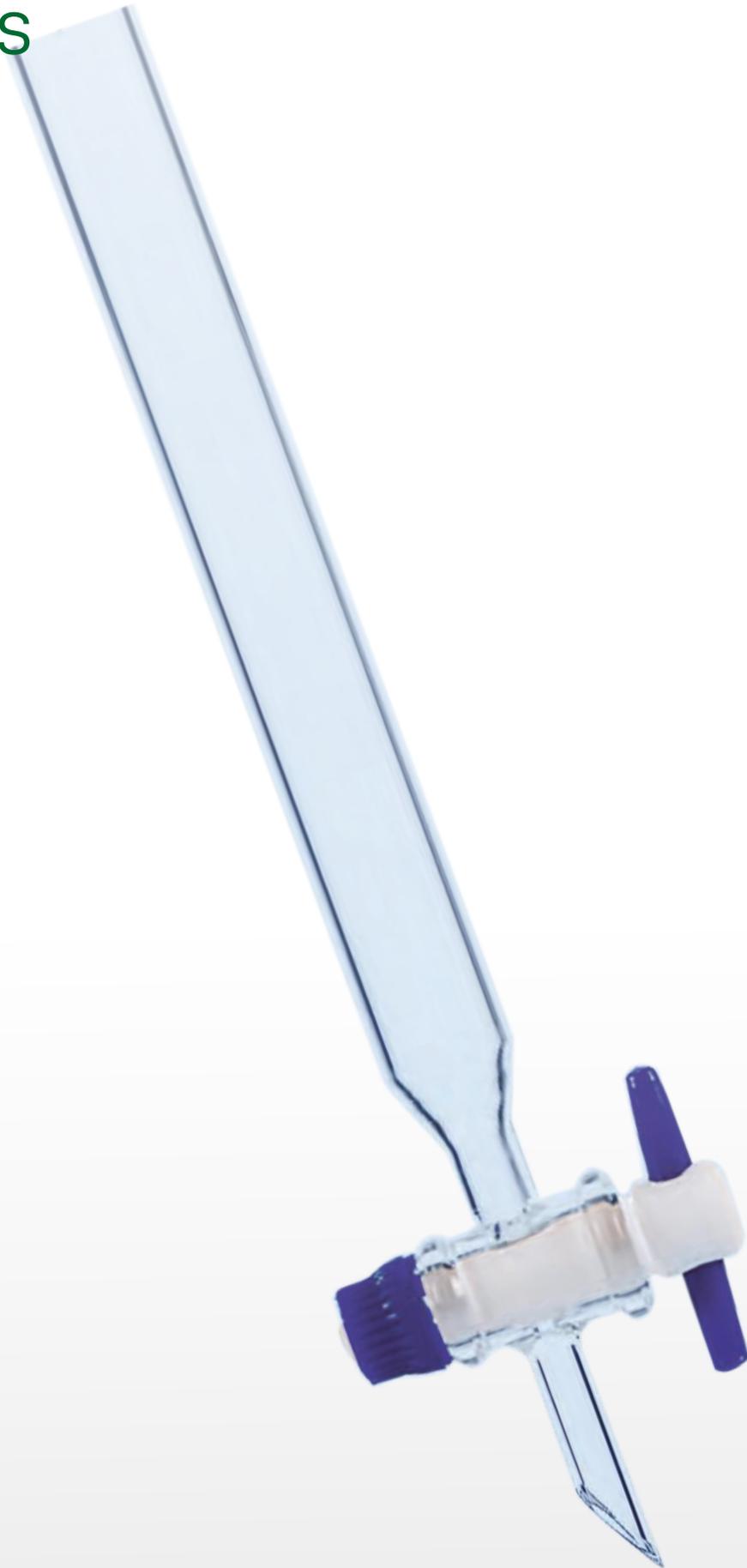
**571****Brush, Burette**

• Material - Nylon

Cat. No.	Type	Pack of	Price / Piece
571/1	Burette Brush	10	84.00



# Columns



## 192

### Chromatography Columns

- with Integral Sintered Disc, without Stopcock.
- Manufactured from Borosilicate Glass.

Cat. No.	Effective Length(cm)	Disc Dia. (mm)	Pack of	Price / Piece
192/1	15	10	1	250.00
192/2	20	15	1	270.00
192/3	30	15	1	280.00
192/4	40	20	1	331.00
192/5	40	30	1	500.00
192/6	50	30	1	622.00
192/7	50	40	1	810.00
192/8	60	40	1	850.00
192/9	100	40	1	1110.00



## 193

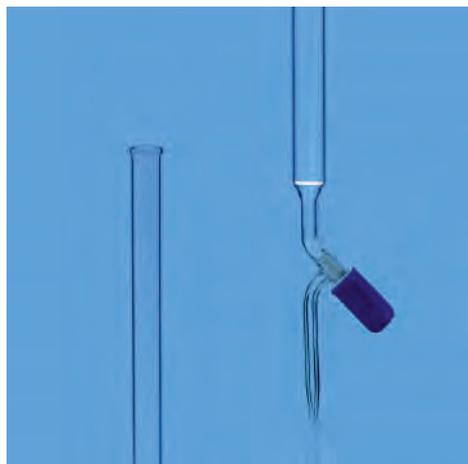
### Chromatography Columns

- with Integral Sintered Disc and Glass key Stopcock.
- Manufactured from Borosilicate Glass.

Cat. No.	Effective Length(cm)	Disc Dia. (mm)	Pack of	Price / Piece
193/1	15	10	1	422.00
193/2	20	15	1	430.00
193/3	30	15	1	440.00
193/4	40	20	1	494.00
193/5	40	30	1	610.00
193/6	50	30	1	630.00
193/7	50	40	1	1020.00
193/8	60	40	1	1050.00
193/9	100	40	1	1410.00



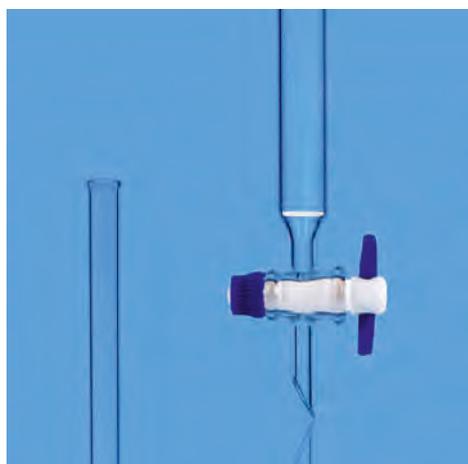
# COLUMNS



## 194 Chromatography Columns

- with integral sintered disc and screw type PTFE Needle Valve stopcock.
- Manufactured from Borosilicate Glass.

Cat. No.	Effective Length(cm)	Disc Dia. (mm)	Pack of	Price / Piece
194/1	15	10	1	410.00
194/2	20	15	1	410.00
194/3	30	15	1	430.00
194/4	40	20	1	480.00
194/5	40	30	1	620.00
194/6	50	30	1	700.00
194/7	50	40	1	1030.00
194/8	60	40	1	1050.00
194/9	100	40	1	1460.00



## 195 Chromatography Columns

- with integral sintered disc and PTFE key stopcock.
- Manufactured from Borosilicate Glass.

Cat. No.	Effective Length(cm)	Disc Dia. (mm)	Pack of	Price / Piece
195/1	15	10	1	602.00
195/2	30	10	1	625.00
195/3	30	20	1	706.00
195/4	45	20	1	747.00
195/5	45	30	1	972.00
195/6	60	30	1	1013.00

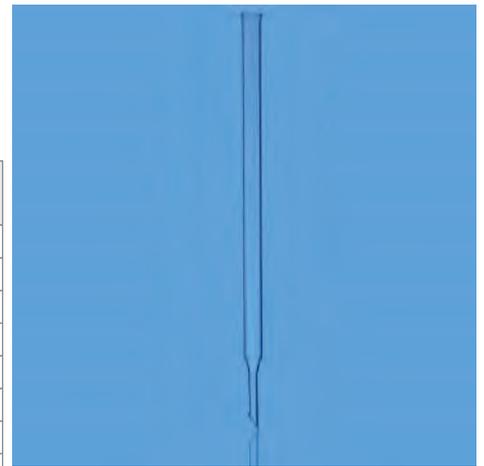


## 196

### Chromatography Absorption Columns, Plain

- without PTFE key stopcock.
- Manufactured from Borosilicate Glass.

Cat. No.	Effective Length(mm)	Outer Dia. (mm)	Pack of	Price / Piece
196/1	20	10	1	66.00
196/2	30	15	1	92.00
196/3	50	20	1	200.00
196/4	60	25	1	230.00
196/5	60	40	1	510.00
196/6	100	50	1	1180.00
196/7	115	100	1	4469.00
196/8	180	100	1	8880.00



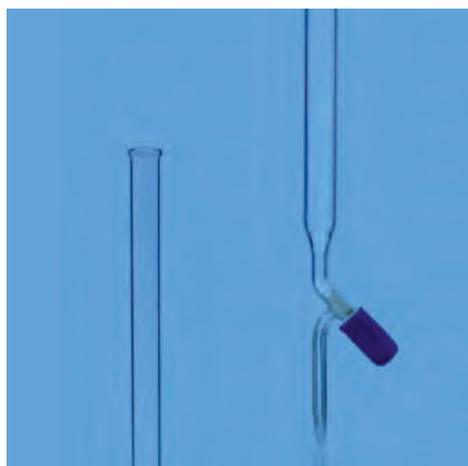
## 197

### Chromatography Columns, Plain with Stopcock.

- with Glass key Stopcock.
- Manufactured from Borosilicate Glass.

Cat. No.	Effective Length(mm)	Outer Dia. (mm)	Pack of	Price / Piece
197/1	20	10	1	230.00
197/2	30	15	1	248.00
197/3	50	20	1	360.00
197/4	60	25	1	426.00
197/5	60	40	1	530.00
197/6	100	50	1	1536.00
197/7	115	100	1	5800.00
197/8	180	100	1	9010.00

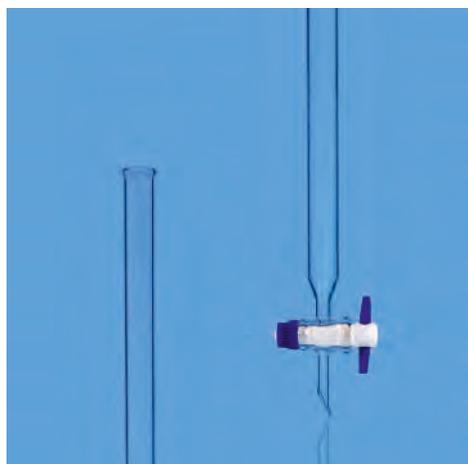




## 198 Chromatography Columns, Plain

- with screw type PTFE Needle Valve stopcock.
- Manufactured from Borosilicate Glass.

Cat. No.	Effective Length(cm)	Outer Dia. (mm)	Pack of	Price / Piece
198/1	20	10	1	186.00
198/2	30	15	1	236.00
198/3	50	20	1	270.00
198/4	60	25	1	296.00
198/5	60	40	1	698.00
198/6	100	50	1	2150.00
198/7	100	60	1	3050.00



## 199 Chromatography Columns, Plain

- with PTFE key stopcock.
- Manufactured from Borosilicate Glass.

Cat. No.	Effective Length(mm)	Outer Dia. (mm)	Pack of	Price / Piece
199/1	15	10	1	465.00
199/2	30	10	1	471.00
199/3	30	20	1	496.00
199/4	45	20	1	519.00
199/5	45	30	1	637.00
199/6	60	30	1	693.00
199/7	100	40	1	1593.00
199/8	115	100	1	7880.00

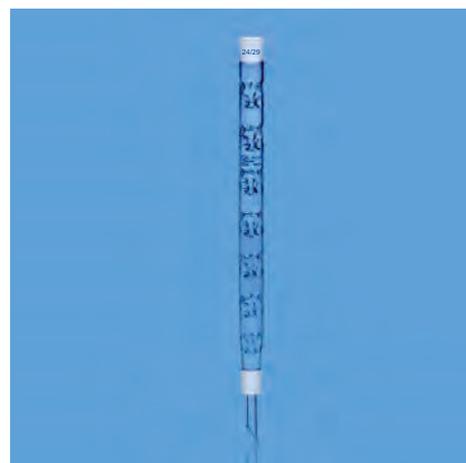


## 200

### Fractionating Columns, Vigrex.

- without Stopcock.
- Manufactured from Borosilicate Glass 3.3

Cat. No.	Effective Length (mm)	Socket	Cone	Pack of	Price / Piece
200/1	360	24/29	24/29	1	510.00
200/2	600	24/29	24/29	1	660.00
200/3	360	29/32	29/32	1	580.00
200/4	750	34/35	34/35	1	980.00



## 201

### Chromatography Columns

- with Integral Sintered Disc, Glasskey Stopcock, Socket and Cone.
- Manufactured from Borosilicate Glass 3.3

Cat. No.	Inner Dia. (mm)	Effective Length (mm)	Socket	Cone	Pack of	Price / Piece
201/1	10	100	14/23	19/26	1	553.00
201/2	10	200	14/23	19/26	1	565.00
201/3	10	300	14/23	19/26	1	579.00
201/4	20	300	24/29	19/26	1	656.00
201/5	20	400	24/29	19/26	1	718.00
201/6	20	400	24/29	24/29	1	730.00





## 202 Chromatography Columns

- with integral sintered disc, socket and cone.
- Manufactured from Borosilicate Glass.

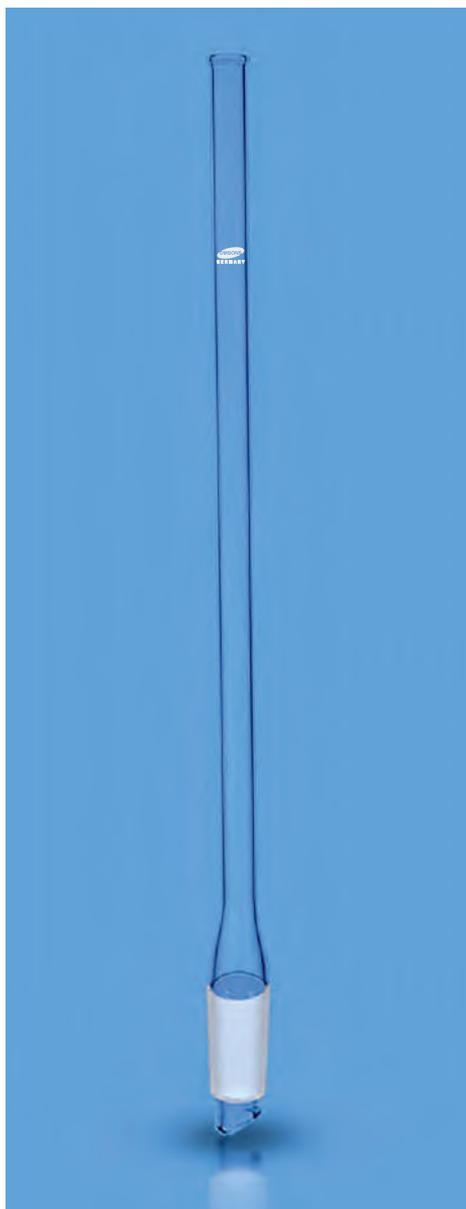
Cat. No.	Inner Dia. (mm)	Effective Length (mm)	Socket	Cone	Pack of	Price / Piece
202/1	20	200	24/29	19/26	1	500.00
202/2	20	300	24/29	19/26	1	510.00
202/3	20	400	24/29	19/26	1	540.00



# Condensers



# CONDENSER



## 101A Condensers, Air

- Manufactured from ASTM E-438, Type-1, Class, A Boro 3.3 Glass.
- These are used for the condensation of material with boiling point above 150°C.

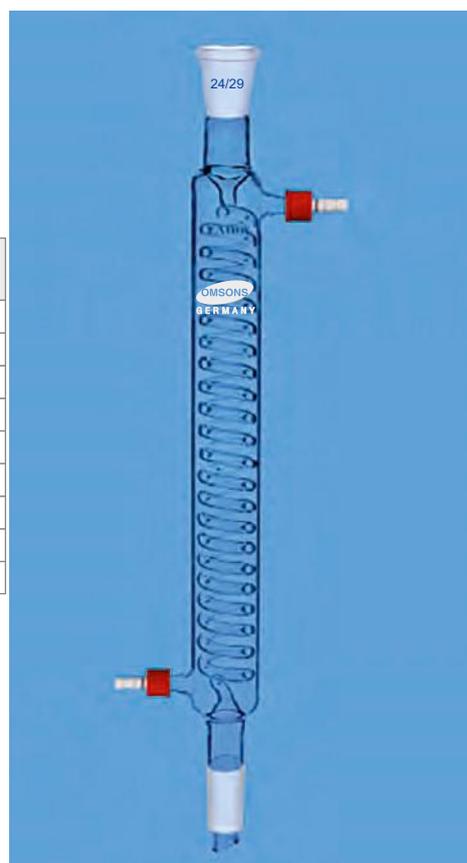
Cat. No.	Ground Joint		Effective Length (mm)	Pack of	Price / Piece
	Socket	Cone			
101A/1	14/23	14/23	200	1	210.00
101A/2	19/26	19/26	200	1	240.00
101A/3	24/29	24/29	250	1	335.00
101A/4	19/26	19/26	400	1	365.00
101A/5	24/29	24/29	500	1	370.00
101A/6	34/35	34/35	500	1	890.00
101A/7	19/26	19/26	600	1	418.00
101A/8	24/29	24/29	750	1	610.00
101A/9	-	19/26	750	1	250.00
101A/10	-	24/29	750	1	270.00
101A/11	-	19/26	1000	1	300.00
101A/12	-	24/29	1000	1	330.00



## 101 Condenser Coil

- Complies with ASTM E-438, Type-1, Class A, Boro 3.3 Glass.
- Comes with plastic screw thread connector.
- Highly efficient with a large cooling surface.
- Suitable for Distillation & Reflux applications.

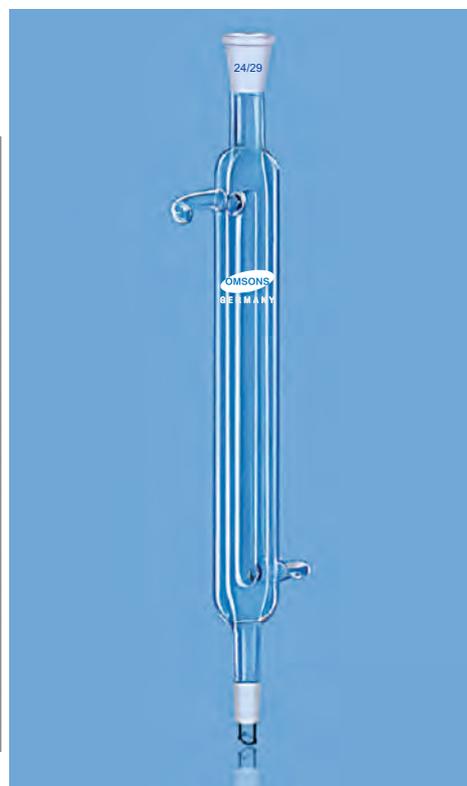
Cat. No.	Ground Joint		Effective Length (mm)	Connector	Pack of	Price/ Piece
	Socket	Cone				
101/1	14/23	14/23	150	Screw Thread	1	540.00
101/2	19/26	19/26	200	Screw Thread	1	570.00
101/3	19/26	19/26	250	Screw Thread	1	590.00
101/4	24/29	24/29	250	Screw Thread	1	630.00
101/5	19/26	19/26	300	Screw Thread	1	654.00
101/6	24/29	19/26	300	Screw Thread	1	720.00
101/7	24/29	24/29	400	Screw Thread	1	804.00
101/8	24/29	24/29	500	Screw Thread	1	834.00
101/9	34/35	34/35	500	Screw Thread	1	1150.00



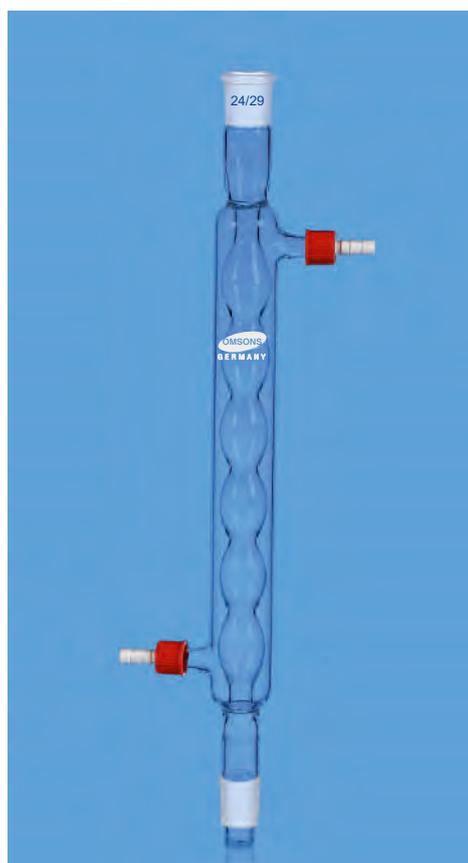
## 104 Condensers, Double Surface

- Made From Heat Resistant Low Expansion 3.3 Borosilicate Glass.

Cat. No.	Ground Joint		Effective Length (mm)	Connector	Pack of	Price / Piece
	Socket	Cone				
104/1	19/26	19/26	150	Glass	1	650.00
104/2	24/29	24/29	150	Glass	1	650.00
104/3	19/26	19/26	200	Glass	1	678.00
104/4	24/29	24/29	200	Glass	1	690.00
104/5	29/32	29/32	200	Glass	1	702.00
104/6	-	19/26	200	Glass	1	636.00
104/7	-	24/29	200	Glass	1	642.00
104/8	-	34/35	200	Glass	1	672.00
104/9	-	19/26	250	Glass	1	666.00
104/10	19/26	19/26	250	Glass	1	708.00
104/11	24/29	24/29	250	Glass	1	740.00
104/12	19/26	19/26	300	Glass	1	850.00
104/13	24/29	24/29	300	Glass	1	860.00
104/14	24/29	24/29	400	Glass	1	978.00
104/15	24/29	24/29	500	Glass	1	1370.00
104/16	34/35	34/35	500	Glass	1	1456.00
104/17	34/35	34/35	600	Glass	1	1680.00



# CONDENSER



## 107

### Condenser Allihin (Bulb Condenser)

- Complies with ASTM E-438, Type-1, Class A, Boro 3.3 Glass.
- Complies with DIN 12581.
- Ideal for reflux and comes with plastic screw thread connector.

Cat. No.	Ground Joint		Effective Length (mm)	Connector	Pack of	Price/ Piece
	Socket	Cone				
107/1	-	19/26	200	Screw Thread	1	468.00
107/2	-	24/29	200	Screw Thread	1	496.00
107/3	-	29/32	200	Screw Thread	1	496.00
107/4	-	34/35	200	Screw Thread	1	468.00
107/5	-	40/38	200	Screw Thread	1	520.00
107/6	-	50/42	200	Screw Thread	1	680.00
107/7	-	50/42	250	Screw Thread	1	786.00
107/8	19/26	19/26	200	Screw Thread	1	478.00
107/9	24/29	24/29	200	Screw Thread	1	510.00
107/10	19/26	19/26	300	Screw Thread	1	578.00
107/11	24/29	24/29	300	Screw Thread	1	610.00
107/12	24/29	24/29	400	Screw Thread	1	700.00
107/13	24/29	24/29	500	Screw Thread	1	850.00
107/14	34/35	34/35	500	Screw Thread	1	940.00
107/15	34/35	34/35	600	Screw Thread	1	1020.00
107/16	34/35	34/35	750	Screw Thread	1	1820.00



## 108

### Condenser, Leibig

- Compliance with DIN 12576 / Drip Tip.
- Interchangeable Inner & Outer Joints
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.

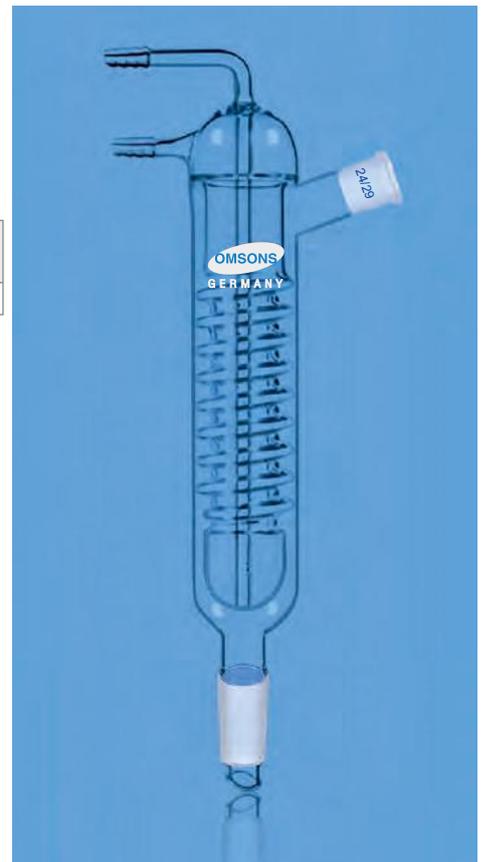
Cat. No.	Ground Joint		Effective Length	Connector (mm)	Pack of	Price/ Piece
	Socket	Cone				
108/1	14/23	14/23	150	Screw Thread	1	275.00
108/2	19/26	19/26	200	Screw Thread	1	320.00
108/3	24/29	24/29	200	Screw Thread	1	366.00
108/4	19/26	19/26	300	Screw Thread	1	380.00
108/5	24/29	24/29	300	Screw Thread	1	430.00
108/6	19/26	19/26	350	Screw Thread	1	444.00
108/7	24/29	24/29	350	Screw Thread	1	456.00
108/8	19/26	19/26	400	Screw Thread	1	460.00
108/9	24/29	24/29	400	Screw Thread	1	480.00
108/10	24/29	24/29	500	Screw Thread	1	580.00
108/11	24/29	24/29	600	Screw Thread	1	650.00
108/12	24/29	24/29	750	Screw Thread	1	950.00
108/13	34/35	34/35	500	Screw Thread	1	1080.00
108/14	34/35	34/35	600	Screw Thread	1	1180.00
108/15	34/35	34/35	750	Screw Thread	1	1270.00
108/16	34/35	34/35	900	Screw Thread	1	1520.00
108/17	-	19/26	300	Screw Thread	1	370.00
108/18	-	24/29	350	Screw Thread	1	440.00
108/19	-	34/35	250	Screw Thread	1	460.00
108/20	29/32	29/32	250	Screw Thread	1	524.00
108/21	29/32	29/32	400	Screw Thread	1	626.00

## 108A

### Condensers, Friedrichs

- Drip Tip.
- Interchangeable Inner and Outer Joint.
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.

Cat. No.	Ground Joint		Effective Length (mm)	Connector	Pack of	Price / Piece
	Socket	Cone				
108A/1	24/29	24/29	200	GLASS	1	2000.00

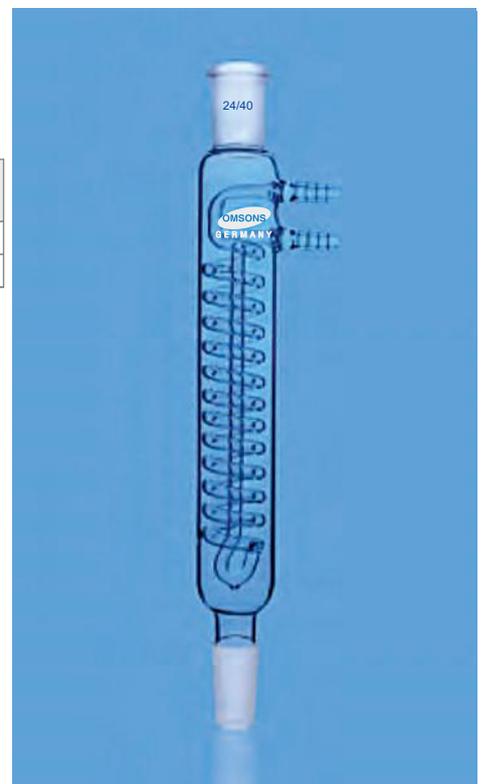


## 108B

### Condenser Reflux

- Coil style reflux condenser with tightly warped coil providing maximum cooling.

Cat. No.	Ground Joint		Overall Length (mm)	Pack of	Price / Piece
	Socket	Cone			
108B/1	19/26	19/26	200	1	900.00
108B/2	24/29	24/29	200	1	1100.00



# Crucibles



## 225

### Crucible, Silica

- With Lid.
- Goes upto 1000°C.

Cat. No.	Capacity (mL)	Dia (mm)	Height (mm)	Pack of	Price / Piece
225/1	15	41	25	6	840.00
225/2	25	47	28	6	970.00
225/3	50	57	37	6	1650.00
225/4	80	67	45	4	3140.00
225/5	100	71	50	4	3690.00
225/6	150	82	51	4	4400.00

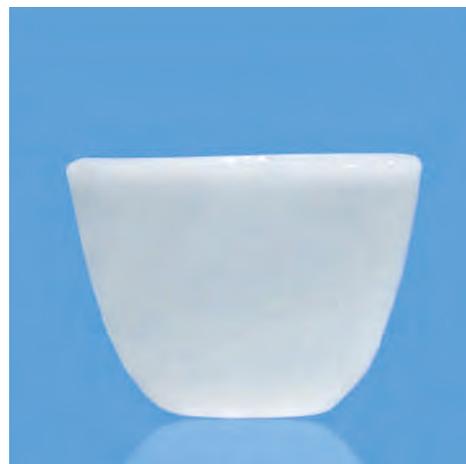


## 226

### Crucible, Silica

- Without Lid.
- Goes upto 1000°C.

Cat. No.	Capacity (mL)	Dia (mm)	Height (mm)	Pack of (mm)	Price / Piece
226/1	15	41	25	6	430.00
226/2	25	47	28	6	500.00
226/3	50	57	37	6	880.00
226/4	80	67	45	4	1910.00
226/5	100	71	50	4	1584.00
226/6	150	82	51	4	2590.00



# CRUCIBLES



## 226A Filter, Crucible, with sintered disc.

- Made from ASTM E-438 type-1 Class A Boro 3.3 glass

Cat. No.	Porosity	Dia. (mm)	Pack of	Price / Piece
226A/1	1	15	10	130.00
226A/2	2	15	10	130.00
226A/3	3	15	10	130.00
226A/4	4	15	10	130.00
226A/5	1	30	10	150.00
226A/6	2	30	10	150.00
226A/7	3	30	10	150.00
226A/8	4	30	10	150.00
226A/9	1	50	10	260.00
226A/10	2	50	10	260.00
226A/11	3	50	10	260.00
226A/12	4	50	10	260.00



## 225Q Crucible, Quartz

- Made of Quartz Gel & Powder.
- Tolerance upto 2000°C.

Cat. No.	Size (mL)	Type	Pack of	Price / Piece
225Q/1	15	Without Lid	4	570.00
225Q/2	25	Without Lid	4	860.00
225Q/3	50	Without Lid	2	1300.00
225Q/4	100	Without Lid	2	2150.00
225Q/5	15	With Lid	4	1070.00
225Q/6	25	With Lid	4	1660.00
225Q/7	50	With Lid	2	2500.00
225Q/8	100	With Lid	2	4150.00



## 228

### Tong, Crucible.

- Made of SS, Grade 202.

Cat. No.	Size (mm)	Pack of	Price / Piece
228/1	150	4	120.00
228/2	200	4	140.00
228/4	300	4	386.00
228/5	450	4	600.00
228/6	600	4	1180.00



# Cylinders



## 70

### Measuring Cylinder with Hexagonal Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
70/1	5	0.1	0.05	1	310.00
70/2	10	0.2	0.10	1	320.00
70/3	25	0.5	0.25	1	360.00
70/4	50	1.0	0.50	1	428.00
70/5	100	1.0	0.50	1	518.00
70/6	250	2.0	1.00	1	790.00
70/7	500	5.0	2.50	1	1150.00
70/8	1000	10.0	5.00	1	1444.00
70/9	2000	20.0	10.00	1	2450.00



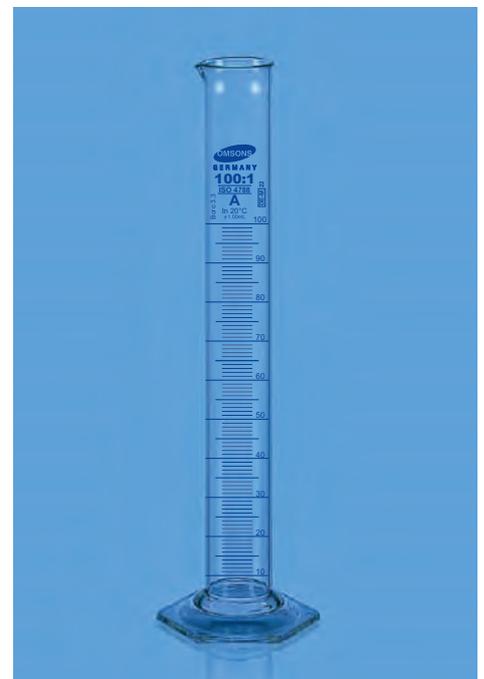
## 71

### Measuring Cylinder with Hexagonal Base

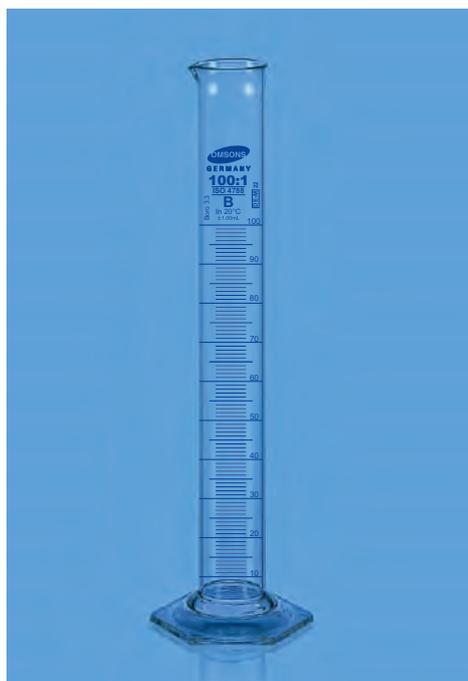
- Compliance with DIN/ISO 4788.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
70/1	5	0.1	0.05	1	680.00
70/2	10	0.2	0.10	1	680.00
70/3	25	0.5	0.25	1	750.00
70/4	50	1.0	0.50	1	800.00
70/5	100	1.0	0.50	1	880.00
70/6	250	2.0	1.00	1	1080.00
70/7	500	5.0	2.50	1	1480.00
70/8	1000	10.0	5.00	1	1700.00
70/9	2000	20.0	10.00	1	2600.00



# CYLINDERS



## 72

### Measuring Cylinder with Hexagonal Base

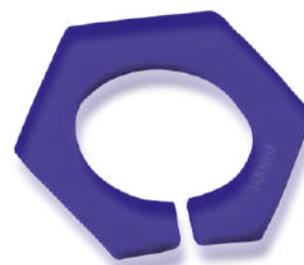
- Compliance with DIN/ISO 4788.
- With Individual **Class 'B'**
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
72/1	5	0.1	0.10	2	200.00
72/2	10	0.2	0.20	2	210.00
72/3	25	0.5	0.50	2	240.00
72/4	50	1.0	1.00	2	250.00
72/5	100	1.0	1.00	2	300.00
72/6	250	2.0	2.00	1	550.00
72/7	500	5.0	5.00	1	670.00
72/8	1000	10.0	10.00	1	1100.00
72/9	2000	20.0	20.00	1	2080.00



### Measuring Cylinder Safety Ring (Rider/Bumper)

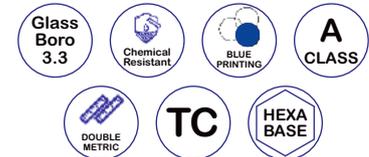
Cat. No.	Rider/Ring Size	Qty/Pack	Price/Piece
75/1	10	10	22.00
75/2	25	10	25.00
75/3	50	10	28.00
75/4	100	10	35.00
75/5	250	10	42.00
75/6	500	10	60.00
75/7	1000	5	80.00
75/8	2000	5	100.00



## 76

### Measuring Cylinder with Hexagonal Base

- Compliance with ASTM E 1272 (USP)
- With Double Metric Scale
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 20°C.

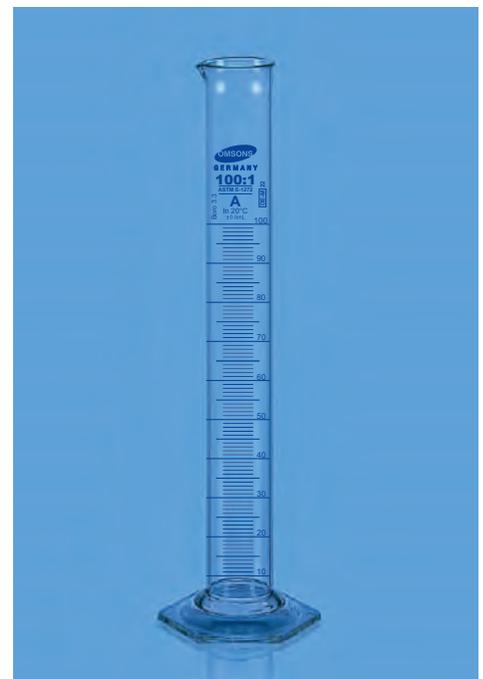


Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
76/1	5	0.1	0.05	1	300.00
76/2	10	0.2	0.10	1	320.00
76/3	25	0.5	0.17	1	380.00
76/4	50	1.0	0.25	1	480.00
76/5	100	1.0	0.50	1	550.00
76/6	250	2.0	1.00	1	850.00
76/7	500	5.0	2.00	1	1250.00
76/8	1000	10.0	3.00	1	1450.00
76/9	2000	20.0	6.00	1	2300.00

## 77

### Measuring Cylinder with Hexagonal Base

- Compliance with ASTM E 1272 (USP)
- With Double Metric Scale
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber colour.
- Highly resistant to chemical attack.
- Calibrated at 20°C.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
77/1	5	0.1	0.05	1	750.00
77/2	10	0.2	0.10	1	760.00
77/3	25	0.5	0.17	1	796.00
77/4	50	1.0	0.25	1	850.00
77/5	100	1.0	0.50	1	952.00
77/6	250	2.0	1.00	1	1180.00
77/7	500	5.0	2.00	1	1596.00
77/8	1000	10.0	3.00	1	1846.00
77/9	2000	20.0	6.00	1	2976.00

# CYLINDERS



## 78 Measuring Cylinder Graduated Single Metric Scale, with Penny Head Interchangeable Stopper with Hexagonal Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- With Solid Glass Stopper/PP Stopper.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Stopper Size	Pack of	Price / Piece
78/1	5	0.1	0.05	10/19	1	376.00
78/2	10	0.2	0.10	10/19	1	384.00
78/3	25	0.5	0.25	14/23	1	410.00
78/4	50	1.0	0.50	14/23	1	576.00
78/5	100	1.0	0.50	19/26	1	670.00
78/6	250	2.0	1.00	24/29	1	1080.00
78/7	500	5.0	2.50	24/29	1	1740.00
78/8	1000	10.0	5.00	34/35	1	2200.00
78/9	2000	20.0	10.00	34/35	1	3450.00



## 79 Measuring Cylinder Graduated Single Metric Scale, with Penny Head Interchangeable Stopper with Hexagonal Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'A'** Certificate with **NABL**
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- With Solid Glass Stopper/PP Stopper.
- Calibrated at 27°C & 20°C.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Stopper Size	Pack of	Price / Piece
79/1	5	0.1	0.05	10/19	1	720.00
79/2	10	0.2	0.10	10/19	1	740.00
79/3	25	0.5	0.25	14/23	1	760.00
79/4	50	1.0	0.50	14/23	1	780.00
79/5	100	1.0	0.50	19/26	1	900.00
79/6	250	2.0	1.00	24/29	1	1200.00
79/7	500	5.0	2.50	24/29	1	1880.00
79/8	1000	10.0	5.00	34/35	1	2080.00
79/9	2000	20.0	10.00	34/35	1	3500.00



## 80

### Measuring Cylinder Graduated Single Metric Scale, with Penny Head Interchangeable Stopper with Hexagonal Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'B'**
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- With Solid Glass Stopper/PP Stopper.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ± (mL)	Stopper Size	Pack of	Price / Piece
80/1	5	0.1	0.1	10/19	2	270.00
80/2	10	0.2	0.2	10/19	2	276.00
80/3	25	0.5	0.5	14/23	2	304.00
80/4	50	1.0	1.0	14/23	2	350.00
80/5	100	1.0	1.0	19/26	2	440.00
80/7	250	2.0	2.0	24/29	2	720.00
80/8	500	5.0	5.0	24/29	1	1030.00
80/9	1000	10.0	10.0	34/35	1	1650.00
80/10	2000	20.0	20.0	34/35	1	2400.00



## 83

### Measuring Cylinder with Round Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ± (mL)	Pack of	Price / Piece
83/1	5	0.1	0.05	1	180.00
83/2	10	0.2	0.10	1	180.00
83/3	25	0.5	0.25	1	230.00
83/4	50	1.0	0.50	1	310.00
83/5	100	1.0	0.50	1	370.00
83/5A	150	1.0	0.50	1	510.00
83/6	250	2.0	1.00	1	670.00
83/7	500	5.0	2.50	1	1210.00
83/8	1000	10.0	5.00	1	1410.00
83/9	2000	20.0	10.00	1	2240.00



# CYLINDERS



## 84 Measuring Cylinder with Round Base



- Compliance with DIN/ISO 4788.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
84/1	5	0.1	0.05	1	396.00
84/2	10	0.2	0.10	1	396.00
84/3	25	0.5	0.25	1	444.00
84/4	50	1.0	0.50	1	528.00
84/5	100	1.0	0.50	1	588.00
84/5A	150	1.0	0.50	1	864.00
84/6	250	2.0	1.00	1	864.00
84/7	500	5.0	2.50	1	1410.00
84/8	1000	10.0	5.00	1	1650.00
84/9	2000	20.0	10	1	2560.00



## 85 Measuring Cylinder with Hexagonal Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'B'**
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ±(mL)	Pack of	Price / Piece
85/1	5	0.1	0.10	2	130.00
85/2	10	0.2	0.20	2	140.00
85/3	25	0.5	0.50	2	170.00
85/4	50	1.0	1.00	2	210.00
85/5	100	1.0	1.00	2	250.00
85/6	250	2.0	2.00	2	440.00
85/7	500	5.0	5.00	1	736.00
85/8	1000	10.0	10.00	1	1050.00
85/9	2000	20.0	20.00	1	1740.00



## 86 Measuring Cylinder Graduated Single Metric Scale, with Penny Head Interchangeable Stopper with Round Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- With Solid Glass Stopper/PP Stopper.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ± (mL)	Stopper Size	Pack of	Price / Piece
86/1	5	0.1	0.05	10/19	1	250.00
86/2	10	0.2	0.10	10/19	1	250.00
86/3	25	0.5	0.25	14/23	1	320.00
86/4	50	1.0	0.50	14/23	1	390.00
86/5	100	1.0	0.50	19/26	1	466.00
86/5A	150	1.0	0.50	19/26	1	650.00
86/6	250	2.0	1.00	24/29	1	818.00
86/7	500	5.0	2.50	24/29	1	1490.00
86/8	1000	10.0	5.00	34/35	1	1700.00
86/9	2000	20.0	10.00	34/35	1	2650.00



## 87 Measuring Cylinder Graduated Single Metric Scale, with Penny Head Interchangeable Stopper with Round Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'A'** Certificate with **NABL**
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- With Solid Glass Stopper/PP Stopper.
- Calibrated at 27°C & 20°C.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ± (mL)	Stopper Size	Pack of	Price / Piece
87/1	5	0.1	0.05	10/19	1	460.00
87/2	10	0.2	0.10	10/19	1	460.00
87/3	25	0.5	0.25	14/23	1	570.00
87/4	50	1.0	0.50	14/23	1	600.00
87/5	100	1.0	0.50	19/26	1	690.00
87/5A	150	1.0	0.50	19/26	1	850.00
87/6	250	2.0	1.00	24/29	1	1020.00
87/7	500	5.0	2.50	24/29	1	1620.00
87/8	1000	10.0	5.00	34/35	1	1900.00
87/9	2000	20.0	10.00	34/35	1	2840.00



# CYLINDERS



## 88 Measuring Cylinder Graduated Single Metric Scale, with Penny Head Interchangeable Stopper with Round Base

- Compliance with DIN/ISO 4788.
- With Individual **Class 'B'**
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- With Solid Glass Stopper/PP Stopper.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ± (mL)	Stopper Size	Pack of	Price / Piece
88/1	5	0.1	0.1	10/19	2	190.00
88/2	10	0.2	0.2	10/19	2	190.00
88/3	25	0.5	0.5	14/23	2	250.00
88/4	50	1.0	1.0	14/23	2	306.00
88/5	100	1.0	1.0	19/26	2	360.00
88/6	250	2.0	2.0	24/29	1	650.00
88/7	500	5.0	5.0	24/29	1	980.00
88/8	1000	10.0	10.0	34/35	1	1400.00
88/9	2000	20.0	20.0	34/35	1	2200.00



## 89 Cylinders, Rain Measure, Round Base, Metric Scale, Graduated

Complies with IS 4849-1992, As per **Class 'B'**.

- Manufactured with chemically resistance Boro Glass 3.3
- Printed in Amber/Blue/White
- The cylinders are graduated to indicate rainfall in mm when used with appropriate rain collector

Cat. No.	Size mm	Used For Collector Area cm <sup>2</sup>	Graduation Interval mm	Tolerance ± ml	Quantity Per Case	Price / Piece
89/1	20	200	0.2	0.05	2	800.00



## 90

### Nessler Cylinder

- For colour comparison.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance (±mL)	Pack of	Price / Piece
90/1	50	25 & 50	0.4	10	240.00
90/2	100	50 & 100	0.8	10	300.00

## 91

### Nessler Cylinder

- For colour comparison.
- **Class 'A'** with **NABL** Certificate.
- Printed in White colour.
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.



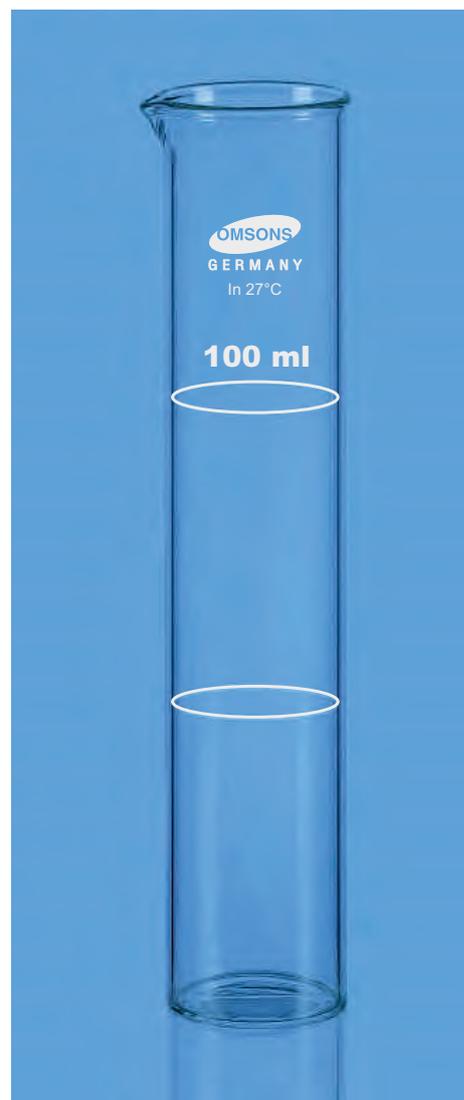
Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance (±mL)	Pack of	Price / Piece
91/1	50	25 & 50	0.4	10	440.00
91/2	100	50 & 100	0.8	10	510.00

## 92

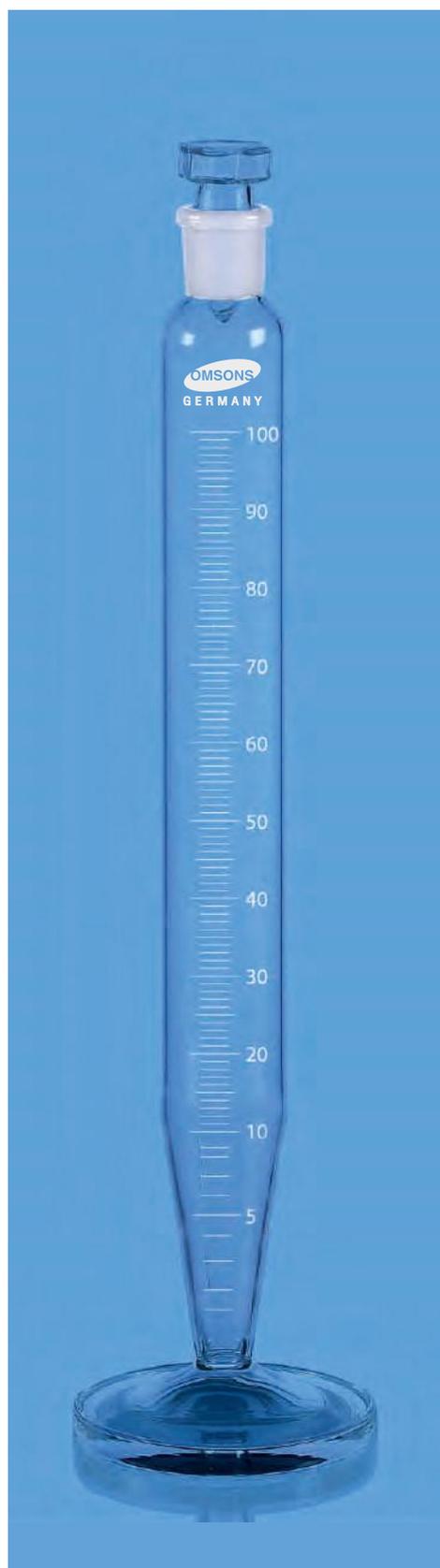
### Nessler Cylinder

- For colour comparison.
- Accuracy as per **Class 'B'**.
- Printed in Amber/Blue/White
- Highly resistant to chemical attack.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance (±mL)	Pack of	Price / Piece
92/1	50	25 & 50	0.8	10	130.00
92/2	100	50 & 100	1.6	10	170.00



# CYLINDERS



## 96

**Crow Receiver**, Round Base, with Interchangeable Stopper, **Class 'A'**, with Certificate.

- Calibrated at 27°C & 20°C.

Cat. No.	Capacity mL	Tolerance ± mL	Minimum Qty/Pack	Price/Piece
96/3	100	0.2 & 0.4	2	780.00



## 97

**Crow Receiver**, Round Base, with Interchangeable Stopper, **Class 'A'**, with Certificate. **NABL**

- Calibrated at 27°C & 20°C.

Cat. No.	Capacity mL	Tolerance ± mL	Minimum Qty/Pack	Price/Piece
97/3	100	0.2 & 0.4	2	888.00

## 98

**Crow Receiver**, Round Base, with Interchangeable Stopper, **Class 'B'**

- Calibrated at 27°C & 20°C.

Cat. No.	Capacity mL	Tolerance ± mL	Minimum Qty/Pack	Price/Piece
98/3	100	0.4 & 0.8	2	540.00



# Desiccator



# DESICCATOR



## 293 Desiccator with Lid, Plain

- Die pressed.
- Neutral Glass with Porcelain perforated plate.

Cat. No.	Approx ID Ground Flange mm	Pack of	Price / Piece
293/5	100	1	1450.00
293/1	160	1	2000.00
293/2	210	1	3410.00
293/3	240	1	5220.00
293/4	300	1	7580.00



## 294 Desiccator With Lid, Vacuum

- Die Pressed.
- Neutral Glass with Porcelain Perforated Plate and Glass Sleeve.

Cat. No.	Approx ID Ground Flange mm	Pack of	Price / Piece
294/2	160	1	2440.00
294/3	210	1	4780.00
294/4	240	1	7520.00
294/5	300	1	10480.00



## 294P

### Desiccator (Vacuum)

- Made from Polypropylene and Polycarbonate.
- Autoclavable vacuum desiccators can hold vacuum up to 740 mm of Hg for 24 hrs with out any greasing.
- Fitted with Polypropylene stopcock with a self lubricating PTEF plug.

Cat. No.	Size (ml)	Flange (ml)	Pack of	Price / Piece
294P/2	200	232	199	3420.00
294P/3	250	276	240	4320.00



## 293P

### Desiccator (Plain)

- Made from Polypropylene/ Polycarbonate.
- Both Vacuum & Plain Desiccators are provided with a thick perforated Polypropylene disc with a big hole in the center for easy lifting.
- The tiny holes in the disc provide air trough & support to the dishes.
- However porcelain discs are advisable in case of incandescent crucibles.

Cat. No.	Type	Size	Flange (mm)	I.D. (mm)	Pack of	Price / Piece
293P/2	Plain	200	232	199	1	2430.00
293P/3	Plain	250	276	240	1	3240.00



## 295

### Jars, Rectangular, Museum, Neutral Glass with Glass Cover.

Cat. No.	Size (ml)	Flange (ml)	Pack of	Price / Piece
295/1	140	215	100	1710.00
295/2	210	170	130	1980.00
295/3	225	225	125	2580.00
295/4	250	250	150	3480.00
295/5	220	140	140	1980.00



# Dishes



## 259

### Dishes, Evaporating Flat Bottom, With Pour Out

- Very high chemical resistance
- High resistance to thermal shocks
- Manufactured from Boro 3.3 glass.
- Curved sides with spout.

Cat. No.	Diameter	Height	Pack of	Price / Piece
259/1	80	45	10	270.00
259/2	105	55	10	374.00
259/3	150	80	10	880.00
259/4	200	100	10	1790.00



## 260

### Dishes, Crystallizing, without Spout.

- Reinforced and fire-polished rim reduces chipping
- Large labeling for easy marking
- Very high chemical resistance
- High resistance to thermal shocks
- Made of boro 3.3 glass.

Cat. No.	Diameter	Height	Pack of	Price / Piece
260/1	70	40	10	200.00
260/2	80	45	10	260.00
260/3	100	50	10	390.00
260/4	150	75	10	850.00
260/5	190	100	4	1480.00



# DISHES



## 260A

### Dishes, Crystallizing, with Spout.

- Reinforced and fire-polished rim reduces chipping
- Large labeling for easy marking
- Very high chemical resistance
- High resistance to thermal shocks
- Made of boro 3.3 glass.

Cat. No.	Diameter	Height	Pack of	Price / Piece
260A/1	70	40	10	220.00
260A/2	80	45	10	280.00
260A/3	100	50	10	410.00
260A/4	150	75	10	890.00
260A/5	190	100	4	1530.00



## 292

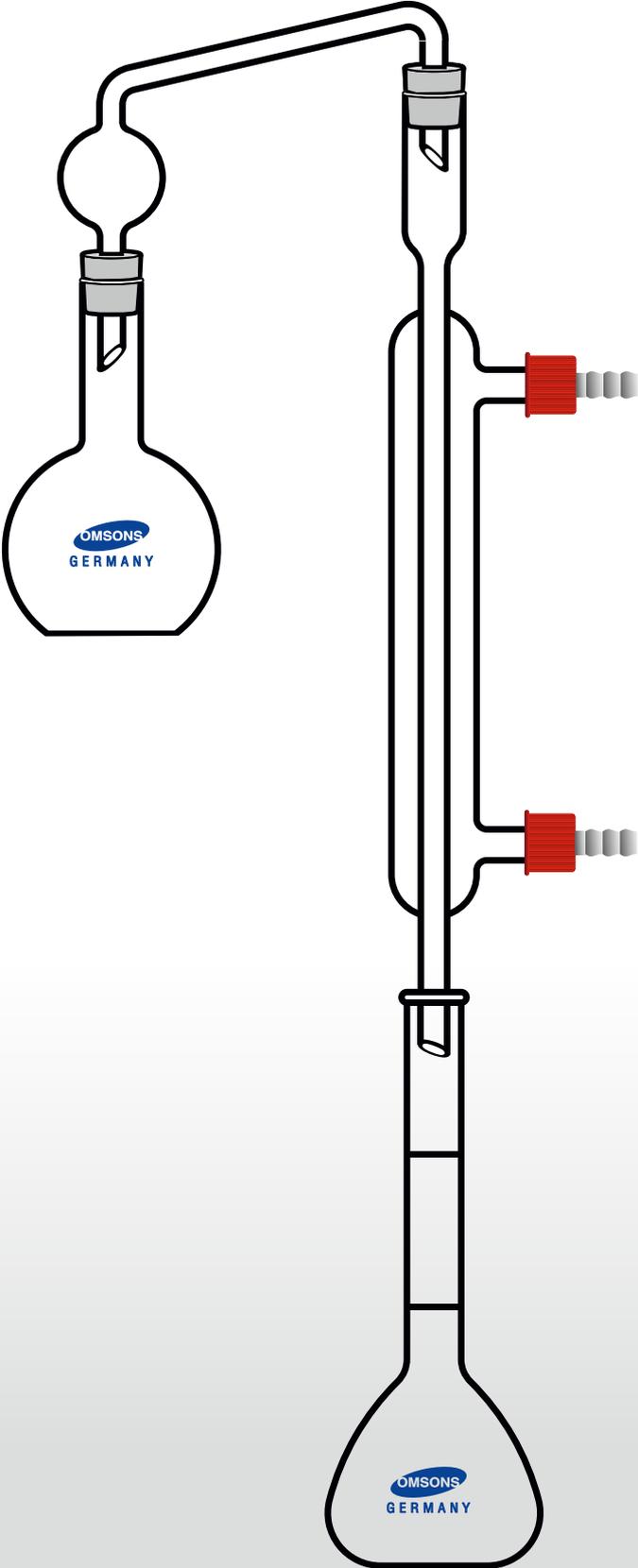
### PETRI DISHES (3.3 Borosilicate)

- Made of 3.3 low expansion borosilicate glass
- These dishes are clear and withstand repeated sterilization cycles (wet or dry)
- Beaded edges impart greater mechanical strength
- Ideal culture vessel for microbiology and plant tissue culture applications

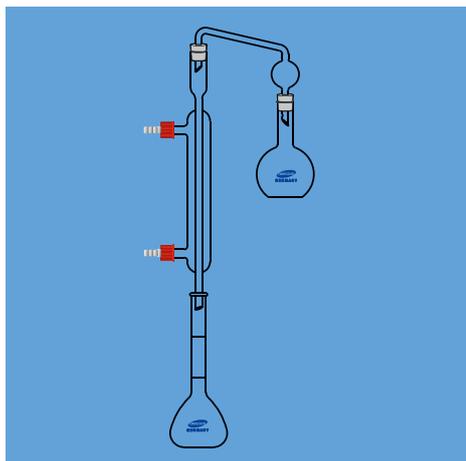
Cat. No.	Diameter	Height (mm)	Pack of	Price / Piece
292/1	50	17	10	120.00
292/2	62	17	10	140.00
292/3	80	17	10	150.00
292/4	100	17	10	160.00
292/5	150	20	10	550.00
292/6	200	20	10	1350.00
292/7	90	17	10	160.00



# Distillation



# DISTILLATION

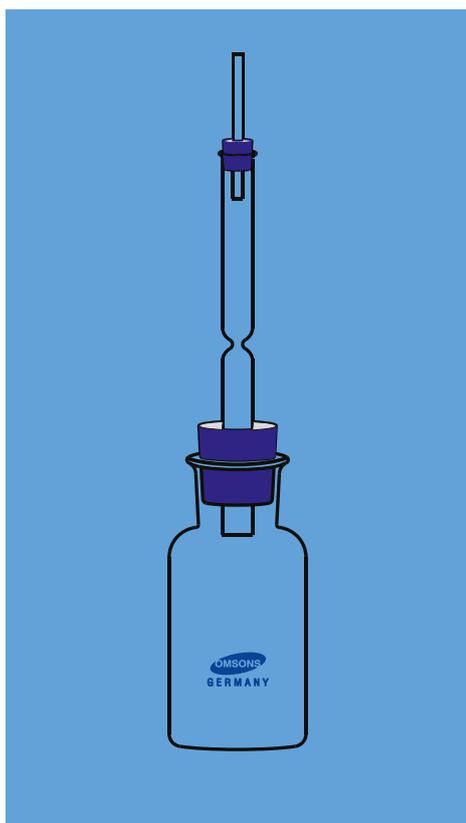


## 310 R.M. Value Apparatus

- Ideal for use in dairy industries
- Facilitates the determination of butter fat, and the analysis of oil, fat and waxes

Cat. No.	Capacity (mL)	Pack of	Price / Piece
310/1	300	1	1550.00

Spare parts available on request



## 311 Arsenic Apparatus,

Gutzeit modified form according to I.S. Specifications.

Cat. No.	Pack of	Price / Piece
311/1	1	550.00



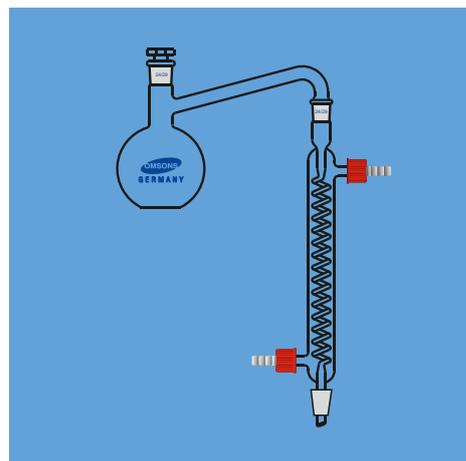
## 383

### Distilling Apparatus, With Graham Condenser, Interchangeable Joints and Stopper (Phenol Distillation)

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.
- Interchangeable Joints & Stopper.
- Flat bottom distillation flask 500 ml 24/29, 19/26.
- With Coil condenser 200mm 19/26.

Cat. No.	Capacity (mL)	Condenser Jacket (mm)	Interchangeable Joint	Pack of	Price / Piece
383/1	500	200	19/26	1	1800.00

Spare parts available on request



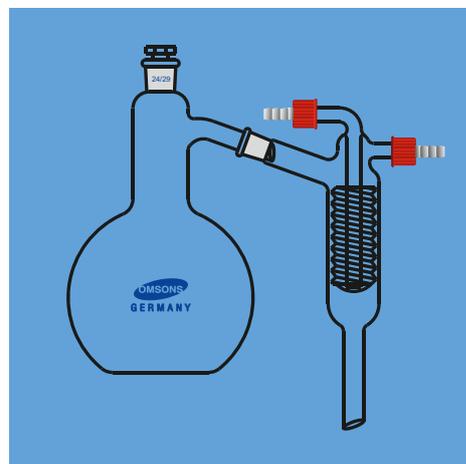
## 384

### Distilling Apparatus, with Friedrichs Condenser, Interchangeable Joint and Stopper Glass Boro 3.3

- Ideal for batch production of high purity distilled water
- With Friedrich's Spiral Condenser for higher distillation rates
- General purpose Batch Distillation Assembly equipped with an Interchangeable stoppered neck that facilitates addition.
- The Flask has a flat base with a delivery tube on the side

Cat. No.	Capacity (mL)	Interchangeable Joint	Pack of	Price / Piece
384/1	2000	24/29	1	4400.00

Spare parts available on request



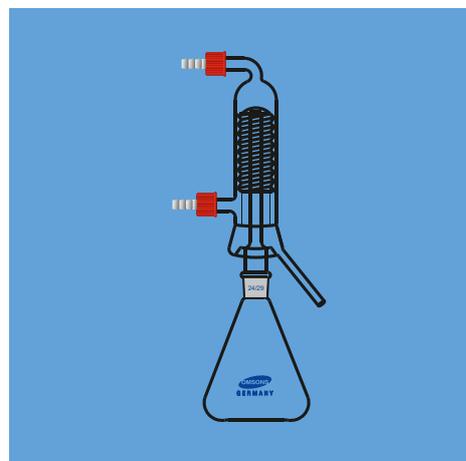
## 385

### Distilling Apparatus, with Friedrichs Condenser, Interchangeable Joint Glass Boro 3.3

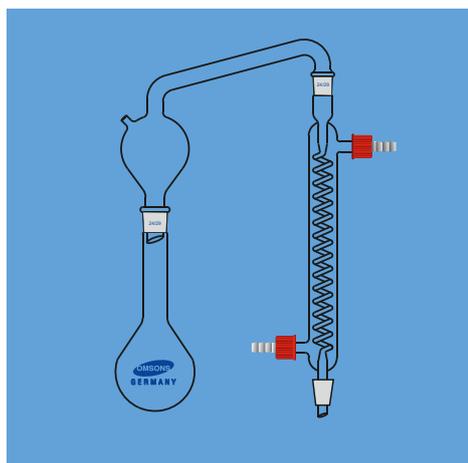
- A compact distillation assembly with specially designed Friedrich's Condensers
- This Condenser is designed with vapour tubing rising at
- A 1000 ml Erlenmeyer Flask is provided with an interchangeable 34/35 joint

Cat. No.	Capacity (mL)	Interchangeable Joint	Pack of	Price / Piece
385/1	1000	34/35	1	3110.00

Spare parts available on request



# DISTILLATION



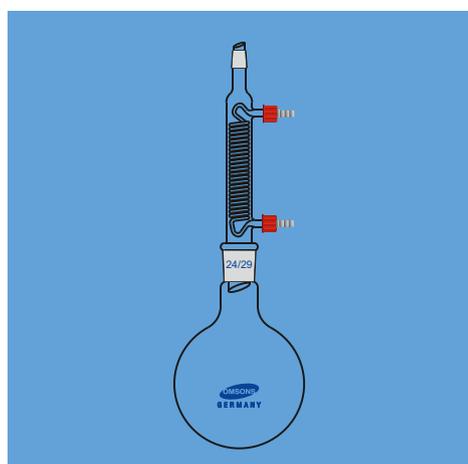
## 386

### Distilling Apparatus, Ammonia, with Graham condenser.

- Made From Heat Resistant, Low Expansion Boro Glass 3.3
- With Interchangeable Joints.
- With Splash Head 24/29, 19/26.
- With Kjeldahl flask 500ml 24/29.
- With Coil condenser 200mm 19/26.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
386/1	500	1	2190.00

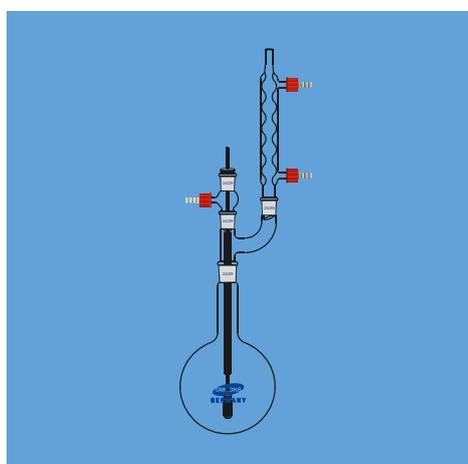
Spare parts available on request



## 389

### Reflux Assembly

Cat. No.	Description	Pack of	Price / Piece
389/1	Reflux Assembly, consists of R.B. Flask 1000 ml, and a reversible Coil Condenser.	1	1580.00



## 390

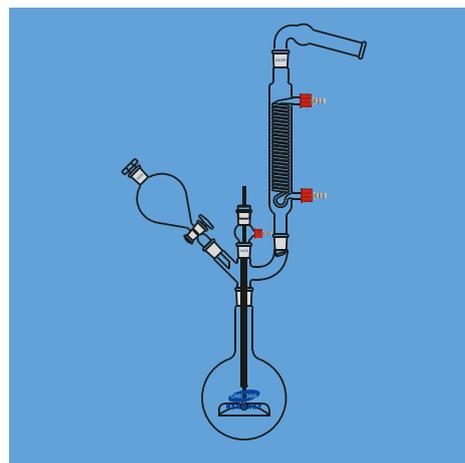
### Reflux Assembly

Cat. No.	Description	Pack of	Price / Piece
390/1	Reflux Assembly, Consists of R.B. Flask 500ml, multiple adapter two necks, stirrer guide, Gland with Cap. gland, link stirrer 450mm.,vertical Allihn Condenser 300mm.	1	2340.00

## 391

### Reflux with Stirrer Assembly

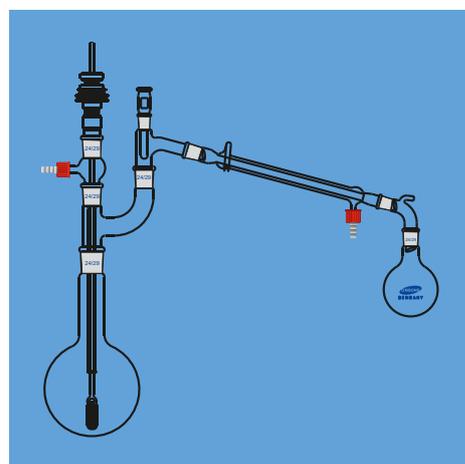
Cat. No.	Description	Pack of	Price / Piece
391/1	Reflux with Stirrer Assembly, consists of R.B. Flask 1000 ml. multiple adapter three necks, stirrer guide, rubber sleeve gland, collapsible paddle stirrer 450 mm., coil condenser 150 mm., drying tube, separating funnel 100 ml. and stopper.	1	2900.00



## 392

### Reaction Assembly

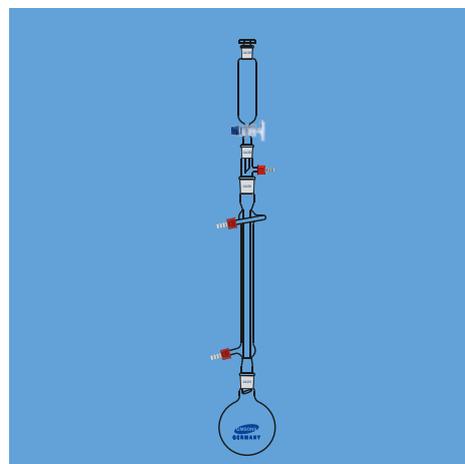
Cat. No.	Description	Pack of	Price / Piece
392/1	Reaction Assembly, consists of R. B. flask 500ml., multiple adapter two necks, stirrer gland with pulley, links stirrer 450mm., still head, thermometer pocket, Liebig condenser 400 mm., receiver adapter bend with vent, R.B. flask 100 ml.	1	5580.00



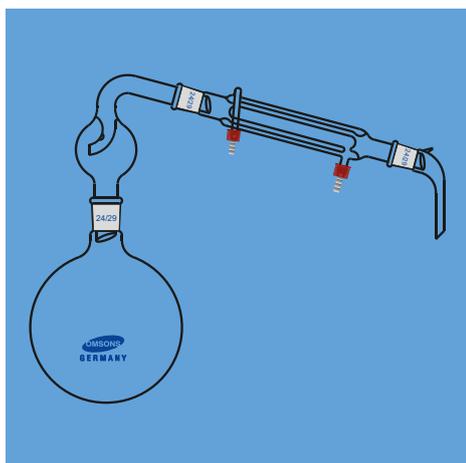
## 393

### Reaction Assembly

Cat. No.	Description	Pack of	Price / Piece
393/1	Reaction assembly, consists of R.B. flask 500 ml, liebig condenser 400 mm., adapter T. Connection, separating funnel 100ml. and stopper		1890.00



# DISTILLATION

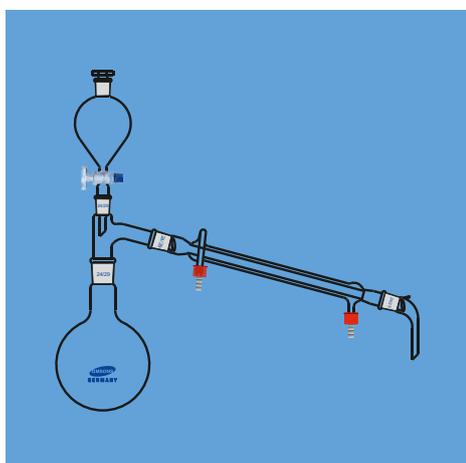


## 394

### Distillation Assembly

Distillation Assembly, consists of R.B. flask, splash head, double surface condenser and receiver adapter.

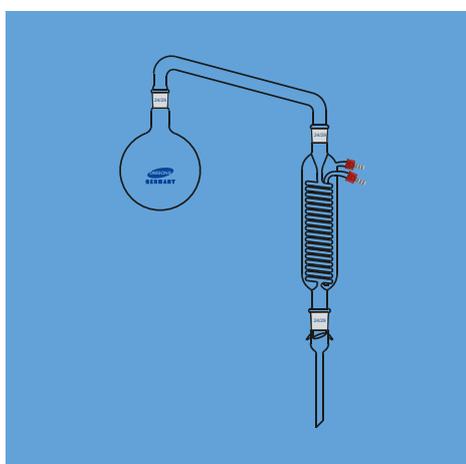
Cat. No.	Condenser effective length mm.	Cap. of Flask (mL)	Pack of	Price / Piece
394/1	200	2000	1	3080.00
394/2	300	3000	1	4896.00
394/3	400	5000	1	6310.00
394/4	600	10000	1	11876.00



## 395

### Distillation Apparatus

Cat. No.	Description	Pack of	Price / Piece
395/1	Distillation Apparatus, consists of R.B. Flask 500 ml., still head, Liebig condenser 400 mm., Receiver adapter, separating funnel 100 ml. and stopper.	1	2210.00



## 396

### Alcohol Distillation Unit

- Ideal for distilling alcohol in the laboratory to produce the purest grade
- Thorpe's revenue still for purification of ethyl alcohol popularly used in pharmaceutical industries

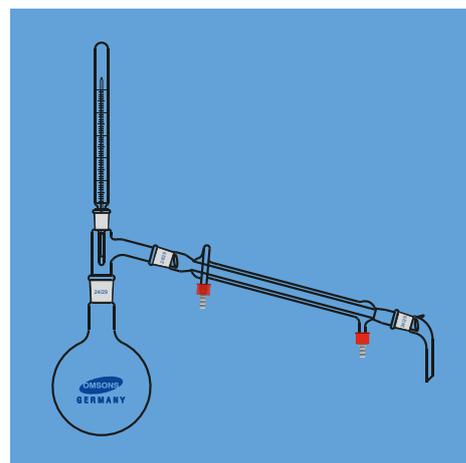
Cat. No.	Cap. of Flask (mL)	Pack of	Price / Piece
396/1	1000	1	2246.00

Spare parts available on request

## 397 Preparation Assembly

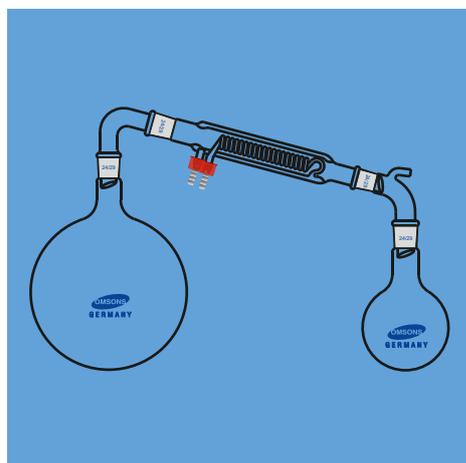
Preparation Assembly, consists of R. B. Flask, Still head Thermometer, Liebig Condenser and receiver adapter.

Cat. No.	Condenser effective length mm.	Cap. of Flask (mL)	Pack of	Price / Piece
397/2	300	500	1	2180.00
397/3	350	1000	1	2484.00
397/4	400	2000	1	3490.00



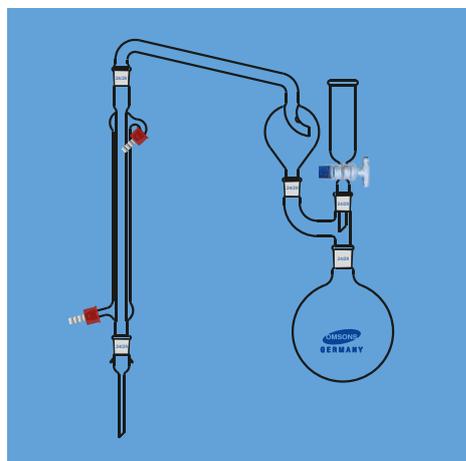
## 399 Vacuum Distillation

Cat. No.	Description	Pack of	Price / Piece
399/1	Vacuum Distillation, consists of R.B. Flask 1000 mL., recovery bend, jacketed coil condenser 150 mm., Receiver adapter bent with vent and R.B. flask 250 mL.	1	2490.00

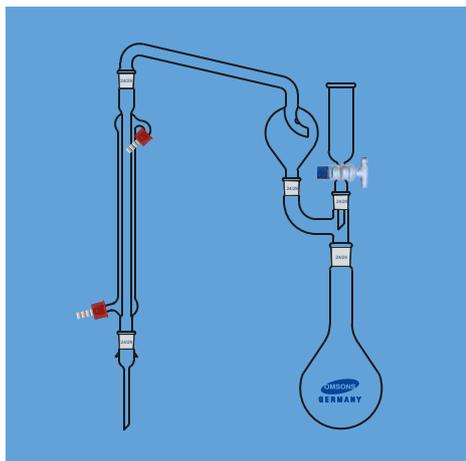


## 400 Kjeldahl Distillation Assembly

Cat. No.	Description	Pack of	Price / Piece
400/1	Kjeldahl Distillation Assembly, consists of R.B. Flask 1000 mL., multiple adapter two necks, splash head verticle, Liebig condenser, receiver adapter and dropping funnel 100 mL	1	2610.00

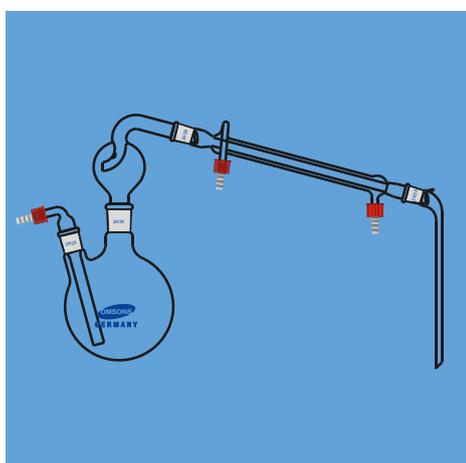


# DISTILLATION



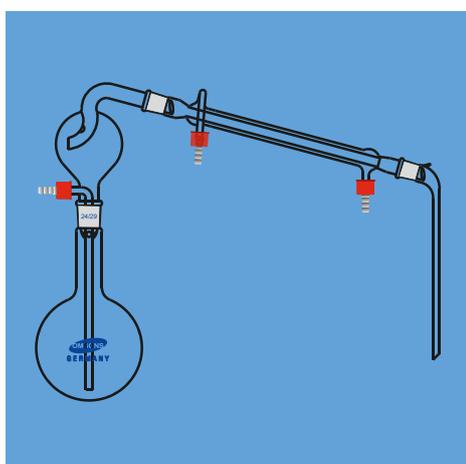
## 401 Kjeldahl Distillation Assembly

Cat. No.	Description	Pack of	Price / Piece
401/1	Kjeldahl Dist Assembly, consists of Kjeldhal flask 500 ml multiple adapter two necks, splash head verticle, Liebig condenser receiver adapter and dropping funnel 100 mt.& Receiving Flask 250 ml.	1	2920.00



## 402 Steam Distillation Assembly

Cat. No.	Description	Pack of	Price / Piece
402/1	Steam Distillation Assembly, consists of R.B. flask 2 necks 500 ml, splash head, Liebig condenser 200 mm, receiver adapter and air leak tube.	1	2280.00



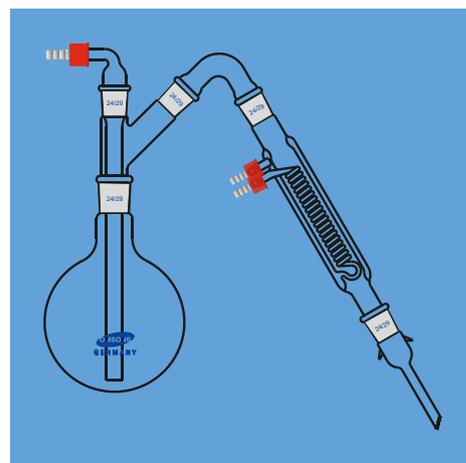
## 403 Steam Distillation Assembly

Cat. No.	Description	Pack of	Price / Piece
403/1	Steam Distillation Assembly, consists of R.B. flask 500 ml, steam distillation head, Liebig condenser 400 mm, receiver adapter.	1	1810.00

## 404

### Steam Distillation Assembly

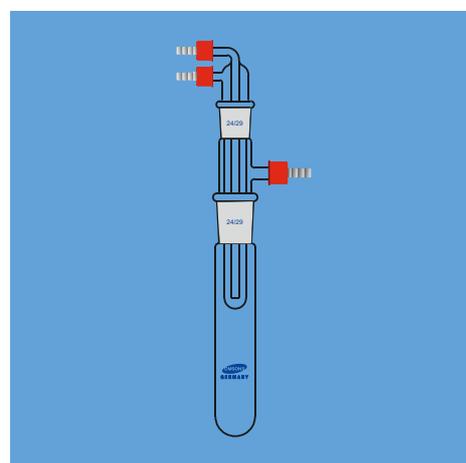
Cat. No.	Description	Pack of	Price / Piece
404/1	Steam Distillation Assembly, consists of R.B. Flask 1000 ml, multiple adapter two necks, recovery bend sloping, jacketed coil condenser and receiver adapter.	1	2410.00



## 405

### Vacuum Sublimation Assembly

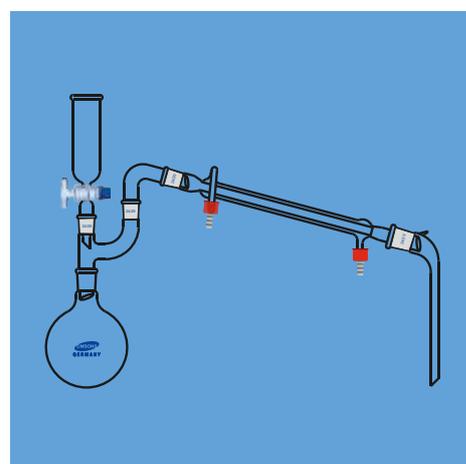
Cat. No.	Description	Pack of	Price / Piece
405/1	Vacuum Sublimation Assembly, consists of Test tube, adapter with T connection and immersion condenser.	1	750.00



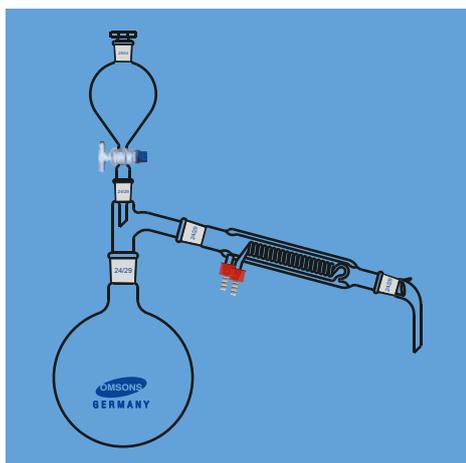
## 406

### Recovery Assembly

Cat. No.	Description	Pack of	Price / Piece
406/1	Recovery Assembly, Consist of RB Flask 250 ml . Multiple Adopter two neck, Recovery Condenser 400mm. Receiver Adopter & dropping Funnel 100 ml.	1	2090.00

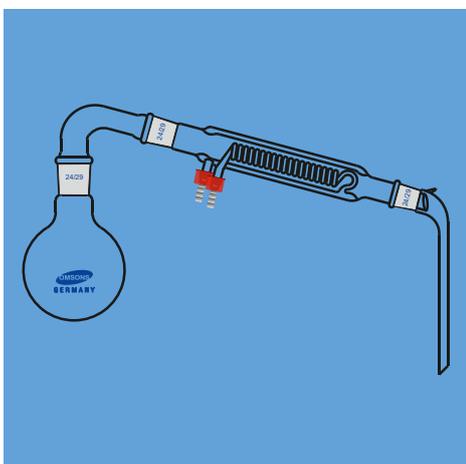


# DISTILLATION



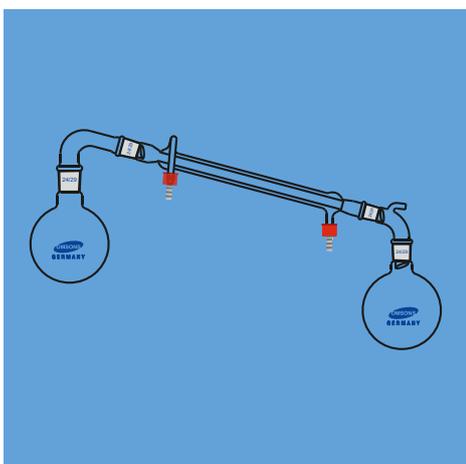
## 407 Recovery Assembly

Cat. No.	Description	Pack of	Price / Piece
407/1	Recovery Assembly, Consist of RB Flask 2000 ml Still head, Jacketed, Coil Condenser 150 mm, Receiver Adapter, Separating Funnel 100 ml & Stopper	1	3510.00



## 408 Solvent Recovery Assembly

Cat. No.	Description	Pack of	Price / Piece
408/1	Solvent Recovery Assembly, Consist of RB Flask 150 ml. Recovery bend. Jacketed, Coil Condenser 150 mm & Receiver Adapter.	1	1910.00



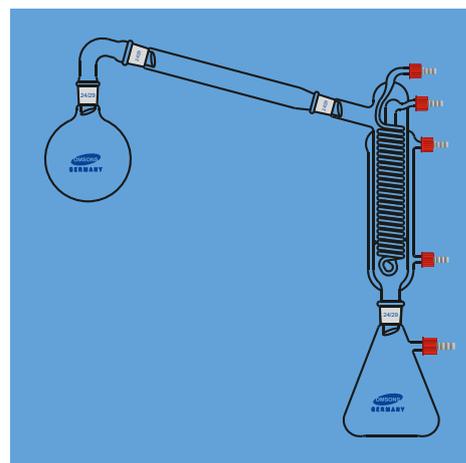
## 409 Solvent Recovery Assembly

Cat. No.	Description	Pack of	Price / Piece
409/1	Solvent Recovery Assembly, consists of R.B. Flask 250 ml., recovery bend, sloping, Liebig condenser 400 mm., Receiver adapter bend with vent and R.B. flask 250 ml.	1	1860.00

## 410

### Solvent Recovery Assembly

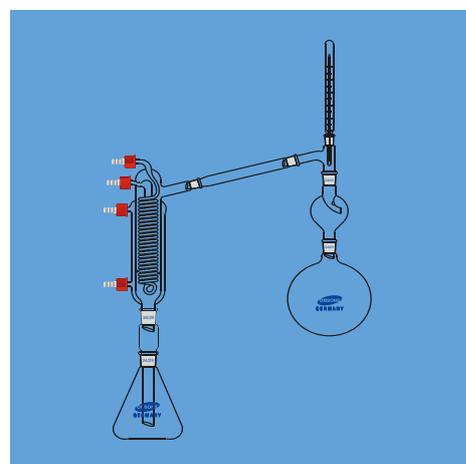
Cat. No.	Description	Pack of	Price / Piece
410/1	Solvent Recovery Assembly, consists of R.B. Flask 500 ml., recovery bend sloping, air condenser 200 mm., Ether condenser and Buchner flask 250 ml.	1	4940.00



## 411

### Solvent Recovery Assembly

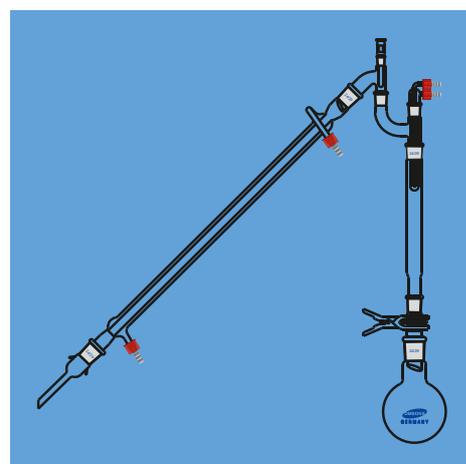
Cat. No.	Description	Pack of	Price / Piece
411/1	Solvent Recovery Assembly, consists of R.B. Flask 3000 ml., splash head adapter vertical, still head recovery with thermometer socket, Air condenser, Ether condenser, Receiver adapter, Conical flask 1000 & Thermometer	1	7440.00



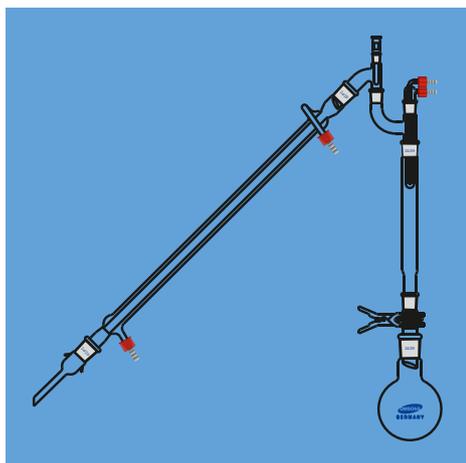
## 412

### Fractionation Assembly

Cat. No.	Description	Pack of	Price / Piece
412/1	Fractionation Assembly, consists of 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 and receiver adapter straight.	1	3890.00

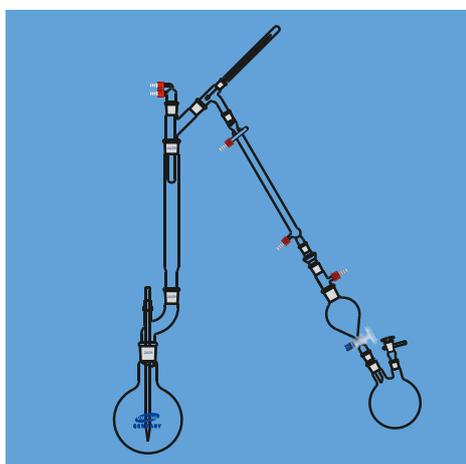


# DISTILLATION



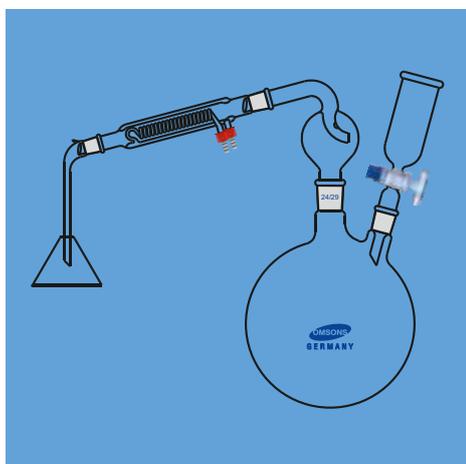
## 413 Fractionation Assembly

Cat. No.	Description	Pack of	Price / Piece
413/1	Fractionation Assembly, consists of R.B. flask 250 ml., Air condenser, Still head recovery, Thermometer, Leibig condenser, Bend with multiple connections and vacuum connection and 3 R.B. flasks 25 ml.	1	3120.00



## 414 Fractionation Assembly

Cat. No.	Description	Pack of	Price / Piece
414/1	Fractionation Assembly, consists of R.B. Flask 1000 ml., Swan neck adapter, Air condenser, Multiple adapter two neck at 45°, Immersion condenser, Still head, Thermometer, Leibig 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 and joint clip.	1	6250.00



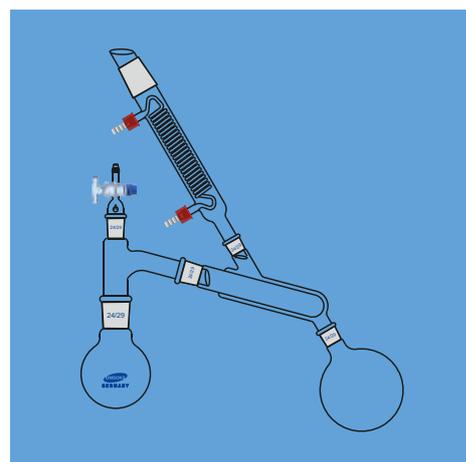
## 415 Continuous Water Distillation Assembly

Cat. No.	Description	Pack of	Price / Piece
415/1	Continuous Water Distillation Assembly, consists of two neck flask 2000 ml., dropping funnel 100 ml., Splash head, jacketed coil condenser, receiver adapter and conical funnel.	1	4210.00

## 416

### Vacuum Drying Pistol

Cat. No.	Description	Pack of	Price / Piece
416/1	Vacuum Drying Pistol, consists of Desiccant flask 100 ml., Boiling flask 250 ml. etc.	1	3830.00



Glass Boro 3.3

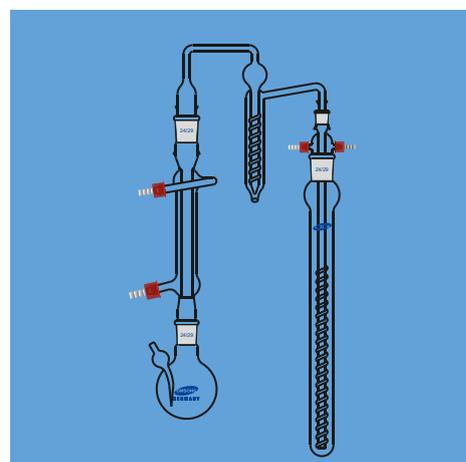
Chemical Resistant

WHITE PRINTING

## 417

### Alkoxy and Alkylimino Group Determination Apparatus (Micro Zeisel).

Cat. No.	Description	Pack of	Price / Piece
417/1	Alkoxy and Alkylimino Group Determination Apparatus, (Micro Zeisel).	1	2490.00



Glass Boro 3.3

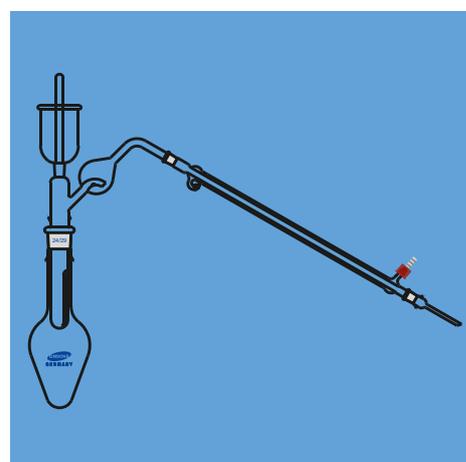
Chemical Resistant

WHITE PRINTING

## 418

### Micro Acetyl Group Determination Apparatus, (Wiesenberger).

Cat. No.	Description	Pack of	Price / Piece
418/1	Micro Acetyl Group Determination Apparatus, (Wiesenberger).	1	2430.00

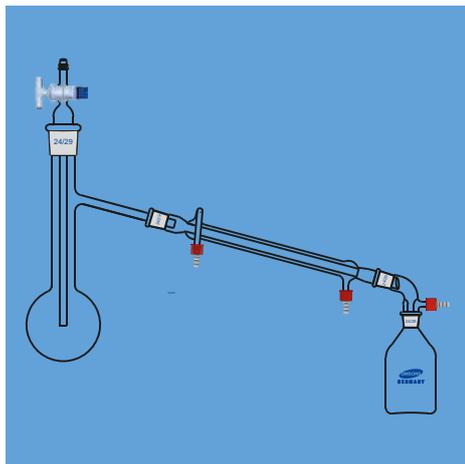


Glass Boro 3.3

Chemical Resistant

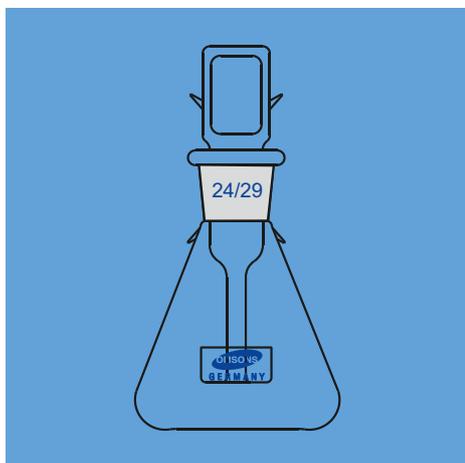
WHITE PRINTING

# DISTILLATION



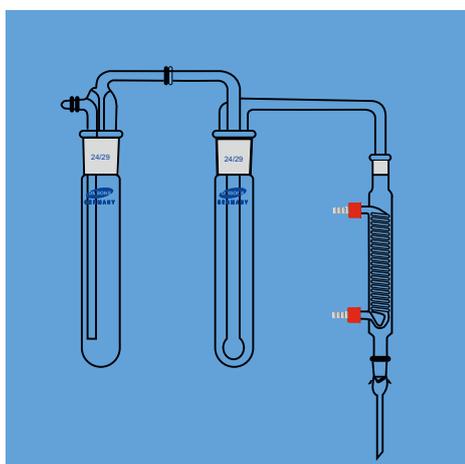
## 419 Mercury Distillation Assembly

Cat. No.	Description	Pack of	Price / Piece
419/1	Mercury Distillation Assembly, Hulett, consists of distillation flask 500 ml., stopcock controlled air bleeding tube, air condenser 500 mm Liebig condenser 200 mm., vacuum receiver adapter and receiving bottle.	1	2990.00



## 420 Cavett Blood Test Apparatus

Cat. No.	Description	Pack of	Price / Piece
420/1	Cavett Blood Test Apparatus, Conical Flask 100 ml.	1	888.00



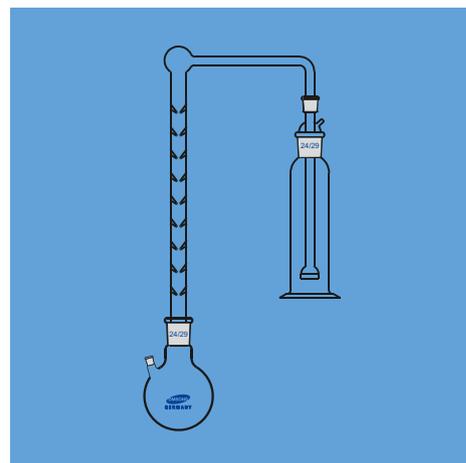
## 421 Kozellka and Hine Blood Test Apparatus

Cat. No.	Description	Pack of	Price / Piece
421/1	Kozellka and Hine Blood Test Apparatus,	1	6340.00

## 422

### Carbaryl Content Determination Apparatus as per I.S. Specification.

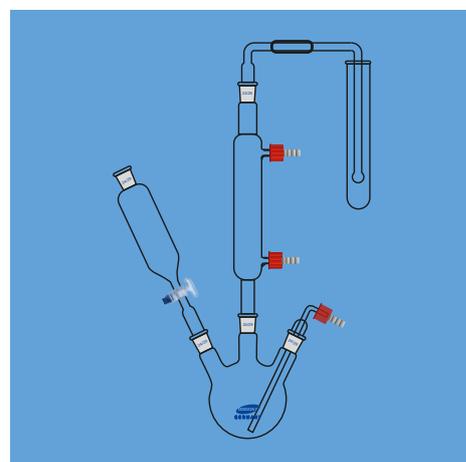
Cat. No.	Description	Pack of	Price / Piece
422/1	Carbaryl Content Determination Apparatus, as per I.S. Specification.	1	4710.00



## 424

### Sulfur Dioxide Assembly, as per USP

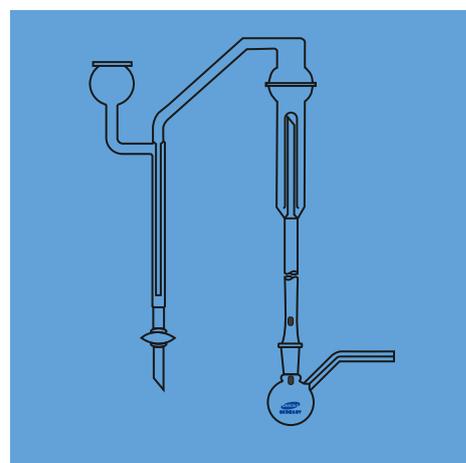
Cat. No.	Description	Pack of	Price / Piece
424/1	Sulfur Dioxide Assembly, as per USP	1	5100.00



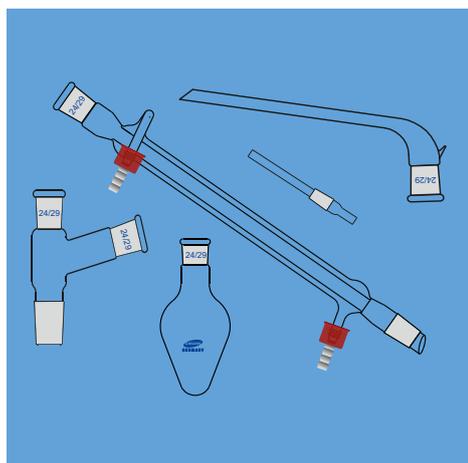
## 428

### Methoxy Determination Assembly as per USP

Cat. No.	Description	Pack of	Price / Piece
428/1	Methoxy Determination Assembly as per USP	1	10080.00



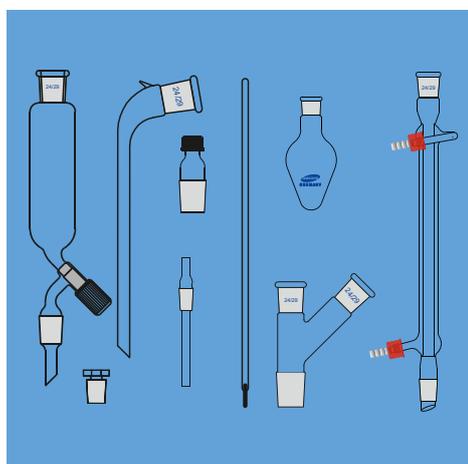
# DISTILLATION



## 429

**Utility Sets** Complete set comprising 5 items of Glassware, 29BU/M

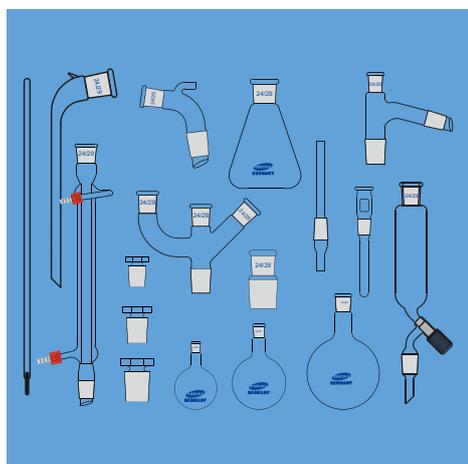
Cat. No.	Description	Pack of	Price / Piece
429/1	Pear Shaped Flask 50 ml, Still Head, Liebig Condenser, Receiver Adapter Bend, Receiver Adapter Long. 1 each.	1	2670.00



## 430

**Utility Sets** Complete set comprising 9 items of Glassware, 27BU/M

Cat. No.	Description	Pack of	Price / Piece
430/1	Pear Shaped Flask 50 ml, Still Head, Liebig Condenser, Screw Cap Adapter, Receiver Adapter, Air Leak/Steam Inlet Tube, Dropping Funnel 50 ml R/F STPK, Stopper & Thermometer.	1	3880.00



## 431

**Utility Sets** Complete set comprising 16 items of Glassware, 34 BU/M

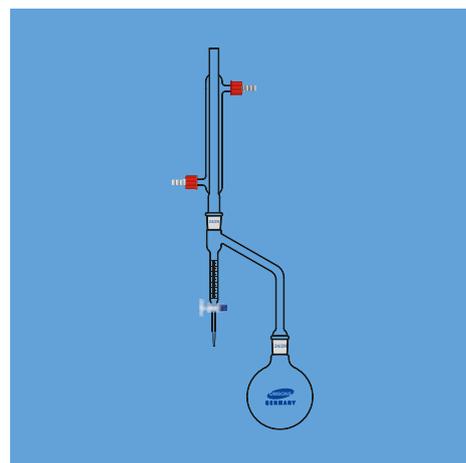
Cat. No.	Description	Pack of	Price / Piece
431/1	Still Head, Receiver, Air Leak/Steam Inlet Tube, Liebig Condenser, Dropping Funnel 100 ml, Reducing Adapter, Multiple Adapter, R/B Flask 50 ml, 100 ml & 250 ml, Conical Flask 250 ml, Stoppers 3, Thermometer Pocket, Receiver Adapter & Thermometer.	1	7690.00

## 433

### Distilling Apparatus, Dean and Stark Moisture Test.

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.

Cat. No.	Cap of Receiver with stopcock (mL)	Cap. of Flask (mL)	Pack of	Price / Piece
433/1	5	500	1	1850.00
433/2	10	1000	1	2090.00
433/3	25	1000	1	2198.00



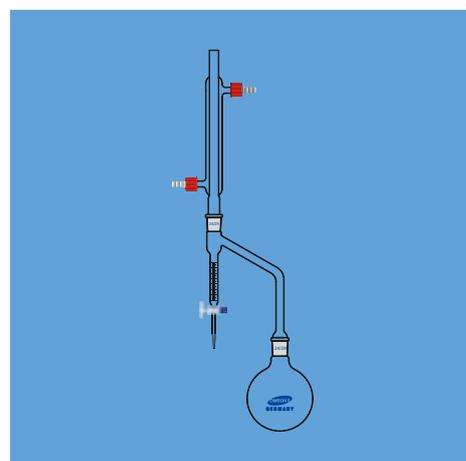
## 434

### Distilling Apparatus, Dean and Stark Moisture Test.

- With **NABL** Calibration Certificate.
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.



Cat. No.	Cap of Receiver with stopcock (mL)	Cap. of Flask (mL)	Pack of	Price / Piece
434/1	5	500	1	2240.00
434/2	10	1000	1	2540.00
434/3	25	1000	1	2210.00

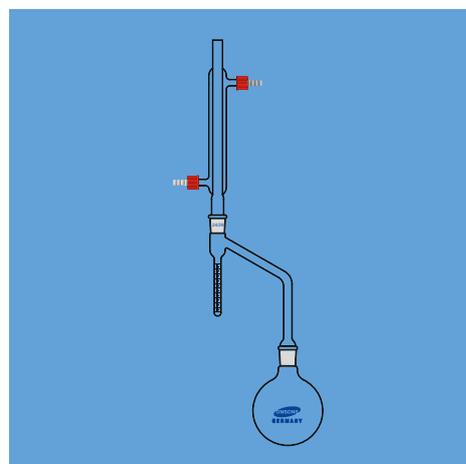


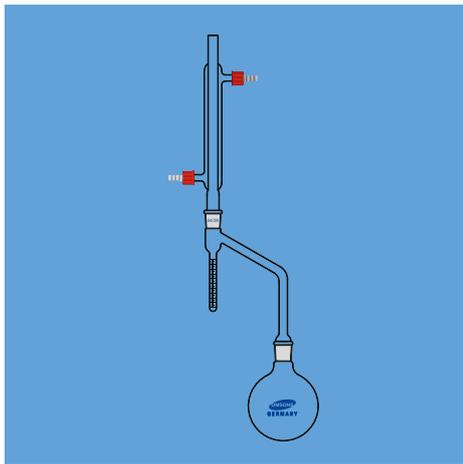
## 435

### Distilling Apparatus, Dean and Stark Moisture Test.

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.

Cat. No.	Cap of Receiver without stopcock (mL)	Cap. of Flask (mL)	Pack of	Price / Piece
435/1	5	500	1	1540.00
435/2	10	1000	1	1850.00
435/3	25	1000	1	1980.00





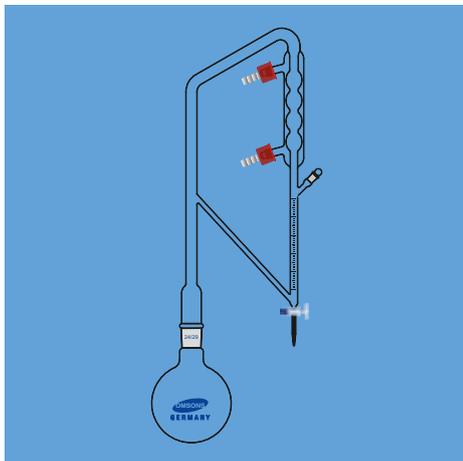
## 436

### Distilling Apparatus, Dean and Stark Moisture Test.

- With **NABL** Calibration Certificate.
- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.



Cat. No.	Cap of Receiver without stopcock (mL)	Cap. of Flask (mL)	Pack of	Price / Piece
436/1	5	500	1	2200.00
436/2	10	1000	1	2380.00
436/3	25	1000	1	2400.00

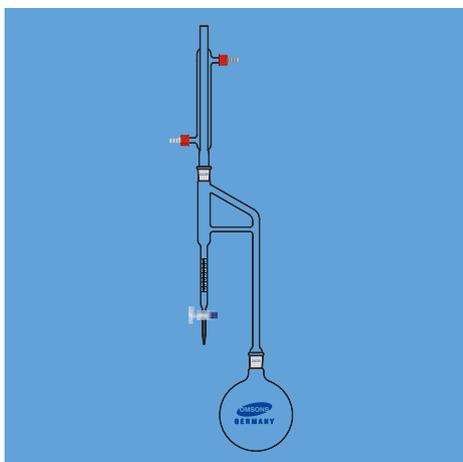


## 442

### Essential Oil Determination Unit, Clevenger Type Glass Boro 3.3

Vertical tube combined with condenser and measuring tube with stopcock. A return tube for the aqueous part of the distillate connects the bottom of the measuring tube & the vertical tube.

Cat. No.	Flask Capacity (mL)	Pack of	Price / Piece
442/1	1000	2	2596.00
442/2	2000	2	3094.00
442/3	3000	1	6150.00
442/4	5000	1	7590.00
442/5	10000	1	12850.00
442/6	20000	1	20780.00



## 443

### Essential Oil Determination Apparatus (Clevenger Apparatus)

- Ideal for estimation of volatile oil that is heavier than water
- Supplied with a 5 ml Receiver with stopcock, an Oil Separator Tube, a condenser and 1000 ml flask

Cat. No.	Capacity (mL)	Pack of	Price / Piece
312D/1	1000	1	2100.00

Spare parts available on request

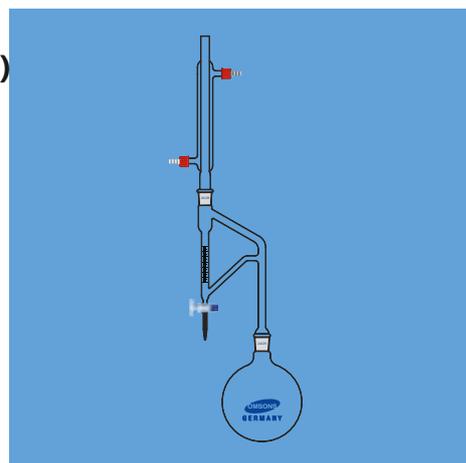


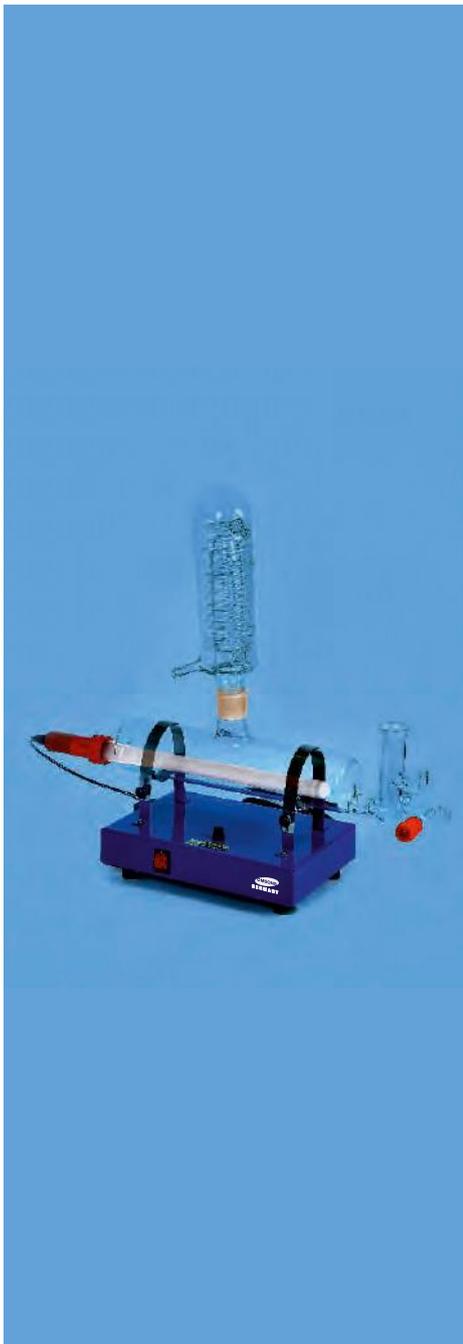
## 445

### Essential Oil Determination Apparatus (Clevenger Apparatus)

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.
- For Oil Lighter Than Water.
- Round bottom flask 1000ml-24/29.
- Liebig condenser 300mm-24/29.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
445/1	1000	1	2050.00





## 210

### WATER STILLS WITH SILICA SHEATED HEATERS

Water stills are carefully designed to produce high purity pyrogen free distilled water. The water still of borosilicate glass comprises of horizontal type boiler, condenser, constant level device, silica sheathed (Quartz) heater, along with stand and clamps. Compact Design.

**All parts are replaceable.**

**Features :**

- Borosilicate condenser & boiler are fitted with a removable silica sheathed heater & screw threaded connectors for ease of cleaning when scaling is formed.
- Distillate temp. is around 25 to 45°C which is ensured by an efficient.
- The stand is powder coated for rust free operation and lustrous appearance.
- The unit automatically switches off if water level in the boiler falls below heater.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Boiler is provided with a Replaceable side over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage.
- Fuse is provided for safety in case of voltage fluctuation or short circuit.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.
- Unique Feature: This model is equipped with in Built Safety Cut off Device which protect the glass in case of water failure & overheating.

### Single Still

Conductivity : 1 to 2.0  $\mu\text{s}/\text{cm}$   
 pH : 5.5-6.0

Cat. No.	Output (mL)	Cooling Water Consumption (ltr/hr)	Power Rating (KW)	Price / Piece
210/1	1.5 ltr/hr	40 ltr/hr	1.5 kw	28100.00
210/2	2.5 ltr/hr	60 ltr/hr	1.7 kw	31800.00
210/3	4.0 ltr/hr	120 ltr/hr	3.0 kw	38700.00

## 211 Double Still

Conductivity : 0.8 to 1µs/cm  
pH : 6.0-7.0

Cat. No.	Output (mL)	Cooling Water Consumption (ltr/hr)	Power Rating (KW)	Price / Piece
211/1	1.5 ltr/hr	80 ltr/hr	3.0 kw	41500.00
211/2	2.5 ltr/hr	120 ltr/hr	3.4 kw	49780.00
211/2	4.0 ltr/hr	150 ltr/hr	6.0 kw	76900.00

\*\* Models upto 10 ltr/hr is also available



## 212 Spares for above Distillation Unit

Cat. No.	Output Capacity Ltr/Hr	Description	Price / Piece
212/1	1.5	Boiling chamber with leveller	7880.00
212/2	2.5	Boiling chamber with leveller	8400.00
212/3	4.0	Boiling chamber with leveller	13700.00
212/4	1.5	Coil Condenser	5600.00
212/5	2.5	Coil Condenser	6400.00
212/6	4.0	Coil Condenser	7740.00
212/7	1.5	Silica sheathed (Quartz) Heater	5370.00
212/8	2.5	Silica sheathed (Quartz) Heater	7000.00
212/9	4.0	Silica sheathed (Quartz) Heater	7240.00



## 213

### Automatic Water Distillation Equipment (Cabinet Model)

#### Compact & User Friendly

This is a fully automatic water distillation equipment has been designed for better and accurate control of the distillation unit and can used in research laboratories, hospitals etc.

It has been incorporated with advanced microprocessor based electronic circuitry.

The alpha numeric LCD which has been used shows all messages that correspond to the running of the machine.

Also there is alarm system which beeps as and when user attention is required.

#### The distillation has following features:

**Replaceable Silica Sheathed (Quartz) Heater:** The Horizontal quartz jacket is fitted with removable silica heater and screw threaded connectors for ease of cleaning when scaling is formed.

**Cooling water from the condenser is re-circulated into the boiling chamber,** hence saving energy.

**Boiler is provided with a Replaceable Side over Flow** for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage.

**The front cover is easily removable** making the access to the glass parts very easy.

**Electrical Power:** 220/240 V, 50/60Hz, Single Phase Supply.

#### Additional In-built Safety Features:

**Gate Valve:** Conserves cooling water wastage in case of power failure

**Flow Switch :** Additional in-built safety feature for the equipment unit shut off in case of cooling water failure.

**Temperature Switch:** The boiler is equipped with a safety temperature switch which shuts off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages.

**Reservoir Level Sensor:** This helps in automatic working of the water distillation equipment. Depending on the water level in the reservoir it will automatically switch On/Off the equipment, the saving energy.

**Reservoir can also be provided with a storage capacity of 5 ltr, 10 ltr & 20 ltr** made of Borosilicate Glass or polypropylene at an extra cost.

#### Technical Specifications:

Cat. No.	Output (mL)	Stage	Price / Piece
213/1	2.0	Single Stage	66730.00
213/2	4.0	Single Stage	75940.00
213/3	2.0	Double Stage	113980.00
213/4	4.0	Double Stage	139120.00

#### Distillate Quality

Output Cap.	(pH)	Conductivity $\mu\text{s/cm}$	Cooling Water Requirement	Power Rating
2.0	5.5-6.0	<3.0	1.5 ltr/min	1.5 kw
4.0	5.5-6.0	<3.0	2.5 ltr/min	3 kw

Output quality would depend upon the quality of the inlet feed water to the boiler

- For high purity & low conductivity water we recommend quartz water distillations.

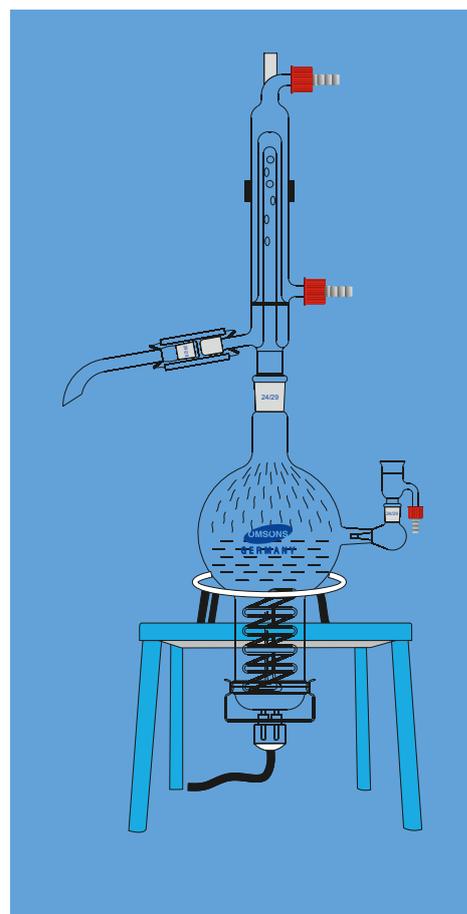
All parameters are under standard test conditions.

## 215

### Water Distillation Automatic Electricity Heated

All Glass Distillation Unit, N.P.L. Design, heater embedded in spiral Glass tube complete with C.I heavy base, S.S. Rod, Clamps, Boards etc.

Cat. No.	Flask Capacity	Description	Price / Piece
215/1	3 ltr	Single Distillation without cut off	17570.00
215/2	3 ltr	Single Distillation with thermal sensor auto cut off	23100.00
215/3	5 ltr	Single Distillation without cut off	18310.00
215/4	5 ltr	Single Distillation with thermal sensor auto cut off	23700.00
215/5	10 ltr	Single Distillation without cut off	21850.00
215/6	10 ltr	Single Distillation with thermal sensor auto cut off	28660.00
215/7	3 ltr	Double Distillation without cut off	32170.00
215/8	3 ltr	Double Distillation with thermal sensor auto cut off	37710.00
215/9	5 ltr	Double Distillation without cut off	34550.00
215/10	5 ltr	Double Distillation with thermal sensor auto cut off	41250.00
215/11	10 ltr	Double Distillation without cut off	40480.00
215/12	10 ltr	Double Distillation with thermal sensor auto cut off	48560.00
215/13	3 ltr	Tripple Distillation without cut off	46840.00
215/14	3 ltr	Tripple Distillation with thermal sensor auto cut off	52980.00
215/15	5 ltr	Tripple Distillation without cut off	50160.00
215/16	5 ltr	Tripple Distillation with thermal sensor auto cut off	57000.00
215/17	10 ltr	Tripple Distillation without cut off	61900.00
215/18	10 ltr	Tripple Distillation with thermal sensor auto cut off	67410.00



## 216

### Spares for above Distillation Unit

Cat. No.	Description	Price / Piece
216/1	Flask with heater 3 Litre	8650.00
216/2	Flask with heater 5 Litre	9540.00
216/3	Flask with heater 10 Litre	13980.00
216/4	Condenser for 3 Litre Distillation with 40/38 Cone	3080.00
216/5	Condenser for 5 Litre Distillation with 40/38 Cone	3190.00
216/6	Condenser for 10 Litre Distillation with 50/42 Cone	3440.00
216/7	Automatic thermal sensor cut off for Single Distillation	8090.00
216/8	do- for Double Distillation	8400.00
216/9	do- for Tripple Distillation	9400.00
216/10	Receiving tube for condensor	590.00
216/11	Water Softner suitable for above Distillations	18000.00

Installation charges 4500.00 extra.

# DISTILLATION

## 217 Water Still

Comprises of a horizontal Borosilicate glass boiler fitted with a 3KW chromium plated immersion heater with cut off, high efficiency coil condenser ensure a reliable output of single distillate. The still is fitted on a sheet metal epoxy coated stand, suitable for bench or wall mounting. For use on 220/240 V. 50/60 Hz single phase supply. As per Picture. Distillate output: 4 Litres/hr Approx, ph: 5 to 6.5 Pyrogen free.

Cat. No.	Price / Piece
217/1	26450.00

**Note:** ph & conductivity and sensitivity are affected by temperature and the presence of absorbed carbon dioxide. The basis of tests are at 20°C on distilled water free of carbon dioxide. Care is needed to obtain pyrogen free water and the distillate must be tested before use. Pretreated input water (use of softner) is recommended for obtaining better results and to increase the still life.

## 218 Spares for above Distillation Unit

Cat. No.	Description	Price / Piece
218/1	Boiler for Water still	12200.00
218/2	Condenser for Water Still	7680.00
218/3	Heater 3KW fitted with thermostat	7780.00

Installation charges 5000.00 extra.



## 219

### Single Stage Water Distillation Unit

The apparatus consists of a boiler made from high purity quartz with built in heater and bottom discharge joint for easy cleaning of deposits. A spiral condenser is fitted on the boiler with receiving adapter. The unit comes with safety Control Unit (Optional) to protect the Glass parts in case of water failur or overheating.

Conductivity	<3 $\mu$ S/cm with Borosilicate Condenser <2 $\mu$ S/cm with Quartz Condenser
Distilled water Quality	Pyrogen Free
Distillate Temperature	50-60°C

#### Advanced features:

Distillate is pyrogen free also it is free of heavy metals  
Switch on time is less than minute providing distilled water instantly.  
Low maintenance is required.

### Single Stage Distillation with Borosilicate Glass Condenser

Cat. No.	Output (mL)	Cooling Water Consumption (ltr/hr)	Power Rating (KW)	Price / Piece
219/1	2.5 ltr/hr	35 ltr/hr	2.0 KW	38800.00
219/2	5 ltr/hr	65 ltr/hr	4.4 KW	66000.00
219/3	10 ltr/hr	120 ltr/hr	9.0 KW	145000.00

## 220

### Single Stage Distillation with Quartz Condenser

Cat. No.	Output (mL)	Cooling Water Consumption (ltr/hr)	Power Rating (KW)	Price / Piece
220/1	2.5 ltr/hr	35 ltr/hr	2.0 KW	60600.00
220/1	5 ltr/hr	65 ltr/hr	4.4 KW	109000.00

## 221

### Spares for above Distillation Units

Cat. No.	Description	Capacity	Price / Piece
221/1	Quartz Boiler	2.5	28500.00
221/2	Quartz Boiler	5.0	44100.00
221/3	Borosilicate Condenser	2.5	5250.00
221/4	Borosilicate Condenser	5.0	10380.00
221/5	Quartz Condenser	2.5	28300.00
221/6	Quartz Condenser	5.0	45500.00

## 222

### Safety Cut off Device

Automatic Thermal Sensor Safety Cut off Device which switches off the distillation unit in case of water failure or overheating

Cat. No.	Description	Capacity ltr/hr	Price / Piece
222/1	Safety Cut off with thermal sensors	2.5	11900.000
222/2	Safety Cut off with thermal sensors	5.0	13380.000
222/3	Safety Cut off with thermal sensors	10.0	31000.000

Note: Safety Cut off Device for Cat. No. 219 & 220  
Installation Charges 5000 Extra.





## 223

### All Quartz Double Distillation (Horizontal Model)

#### Features:

- Replaceable Silica Heater: The horizontal quartz jacket is fitted with removable silica heater and screw threaded connectors for ease of cleaning.
- Distillate temperature is approx. between 25° to 45°C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Flon Stop cork should be provided for easy draining, cleaning and maintenance.

#### Additional In-built Safety Features:

- Gate Valve: Conserves cooling water wastage in case of power failure.
- Flow Switch: In- built safety feature for the equipment unit shut off in case of cooling water failure.
- Temperature switch: The boiler is equipped with a safety temperature switch which shuts off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages.
- This new dual-safety cut off has been designed for better and accurate control of the distillation unit. It has been incorporated with advanced microprocessor based electronic circuit. This has the latest electronic technology that has been introduced by our company which gives an easy user machine interaction.
- The alpha numeric LCD which has been used shows all messages that correspond to the running of the machine. Also there is an alarm system which beeps as and when user attention is required.

### Double distillate Quality

Parameters	Values
Specific Conductivity	0.1-0.5 $\mu$ s/cm
Biological Activity (distillate quality)	Pyrogen Free
pH	6.9-7
Organic Matter	Nil
Total Solids	0.1 mg/ltr
Silica	<0.01 mg/ltr

All parameters are under standard test conditions.

We recommend a Quartz Reservoir for storage of High Purity Water.

### Single Stage Distillation with Borosilicate Glass Condenser

Cat. No.	Output (mL)	Cooling Water Consumption (ltr/hr)	Power Rating (KW)	Price / Piece
223/1	1.5 ltr/hr	50 ltr/hr	3.0 kw	122100.00
223/2	2.5 ltr/hr	70 ltr/hr	5.0 kw	187500.00
223/3	4.0 ltr/hr	120 ltr/hr	8.0 kw	300200.00
223/4	5.0 ltr/hr	150 ltr/hr	9.0 kw	347000.00

**NOTE:** 223/3, 223/4 Are With 3 Phase Power Supply

## 224

### Horizontal Single Stage Quartz Distillation, Horizontal Quartz Boiler fitted

With removable Silica sheathed (Quartz) heater and coil condenser with complete stand, Clamp etc. Conductivity of Distilled water produced is 1-1.5 $\mu$  s cm<sup>-1</sup>, with Borosilicate Condenser and 0.5-0.8 $\mu$  S cm<sup>-1</sup> with Quartz Condenser, pH 6-7, Screw threaded connectors are provided for easy cleaning when scaling is formed.

**All parts are Replaceable.**

**With Auto Safety cut off**

### Single Stage Distillation with Borosilicate Glass Condenser

Cat. No.	Boiler Type	Condenser Type	Output per Hr. (approx.)	Power Rating	Price / Piece
224/1	Quartz	Borosilicate	2 ltr.	1.7 kw.	59800.00
224/1A	Quartz	Quartz	2 ltr.	1.7 kw.	81750.00
224/2	Quartz	Borosilicate	5 ltr.	3.5 kw.	67580.00
224/2A	Quartz	Quartz	5 ltr.	3.5 kw.	121680.00



## 225

### Water Softner

It softens the hard water and provides good quality water for use in laboratories.

It helps to remove all the calcium and magnesium ions in hard water and the soft water thus obtained has hardness less than 5 ppm as CaCO<sub>3</sub>. It is specially designed for easy serviceability and recharging the resin with sodium chloride solution. The softened water can be used as feed water to the Distillation Units. The use of hard water in boilers, would leave the boiler with a lot of scaling and sedimentation, hence to improve the quality of the distillate and for longer life of the glass/ Quartz boilers, it is recommended to use softened.

Cat. No.	Price / Piece
225/1	18000.00



# Extraction Apparatus

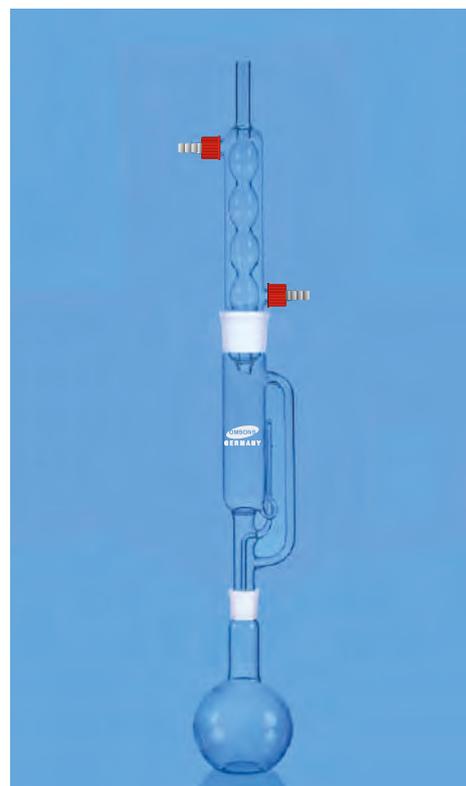


## 304

### Extractor Apparatus

- Compliance with IS 10640
- Complete with condenser & flasks.
- Condenser : Allihin

Cat. No.	Extractor Cap. (mL)	Extractor Socket	Extractor Cone	Flask Cap. (mL)	Connector	Pack of	Price / Piece
304/1	20	24/29	19/26	50	Screw Thread	1	1200.00
304/2	40	29/32	24/29	100	Screw Thread	1	1350.00
304/3	60	34/35	24/29	150	Screw Thread	1	1400.00
304/4	100	34/35	24/29	250	Screw Thread	1	1500.00
304/5	100	40/38	24/29	250	Screw Thread	1	1600.00
304/6	200	50/42	24/29	500	Screw Thread	1	2210.00
304/7	400	50/42	24/29	1000	Screw Thread	1	3110.00
304/8	600	50/42	24/29	2000	Screw Thread	1	3850.00
304/9	1000	55/44	34/35	3000	Screw Thread	1	6660.00
304/10	2000	55/44	34/35	5000	Screw Thread	1	12350.00
304/11	3000	55/44	34/35	10000	Screw Thread	1	16500.00



## 305

### Extractor

- Compliance with IS 10640
- Use for Extractor Apparatus.

Cat. No.	Capacity (mL)	Socket	Cone	Pack of	Price / Piece
305/1	20	24/29	19/26	1	500.00
305/2	40	29/32	24/29	1	580.00
305/3	60	34/35	24/29	1	740.00
305/4	100	34/35	24/29	1	780.00
305/5	100	40/38	24/29	1	800.00
305/6	200	50/42	24/29	1	1180.00
305/7	400	50/42	24/29	1	1570.00
305/8	600	50/42	24/29	1	1780.00
305/9	1000	55/44	34/35	1	2760.00
305/10	2000	55/44	34/35	1	6720.00
305/11	3000	55/44	34/35	1	7890.00



# EXTRACTION APPARATUS



## 307A

### Condensers Allihin for Soxhlet Apparatus

- Manufactured from boro 3.3 Glass.
- This condenser come with plastic screw thread connector.

Cat. No.	Cone	Effective Cone Length (mm)	Extractor (mL)	Connector	Pack of	Price / Piece
307A/1	34/35	300	100	Screw Thread	1	760.00
307A/2	45/40	400	250	Screw Thread	1	1090.00
307A/3	50/42	400	500	Screw Thread	1	1550.00
307A/4	55/44	400	1000	Screw Thread	1	1980.00



## 306

### Glass Weighing Scoop

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

Cat. No.	Capacity (mL)	Pack of	Price / Piece
306/1	1	10	200.00
306/2	2	10	200.00
306/3	3	10	200.00
306/4	6	10	220.00
306/5	10	10	230.00



# Flasks Volumetric



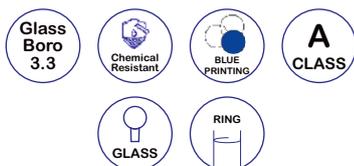
# VOLUMETRIC FLASK



## 50 Volumetric Flask, Class 'A'

- Compliance with DIN/ISO 1042 standard.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Neck Size	Tolerance (±mL)	Pack of	Price / Piece
50/1	1	10/19	0.025	2	300.00
50/2	2	10/19	0.025	2	300.00
50/3	5	10/19	0.025	1	224.00
50/4	10	10/19	0.025	1	236.00
50/5	20	10/19	0.04	1	260.00
50/6	25	10/19	0.04	1	260.00
50/7	50	12/21	0.06	1	248.00
50/8	100	14/23	0.1	1	332.00
50/9	150	14/23	0.1	1	380.00
50/10	200	14/23	0.15	1	442.00
50/11	250	14/23	0.15	1	454.00
50/12	500	19/26	0.25	1	700.00
50/13	1000	24/29	0.4	1	1080.00
50/14	2000	29/32	0.6	1	2150.00
50/15	5000	34/35	1.2	1	10300.00



- \* Blue Ring Optional
- \* Also available with QR Code & Colour Code

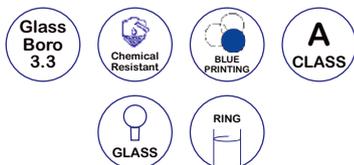


## 51 Volumetric Flask, Class 'A' with NABL

- Compliance with DIN/ISO 1042 standard.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 27°C & 20°C.



Cat. No.	Capacity (mL)	Neck Size	Tolerance (±mL)	Pack of	Price / Piece
51/1	1	10/19	0.025	2	490.00
51/2	2	10/19	0.025	2	490.00
51/3	5	10/19	0.025	2	500.00
51/4	10	10/19	0.025	2	500.00
51/5	20	10/19	0.04	2	510.00
51/6	25	10/19	0.04	2	510.00
51/7	50	12/21	0.06	2	530.00
51/8	100	14/23	0.1	2	540.00
51/9	150	14/23	0.1	2	570.00
51/10	200	14/23	0.15	2	620.00
51/11	250	14/23	0.15	2	620.00
51/12	500	19/26	0.25	2	850.00
51/13	1000	24/29	0.4	2	1350.00
51/14	2000	29/32	0.6	1	2300.00
51/15	5000	34/35	1.2	1	12000.00



- \* Blue Ring Optional
- \* Also available with QR Code & Colour Code

## 52 Volumetric Flask, Class 'B'

- Compliance with DIN/ISO 1042 standard.
- Accuracy as per **Class 'B'**.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 27°C.

Cat. No.	Capacity (mL)	Neck Size	Tolerance (±mL)	Pack of	Price / Piece
52/1	1	10/19	0.05	2	110.00
52/2	2	10/19	0.05	2	110.00
52/3	5	10/19	0.05	2	110.00
52/4	10	10/19	0.05	2	110.00
52/5	20	10/19	0.08	2	138.00
52/6	25	10/19	0.08	2	138.00
52/7	50	12/21	0.12	2	160.00
52/8	100	14/23	0.20	2	170.00
52/9	150	14/23	0.20	2	250.00
52/10	200	14/23	0.30	2	240.00
52/11	250	14/23	0.30	2	240.00
52/12	500	19/26	0.50	2	380.00
52/13	1000	24/29	0.80	2	610.00
52/14	2000	29/32	1.20	1	1280.00
52/15	5000	34/35	2.50	1	7600.00

\* Blue Ring Optional

\* Also available with QR Code & Colour Code



## 53 Volumetric Flask, Class 'A'

- Compliance with **USP** (United States Pharmacopia) standard.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 20°C.



Cat. No.	Capacity (mL)	Neck Size	Tolerance (±mL)	Pack of	Price / Piece
53/1	5	10/19	0.020	1	422.00
53/2	10	10/19	0.020	1	422.00
53/3A	20	10/19	0.030	1	410.00
53/3	25	10/19	0.030	1	410.00
53/4	50	12/21	0.050	1	426.00
53/5	100	14/23	0.080	1	450.00
53/6	200	14/23	0.100	1	580.00
53/7	250	14/23	0.120	1	580.00
53/8	500	19/26	0.150	1	828.00
53/9	1000	24/29	0.300	1	1088.00
53/10	2000	29/32	0.500	1	2400.00

\* Blue Ring Optional

\* Also available with QR Code & Colour Code



# VOLUMETRIC FLASK



## 54 Volumetric Flask, Class 'A' with NABL

- Compliance with **USP** (United States Pharmacopia) standard.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 20°C.



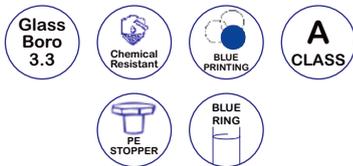
Cat. No.	Capacity (mL)	Neck Size	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
54/1	5	10/19	0.020	1	570.00
54/2	10	10/19	0.020	1	580.00
54/3A	20	10/19	0.030	1	560.00
54/3	25	10/19	0.030	1	560.00
54/4	50	12/21	0.050	1	570.00
54/5	100	14/23	0.080	1	580.00
54/6	200	14/23	0.100	1	700.00
54/7	250	14/23	0.120	1	700.00
54/8	500	19/26	0.150	1	1000.00
54/9	1000	24/29	0.300	1	1300.00
54/10	2000	29/32	0.500	1	3000.00

- \* Blue Ring Optional
- \* Also available with QR Code & Colour Code



## 55 Volumetric Flask, Wide Mouth, Class 'A'

- Compliance with DIN/ISO 1042 standard.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 27°C



Cat. No.	Capacity (mL)	Neck Size	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
55/1	10	14/23	0.04	1	440.00
55/2	20	14/23	0.06	1	440.00
55/3	25	14/23	0.06	1	430.00
55/4	50	14/23	0.10	1	440.00
55/5	100	19/26	0.10	1	460.00
55/6	200	19/26	0.15	1	590.00
55/7	250	19/26	0.15	1 PE STOPPER	590.00

- \* Blue Ring Optional
- \* Also available with QR Code & Colour Code

## 56

### Volumetric Flask, Wide Mouth, Class 'A' with NABL

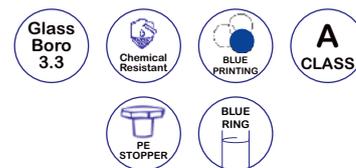
- Compliance with DIN/ISO 1042 standard.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 27°C



Cat. No.	Capacity (mL)	Neck Size	Tolerance (±mL)	Pack of	Price / Piece
56/1	10	14/23	0.04	1	680.00
56/2	20	14/23	0.06	1	680.00
56/3	25	14/23	0.06	1	680.00
56/4	50	14/23	0.10	1	680.00
56/5	100	19/26	0.10	1	720.00
56/6	200	19/26	0.15	1	940.00
56/7	250	19/26	0.15	1	940.00

\* Blue Ring Optional

\* Also available with QR Code & Colour Code



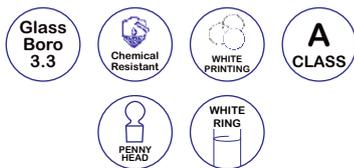
## 57

### PP Stopper for Volumetric Flasks



Cat.No.	Interchangeable Stopper Size	Pack of	Price / Piece
57/1	10/19	10	12.00
57/2	12/21	10	18.00
57/3	14/23	10	18.00
57/4	19/26	10	20.00
57/5	24/29	10	30.00
57/6	29/32	10	42.00
57/7	34/35	10	54.00

# VOLUMETRIC FLASK

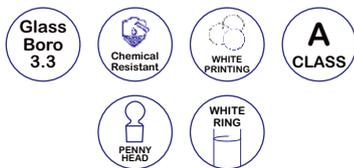


## 58 Volumetric Flask, Amber, Class 'A'

- Compliance with DIN/ISO 1042 standard.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper
- Calibrated at 27°C & 20°C.

Cat. No.	Capacity (mL)	Neck Size	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
58/1	1	10/19	0.025	2	400.00
58/2	2	10/19	0.025	2	400.00
58/3	5	10/19	0.025	1	410.00
58/4	10	10/19	0.025	1	422.00
58/5	20	10/19	0.04	1	440.00
58/6	25	10/19	0.04	1	440.00
58/7	50	12/21	0.06	1	450.00
58/8	100	14/23	0.1	1	480.00
58/9	150	14/23	0.1	1	600.00
58/10	200	14/23	0.15	1	650.00
58/11	250	14/23	0.15	1	650.00
58/12	500	19/26	0.25	1	1080.00
58/13	1000	24/29	0.4	1	1580.00
58/14	2000	29/32	0.6	1	2770.00
58/15	5000	34/35	1.2	1	16880.00

- \* White Ring Optional
- \* Also available with QR Code & Colour Code



## 59 Volumetric Flask, Amber, Class 'A' with NABL

- Compliance with DIN/ISO 1042 standard.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 27°C



Cat. No.	Capacity (mL)	Neck Size	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
59/1	1	10/19	0.025	2	600.00
59/2	2	10/19	0.025	2	600.00
59/3	5	10/19	0.025	1	650.00
59/4	10	10/19	0.025	1	660.00
59/5	20	10/19	0.04	1	680.00
59/6	25	10/19	0.04	1	680.00
59/7	50	12/21	0.06	1	700.00
59/8	100	14/23	0.1	1	750.00
59/9	150	14/23	0.1	1	800.00
59/10	200	14/23	0.15	1	1000.00
59/11	250	14/23	0.15	1	1000.00
59/12	500	19/26	0.25	1	1400.00
59/13	1000	24/29	0.4	1	1980.00
59/14	2000	29/32	0.6	1	3400.00
59/15	5000	34/35	1.2	1	19000.00

- \* White Ring Optional
- \* Also available with QR Code & Colour Code

## 60

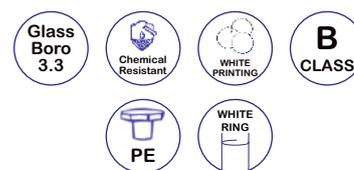
### Volumetric Flask, Amber, Class 'B'

- Compliance with DIN/ISO 1042 standard.
- Accuracy as per **Class 'B'**.
- Printed in Amber/Blue/White
- With Glass Stopper.

Cat. No.	Capacity (mL)	Neck Size	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
60/1	1	10/19	0.05	2	222.00
60/2	2	10/19	0.05	2	222.00
60/3	5	10/19	0.05	2	248.00
60/4	10	10/19	0.05	2	260.00
60/5	20	10/19	0.08	2	302.00
60/6	25	10/19	0.08	2	302.00
60/7	50	12/21	0.12	2	332.00
60/8	100	14/23	0.20	2	368.00
60/9	200	14/23	0.30	2	550.00
60/10	250	14/23	0.30	2	550.00
60/11	500	19/26	0.50	2	980.00
60/12	1000	24/29	0.80	2	1290.00
60/13	2000	29/32	1.20	1	2580.00
60/14	5000	34/35	2.50	1	9600.00

\* White Ring Optional

\* Also available with QR Code & Colour Code



## 60A

### Volumetric Flask, Wide Mouth, Amber, Class 'A'

- Compliance with DIN/ISO 1042 standard.
- With Individual **Class 'A'** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 27°C

Cat. No.	Capacity (mL)	Neck Size	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
60A/1	10	14/23	0.04	1	580.00
60A/2	20	14/23	0.06	1	580.00
60A/3	25	14/23	0.06	1	580.00
60A/4	50	14/23	0.10	1	560.00
60A/5	100	19/26	0.10	1	590.00
60A/6	200	19/26	0.15	1	750.00
60A/7	250	19/26	0.15	1	780.00

\* White Ring Optional

\* Also available with QR Code & Colour Code



# VOLUMETRIC FLASK



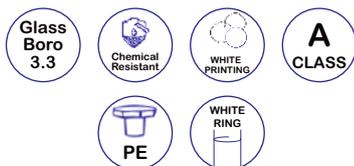
## 60B

### Volumetric Flask, Wide Mouth Amber, Class 'A' with NABL

- Compliance with DIN/ISO 1042 standard.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber/Blue/White
- With Glass and Plastic Stopper.
- Calibrated at 27°C.



Cat. No.	Capacity (mL)	Neck Size	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
60B/1	10	14/23	0.025	1	880.00
60B/2	20	14/23	0.04	1	880.00
60B/3	25	14/23	0.04	1	880.00
60B/4	50	14/23	0.06	1	860.00
60B/5	100	19/26	0.10	1	890.00
60B/6	200	19/26	0.15	1	950.00
60B/7	250	19/26	0.15	1	950.00



- \* White Ring Optional
- \* Also available with QR Code & Colour Code



## 52P

### Volumetric Flask

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

Cat. No.	Capacity (mL)	Pack of	Price / Piece
52P/1	25	1	106.00
52P/1	50	1	158.00
52P/1	100	1	176.00
52P/1	250	1	220.00
52P/1	500	1	308.00
52P/1	1000	1	484.00



## 62

### Flask, Volumetric, Sugar Estimation, Class 'A'

- Compliance with BS 675:1953 standard.
- With Individual **Class 'A'** Certificate.
- Printed in Amber colour.
- A two mark Flask designed for the analysis of sugar solutions
- Calibrated at 27°C.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
62/2	marked at 100/110	2	410.00
62/3	marked at 200/220	2	480.00

- \* Blue Ring Optional
- \* Also available with QR Code & Colour Code



## 63

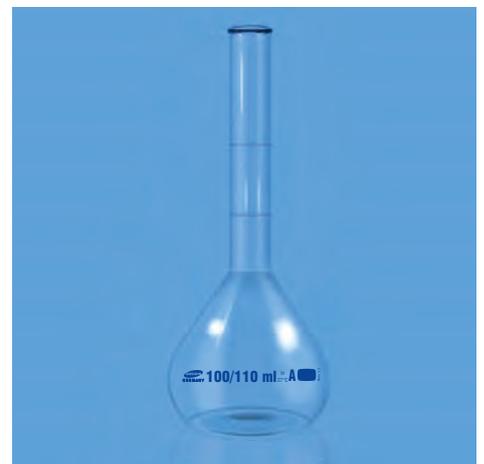
### Flask, Volumetric, Sugar Estimation, Class 'A' NABL

- Compliance with BS 675:1953 standard.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber/Blue/White
- A two mark Flask designed for the analysis of sugar solutions
- Calibrated at 27°C.

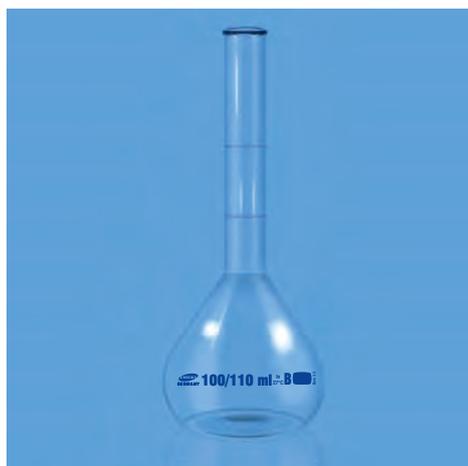


Cat. No.	Capacity (mL)	Pack of	Price / Piece
63/2	marked at 100/110	2	550.00
63/3	marked at 200/220	2	680.00

- \* Blue Ring Optional
- \* Also available with QR Code & Colour Code



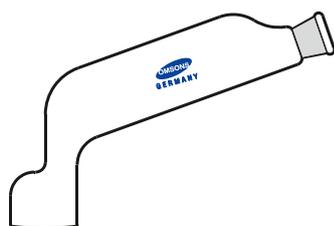
# VOLUMETRIC FLASK



## 64 Flask, Volumetric, Sugar Estimation, Class 'B'

- Compliance with BS 675:1953 standard.
- Accuracy as per **Class 'B'**.
- Printed in Amber/Blue/White
- A two mark Flask designed for the analysis of sugar solutions
- Calibrated at 27°C.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
64/2	marked at 100/110	2	260.00
64/3	marked at 200/220	2	320.00



## 60 Mojonnier Flask as per ISI Specifications.

60/15	500.00
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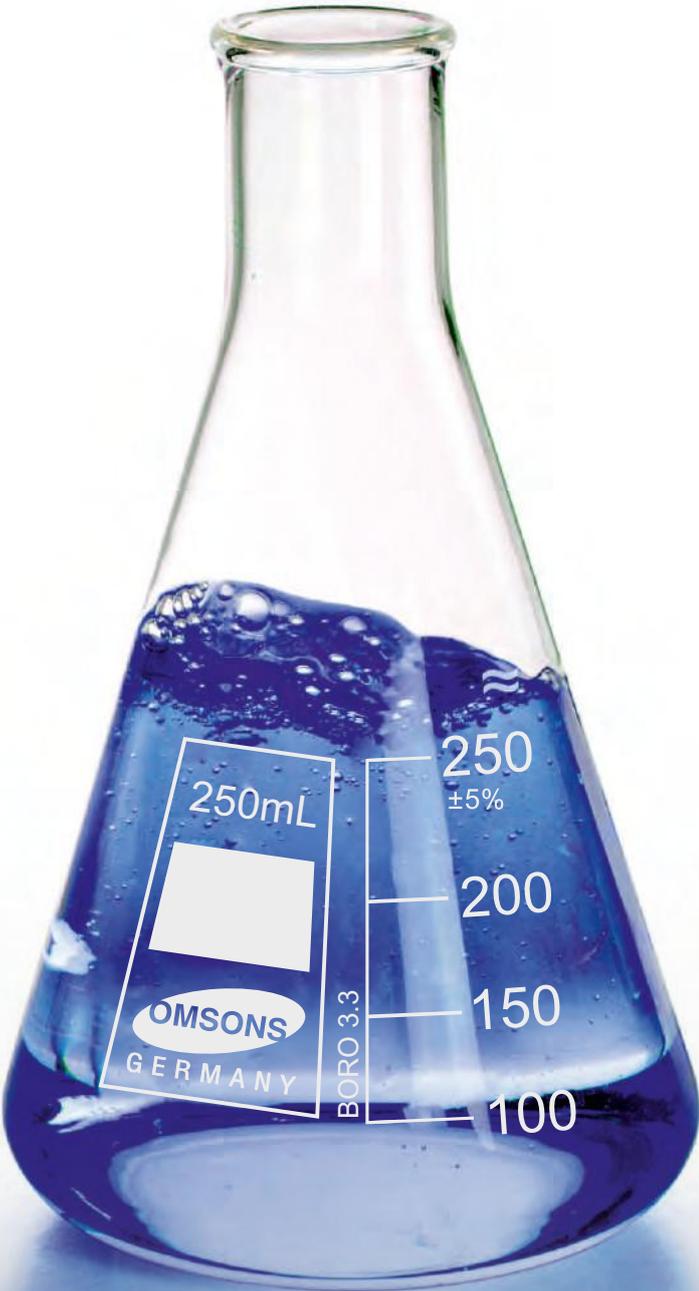
## 61 Volumetric Flask Safety Ring (Rider)



HSN : 40169990

Cat. No.	Rider/Ring Size	Qty/Pack	Price/Piece
61/1	10	10	52.00
61/2	25	10	52.00
61/3	50	10	66.00
61/4	100	10	130.00
61/5	250	10	140.00
61/6	500	10	300.00
61/7	1000	5	550.00

# Flasks





## 115

### Flasks Boiling, Round Bottom, Single Neck with Joint.

- Made from IS 1381/ISO 1773
- Borosilicate 3.3 heat resistance glass.

Cat. No.	Capacity (mL)	Socket Size	Pack of	Price / Piece
115/1	5	10/19	10	100.00
115/2	5	14/23	10	100.00
115/3	10	10/19	10	100.00
115/4	10	14/23	10	100.00
115/5	25	14/23	10	130.00
115/6	25	19/26	10	130.00
115/7	25	24/29	10	140.00
115/8	50	14/23	10	140.00
115/9	50	19/26	10	150.00
115/10	50	24/29	10	150.00
115/11	50	34/35	10	170.00
115/12	100	14/23	10	180.00
115/13	100	19/26	10	180.00
115/14	100	24/29	10	180.00
115/15	100	34/35	02	200.00
115/16	150	19/26	10	200.00
115/17	150	24/29	10	200.00
115/18	150	29/32	02	200.00
115/19	150	34/35	02	220.00
115/20	250	19/26	10	226.00
115/21	250	24/29	10	226.00
115/22	250	29/32	02	226.00
115/23	250	34/35	02	238.00
115/24	500	19/26	02	310.00
115/25	500	24/29	02	310.00
115/26	500	29/32	02	310.00
115/27	500	34/35	02	330.00
115/28	1000	24/29	02	440.00
115/29	1000	29/32	02	440.00
115/30	1000	34/35	02	460.00
115/31	2000	24/29	02	1190.00
115/32	2000	29/32	02	1190.00
115/33	2000	34/35	02	1190.00
115/34	3000	24/29	01	2196.00
115/35	3000	34/35	01	2196.00
115/36	3000	40/38	01	2210.00
115/37	5000	24/29	01	3380.00
115/38	5000	34/35	01	3380.00
115/39	5000	40/38	01	3380.00
115/40	5000	45/40	01	3380.00
115/41	5000	50/42	01	3380.00
115/42	10000	34/35	01	6600.00
115/43	10000	40/38	01	6600.00
115/44	10000	45/40	01	6600.00
115/45	10000	50/42	01	6600.00
115/46	10000	55/44	01	6600.00
115/47	20000	40/38	01	12100.00
115/48	20000	50/42	01	12100.00
115/49	20000	55/44	01	12100.00

# 116

## Flasks Boiling, Flat Bottom, Single Neck with Joint.

- Made from IS 1381/ ISO 1773
- Borosilicate 3.3 heat resistance glass.



Cat. No.	Capacity (mL)	Socket Size	Pack of	Price / Piece
116/1	5	10/19	10	100.00
116/2	5	14/23	10	100.00
116/3	10	10/19	10	100.00
116/4	10	14/23	10	100.00
116/5	25	14/23	10	130.00
116/6	25	19/26	10	130.00
116/7	25	24/29	10	140.00
116/8	50	14/23	10	150.00
116/9	50	19/26	10	150.00
116/10	50	24/29	10	170.00
116/11	50	34/35	10	180.00
116/12	100	14/23	10	180.00
116/13	100	19/26	10	180.00
116/14	100	24/29	10	200.00
116/15	100	34/35	02	200.00
116/16	150	19/26	10	200.00
116/17	150	24/29	10	200.00
116/18	150	29/32	02	220.00
116/19	150	34/35	02	220.00
116/20	250	19/26	10	226.00
116/21	250	24/29	10	226.00
116/22	250	29/32	02	226.00
116/23	250	34/35	02	238.00
116/24	500	19/26	02	310.00
116/25	500	24/29	02	310.00
116/26	500	29/32	02	310.00
116/27	500	34/35	02	330.00
116/28	1000	24/29	02	440.00
116/29	1000	29/32	02	440.00
116/30	1000	34/35	02	460.00
116/31	2000	24/29	02	1190.00
116/32	2000	29/32	02	1190.00
116/33	2000	34/35	02	1190.00
116/34	3000	24/29	01	2196.00
116/35	3000	34/35	01	2196.00
116/36	3000	40/38	01	2210.00
116/37	5000	24/29	01	3380.00
116/38	5000	34/35	01	3380.00
116/39	5000	40/38	01	3380.00
116/40	5000	45/40	01	3380.00
116/41	5000	50/42	01	3380.00
116/42	10000	34/35	01	6600.00
116/43	10000	40/38	01	6600.00
116/44	10000	45/40	01	6600.00
116/45	10000	50/42	01	6600.00
116/46	10000	55/44	01	6600.00
116/47	20000	40/38	01	12100.00
116/48	20000	50/42	01	12100.00
116/49	20000	55/44	01	12100.00



## 117

### Flasks Boiling, Round Bottom, Single Neck with Joint, Amber

- Made from IS 1381/ISO 1773
- Borosilicate 3.3 heat resistance glass.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
117/1	25	10	380.00
117/2	50	10	390.00
117/3	100	10	510.00
117/4	150	6	590.00
117/5	250	4	688.00
117/6	500	2	980.00
117/7	1000	2	1180.00
117/8	2000	2	1850.00



## 118

### Flasks Boiling, Flat Bottom, Single Neck with Joint, Amber

- Made from IS 1381/ISO 1773
- Borosilicate 3.3 heat resistance glass.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
118/1	25	10	380.00
118/2	50	10	390.00
118/3	100	10	510.00
118/4	150	6	590.00
118/5	250	4	688.00
118/6	500	2	980.00
118/7	1000	2	1180.00
118/8	2000	2	2110.00

## 148

### Flasks Boiling, Round Bottom, Single Neck

- Made from IS 1381/ISO 1773
- Borosilicate 3.3 heat resistance glass.
- With beaded rim.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
148/1	25	10	80.00
148/2	50	10	90.00
148/3	100	10	110.00
148/4	150	6	120.00
148/5	250	4	140.00
148/6	500	2	226.00
148/7	1000	2	350.00
148/8	2000	2	1030.00
148/9	3000	2	1590.00
148/10	5000	2	2700.00
148/11	10000	1	5800.00
148/12	20000	1	11500.00



## 149

### Flasks Boiling, Flat Bottom, Single Neck

- Made from IS 1381/ISO 1773
- Borosilicate 3.3 heat resistance glass.
- With beaded rim.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
149/1	25	10	80.00
149/2	50	10	90.00
149/3	100	10	110.00
149/4	150	6	120.00
149/5	250	4	140.00
149/6	500	2	226.00
149/7	1000	2	350.00
149/8	2000	2	1030.00
149/9	3000	2	1590.00
149/10	5000	2	2700.00
148/11	10000	1	5800.00
148/12	20000	1	11500.00





## 150

### Flasks Boiling, Round Bottom, Single Neck Amber

- Made from IS 1381/ ISO 1773
- Borosilicate 3.3 heat resistance glass.
- With beaded rim.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
150/1	25	10	280.00
150/2	50	10	320.00
150/3	100	10	440.00
150/4	150	6	480.00
150/5	250	4	490.00
150/6	500	2	738.00
150/7	1000	2	998.00
150/8	2000	2	1496.00



## 151

### Flasks Boiling, Flat Bottom, Single Neck Amber

- Made from IS 1381/ ISO 1773
- Borosilicate 3.3 heat resistance glass.
- With beaded rim.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
151/1	25	10	280.00
151/2	50	10	320.00
151/3	100	10	440.00
151/4	150	10	480.00
151/5	250	10	490.00
151/6	500	6	738.00
151/7	1000	6	938.00
151/8	2000	2	1496.00

# 124

## Round Bottom Flask Two Necks, Angular

- One neck is centred and vertical. The side neck is inclined at an angle of 20° to the vertical neck
- Uniform wall thickness distribution and the round-bottom shape make them ideal for heating
- Generally used in distillation and extraction processes
- The shape facilitates uniform heating
- With Interchangeable Joints.



Cat. No.	Capacity (mL)	Socket Size	Side Socket	Pack of	Price / Piece
124/1	25	19/26	14/23	1	240.00
124/2	25	24/29	19/26	1	240.00
124/3	50	19/26	14/23	1	252.00
124/4	50	24/29	19/26	1	252.00
124/5	100	24/29	14/23	1	240.00
124/6	250	24/29	14/23	1	340.00
124/7	250	24/29	19/26	1	340.00
124/8	500	24/29	14/23	1	490.00
124/9	500	24/29	19/26	1	490.00
124/10	1000	34/35	14/23	1	810.00
124/11	1000	34/35	19/26	1	810.00
124/12	1000	24/29	14/23	1	810.00
124/13	1000	24/29	19/26	1	810.00
124/14	2000	34/35	19/26	1	1600.00
124/15	2000	34/35	24/29	1	1600.00
124/16	2000	24/29	19/26	1	1600.00
124/17	2000	24/29	24/29	1	1600.00
124/18	3000	34/35	24/29	1	2800.00
124/19	3000	34/35	19/26	1	2800.00
124/20	3000	34/35	14/23	1	2800.00
124/21	3000	24/29	24/29	1	2800.00
124/22	3000	24/29	19/26	1	2800.00
124/23	3000	24/29	14/23	1	2800.00
124/24	5000	40/38	24/29	1	4210.00
124/25	5000	40/38	19/26	1	4210.00
124/26	5000	40/38	14/23	1	4210.00
124/27	5000	34/35	24/29	1	4210.00
124/28	5000	34/35	19/26	1	4210.00
124/29	5000	34/35	14/23	1	4210.00
124/30	5000	24/29	24/29	1	4210.00
124/31	5000	24/29	19/26	1	4210.00
124/32	5000	24/29	14/23	1	4210.00
124/33	10000	55/44	34/35	1	4210.00
124/34	10000	55/44	24/29	1	7216.00
124/35	10000	55/44	19/26	1	7216.00
124/36	10000	50/42	34/35	1	7216.00
124/37	10000	50/42	24/29	1	7216.00
124/38	10000	50/42	19/26	1	7216.00
124/39	20000	55/44	34/35	1	12500.00
124/40	20000	55/44	24/29	1	12500.00
124/41	20000	55/44	19/26	1	12500.00
124/42	20000	50/42	34/35	1	12500.00
124/43	20000	50/42	24/29	1	12500.00
124/44	20000	50/42	19/26	1	12500.00



## 125

### Round Bottom Flask Two Necks, Parallel

- Both the necks are vertical. One neck is centred, while the other is the side neck
- Uniform wall thickness distribution and the round-bottom shape make them ideal for heating
- Generally used in distillation and extraction processes
- The shape facilitates uniform heating
- With Interchangeable Joints

Cat. No.	Capacity (mL)	Socket Size	Side Socket	Pack of	Price / Piece
125/1	25	19/26	14/23	1	240.00
125/2	25	24/29	19/26	1	240.00
125/3	50	19/26	14/23	1	252.00
125/4	50	24/29	19/26	1	252.00
125/5	100	24/29	14/23	1	240.00
125/6	250	24/29	14/23	1	340.00
125/7	250	24/29	19/26	1	340.00
125/8	500	24/29	14/23	1	490.00
125/9	500	24/29	19/26	1	490.00
125/10	1000	34/35	14/23	1	810.00
125/11	1000	34/35	19/26	1	810.00
125/12	1000	24/29	14/23	1	810.00
125/13	1000	24/29	19/26	1	1600.00
125/14	2000	34/35	19/26	1	1600.00
125/15	2000	34/35	24/29	1	1600.00
125/16	2000	24/29	19/26	1	1600.00
125/17	2000	24/29	24/29	1	2800.00
125/18	3000	34/35	24/29	1	2800.00
125/19	3000	34/35	19/26	1	2800.00
125/20	3000	34/35	14/23	1	2800.00
125/21	3000	24/29	24/29	1	2800.00
125/22	3000	24/29	19/26	1	2800.00
125/23	3000	24/29	14/23	1	2800.00
125/24	5000	40/38	24/29	1	4210.00
125/25	5000	40/38	19/26	1	4210.00
125/26	5000	40/38	14/23	1	4210.00
125/27	5000	34/35	24/29	1	4210.00
125/28	5000	34/35	19/26	1	4210.00
125/29	5000	34/35	14/23	1	4210.00
125/30	5000	24/29	24/29	1	4210.00
125/31	5000	24/29	19/26	1	4210.00
125/32	5000	24/29	14/23	1	4210.00
125/33	10000	55/44	34/35	1	4210.00
125/34	10000	55/44	24/29	1	7216.00
125/35	10000	55/44	19/26	1	7216.00
125/36	10000	50/42	34/35	1	7216.00
125/37	10000	50/42	24/29	1	7216.00
125/38	10000	50/42	19/26	1	7216.00
125/39	20000	55/44	34/35	1	12500.00
125/40	20000	55/44	24/29	1	12500.00
125/41	20000	55/44	19/26	1	12500.00
125/42	20000	50/42	34/35	1	12500.00
125/43	20000	50/42	24/29	1	12500.00
125/44	20000	50/42	19/26	1	12500.00

# 128

## Round Bottom Flask Three Necks, Angula

- The centred neck is vertical. The two side necks are 180° apart and are inclined at an angle of 20° to the vertical neck
- Uniform wall thickness distribution and round-bottom shape make them ideal for heating
- Generally used in distillation and extraction processes.
- The shape facilitates uniform heating.
- With Interchangeable Joints.



Cat. No.	Capacity (mL)	Socket Size	Side Socket	Pack of	Price / Piece
128/1	100	24/29	14/23	1	340.00
128/2	250	24/29	14/23	1	440.00
128/3	250	24/29	19/26	1	440.00
128/4	500	24/29	14/23	1	658.00
128/5	500	24/29	19/26	1	658.00
128/6	1000	24/29	14/23	1	950.00
128/7	1000	24/29	19/26	1	950.00
128/8	1000	34/35	19/26	1	950.00
128/9	2000	24/29	19/26	1	1710.00
128/10	2000	34/35	19/26	1	1710.00
128/11	2000	34/35	24/29	1	1710.00
128/12	3000	34/35	19/26	1	3598.00
128/13	3000	34/35	24/29	1	3598.00
128/14	5000	34/35	19/26	1	4970.00
128/15	5000	40/38	19/26	1	4970.00
128/16	5000	50/42	19/26	1	4970.00
128/17	5000	55/44	19/26	1	4970.00
128/18	5000	34/35	24/29	1	4970.00
128/19	5000	40/38	24/29	1	4970.00
128/20	5000	50/42	24/29	1	4970.00
128/21	5000	55/44	24/29	1	4970.00
128/22	10000	34/35	19/26	1	8484.00
128/23	10000	40/38	19/26	1	8484.00
128/24	10000	50/42	19/26	1	8484.00
128/25	10000	55/44	19/26	1	8484.00
128/26	10000	34/35	24/29	1	8484.00
128/27	10000	50/42	24/29	1	8484.00
128/28	10000	55/44	24/29	1	8484.00
128/29	20000	34/35	19/26	1	14100.00
128/30	20000	50/42	19/26	1	14100.00
128/31	20000	55/44	19/26	1	14100.00
128/32	20000	34/35	19/26	1	14100.00
128/33	20000	34/35	24/29	1	14100.00
128/34	20000	50/42	24/29	1	14100.00
128/35	20000	55/44	24/29	1	14100.00



## 126

### Round Bottom Flask Three Necks, Parallel

- All the three necks are vertical. The two side necks are 180° apart
- Uniform wall thickness distribution and round-bottom shape make them ideal for heating
- Generally used in distillation and extraction processes.
- The shape facilitates uniform heating.
- With Interchangeable Joints.

Cat. No.	Capacity (mL)	Socket Size	Side Socket	Pack of	Price / Piece
126/1	250	24/29	19/26	1	340.00
126/2	500	24/29	14/23	1	440.00
126/3	500	24/29	19/26	1	440.00
126/4	1000	24/29	14/23	1	658.00
126/5	1000	24/29	19/26	1	658.00
126/6	1000	34/35	19/26	1	950.00
126/7	2000	24/29	19/26	1	950.00
126/8	2000	34/35	19/26	1	950.00
126/9	2000	34/35	24/29	1	1710.00
126/10	3000	34/35	19/26	1	1710.00
126/11	3000	34/35	24/29	1	1710.00
126/12	5000	34/35	19/26	1	3598.00
126/13	5000	40/38	19/26	1	3598.00
126/14	5000	50/42	19/26	1	4970.00
126/15	5000	55/44	19/26	1	4970.00
126/16	5000	34/35	24/29	1	4970.00
126/17	5000	40/38	24/29	1	4970.00
126/18	5000	50/42	24/29	1	4970.00
126/19	5000	55/44	24/29	1	4970.00
126/20	10000	34/35	19/26	1	4970.00
126/21	10000	40/38	19/26	1	4970.00
126/22	10000	50/42	19/26	1	8484.00
126/23	10000	55/44	19/26	1	8484.00
126/24	10000	34/35	24/29	1	8484.00
126/25	10000	50/42	24/29	1	8484.00
126/26	10000	55/44	24/29	1	8484.00
126/27	20000	34/35	19/26	1	8484.00
126/28	20000	50/42	19/26	1	8484.00
126/29	20000	55/44	19/26	1	14100.00
126/30	20000	34/35	19/26	1	14100.00
126/31	20000	34/35	24/29	1	14100.00
126/32	20000	50/42	24/29	1	14100.00
126/33	20000	55/44	24/29	1	14100.00

# 131

## Round Bottom Flask Four Necks, Angular

- The centred neck is vertical. All the three side necks are inclined at an angle of 20° to the vertical neck
- The two side necks are 180° apart, and a third side neck is at 90° from the other two necks
- Uniform wall thickness distribution and round-bottom shape make them ideal for heating
- Accessories, thermometer, column, dropping funnels, boiling capillaries, etc. can be fitted depending upon the application
- The shape facilitates uniform heating
- Generally used in distillation and extraction processes
- With Interchangeable Joints



Cat. No.	Capacity (mL)	Socket Size	Side Socket	Pack of	Price / Piece
131/1	100	24/29	14/23	1	550.00
131/2	100	24/29	19/26	1	550.00
131/3	250	24/29	14/23	1	656.00
131/4	250	24/29	19/26	1	656.00
131/5	500	24/29	14/29	1	940.00
131/6	500	24/29	19/26	1	940.00
131/7	500	24/29	24/29	1	940.00
131/8	500	34/35	24/29	1	940.00
131/9	1000	24/29	19/26	1	1244.00
131/10	1000	24/29	19/26	1	1244.00
131/11	1000	24/29	19/26	1	1244.00
131/12	1000	34/35	19/26	1	1244.00
131/13	2000	24/29	14/23	1	2040.00
131/14	2000	24/29	19/26	1	2040.00
131/15	2000	34/35	19/26	1	2040.00
131/16	2000	34/35	24/29	1	2040.00
131/17	3000	34/35	19/26	1	3890.00
131/18	3000	34/35	24/29	1	3890.00
131/19	5000	34/35	19/26	1	5710.00
131/20	5000	34/35	24/29	1	5710.00
131/21	10000	55/44	24/29	1	11200.00
131/22	20000	55/44	24/29	1	16480.00



## 132

### Round Bottom Flask Four Necks, Parallel

- All the four necks are vertical. The two side necks are 180° apart and the third neck is at 90° from the other two necks
- Four Necks, Centre Neck and Three Parallel Side Neck, with Interchangeable Joints.
- Uniform wall thickness distribution and the round-bottom shape make them ideal for heating
- Generally used in distillation and extraction processes.
- The shape facilitates uniform heating.
- With Interchangeable Joints.

Cat. No.	Capacity (mL)	Socket Size	Side Socket	Pack of	Price / Piece
132/1	100	24/29	14/23	1	550.00
132/2	100	24/29	19/26	1	550.00
132/3	250	24/29	14/23	1	656.00
132/4	250	24/29	19/26	1	656.00
132/5	500	24/29	14/29	1	940.00
132/6	500	24/29	19/26	1	940.00
132/7	500	24/29	24/29	1	940.00
132/8	500	34/35	24/29	1	940.00
132/9	1000	24/29	19/26	1	1244.00
132/10	1000	24/29	19/26	1	1244.00
132/11	1000	24/29	19/26	1	1244.00
132/12	1000	34/35	19/26	1	1244.00
132/13	2000	24/29	14/23	1	2040.00
132/14	2000	24/29	19/26	1	2040.00
132/15	2000	34/35	19/26	1	2040.00
132/16	2000	34/35	24/29	1	2040.00
132/17	3000	34/35	19/26	1	3830.00
132/18	3000	34/35	24/29	1	3890.00
132/19	5000	34/35	19/26	1	5710.00
132/20	5000	34/35	24/29	1	5710.00
132/21	10000	55/44	24/29	1	11200.00
132/22	20000	55/44	24/29	1	16480.00



## 133

### Flasks Pear Shape,

Suitable for Rotary Evaporators with Ground Socket.

Cat. No.	Capacity (mL)	Socket Size	Pack of	Price / Piece
133/1	25	29/32	10	320.00
133/2	50	29/32	10	360.00
133/3	100	29/32	10	480.00
133/4	250	29/32	10	580.00
133/5	500	29/32	6	780.00
133/6	800	29/32	4	1140.00
133/7	1000	29/32	4	1380.00
133/8	2000	29/32	4	2400.00

## 134

### Flask, Pear shape.

- The conical shape makes them ideal for small scale reaction
- Large labelling field

Cat. No.	Capacity (mL)	Socket Size	Pack of	Price / Piece
134/1	5	24/29	1	90.00
134/2	10	24/29	1	110.00
134/3	10	24/29	1	110.00
134/4	25	24/29	1	140.00
134/5	25	24/29	1	140.00
134/6	50	29/32	1	186.00
134/7	50	29/32	1	186.00
134/8	100	29/32	1	240.00
134/9	100	29/32	1	240.00
134/10	100	29/32	1	250.00



## 135

### Flask, Pear shape with two Neck

- Borosilicate 3.3 heat resistance glass.
- Complies with DIN 12383.
- Side neck at an angle of 25°.

Cat. No.	Capacity (mL)	Socket Size	Side Socket	Pack of	Price / Piece
135/1	25	14/23	14/23	6	224.00
135/2	50	14/23	14/23	6	290.00
135/3	100	14/23	14/23	6	320.00





## 136 Flasks Filtering,

- Borosilicate Glass 3.3
- These flasks are blown in special moulds
- The shape is designed to impart maximum mechanical strength
- The neck finish is designed for strength and to ensure good stopper fit

Cat. No.	Capacity (mL)	Pack of	Price / Piece
136/1	50	10	180.00
136/2	100	10	260.00
136/3	250	10	438.00
136/4	500	6	540.00
136/5	1000	1	956.00
136/6	2000	1	1628.00
136/7	5000	1	6076.00
136/8	10000	1	10240.00
136/9	20000	1	10220.00



## 143 Flask Conical, with Interchangeable Stopper.

Cat. No.	Capacity (mL)	Socket Size	Pack of	Price / Piece
143/1	25	14/23	10	180.00
143/2	50	19/26	10	200.00
143/3	100	24/29	10	250.00
143/4	150	24/29	6	290.00
143/5	250	24/29	10	294.00
143/6	500	24/29	6	416.00
143/7	1000	24/29	2	620.00
143/8	2000	34/35	2	1400.00

## 144

**Flask Conical, Amber Colour,** with Interchangeable Stopper.

Cat. No.	Capacity (mL)	Socket Size	Pack of	Price / Piece
144/1	25	14/23	10	290.00
144/2	50	19/26	10	300.00
144/3	100	24/29	10	376.00
144/4	150	24/29	10	400.00
144/5	250	24/29	10	464.00
144/6	500	24/29	6	680.00

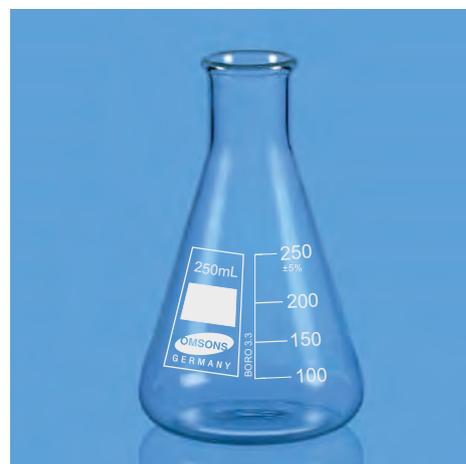


## 145

**Flask, Erlenmeyer,** Graduated, Conical, With Narrow Mouth

- Uniform wall thickness distribution makes these flasks ideal for heating.
- The conical form makes them suitable for mixing liquids.
- The easy-to-read scale and large labeling field facilitate easy marking.

Cat. No.	Capacity (mL)	Approx O.D. X Height mm	Approx Neck O.D. mm	Pack of	Price / Piece
145/1	25	42 x 75	22	10	80.00
145/2	50	51 x 90	22	10	80.00
145/3	100	64 x 105	26	10	86.00
145/4	150	74 x 118	28	10	98.00
145/5	250	85 x 145	34	10	130.00
145/6	500	105 x 180	34	6	190.00
145/7	1000	131 x 220	42	2	346.00
145/8	2000	166 x 280	48	1	980.00
145/9	3000	187 x 310	48	1	1550.00
145/10	5000	220 x 365	50	1	2600.00





## 145A

### Flasks, Conical (Erlenmeyer) Wide Mouth

- Made from ASTM E-438 Type 1, Boro 3.3 heat resistance glass.
- Compliance with ISO 24450.
- All the flasks are printed in white enamel.
- Has Reinforced thick Rim to reduce chipping & breakage.

Cat. No.	Capacity (mL)	D1 × D2 × Height (mm)	Pack of	Price / Piece
145A/1	100	70 × 34 × 110	10	120.00
145A/2	250	85 × 50 × 140	10	180.00
145A/3	500	105 × 50 × 175	10	250.00
145A/4	1000	120 × 56 × 220	10	430.00



## 146

### Flask, Erlenmeyer, Amber Colour, Graduated, Conic

- Uniform wall thickness distribution makes these flasks ideal for heating.
- The conical form makes them suitable for mixing liquids.
- The easy-to-read scale and large labeling field facilitate easy marking.

Cat. No.	Capacity (mL)	Approx O.D. X Height mm	Approx Neck O.D. mm	Pack of	Price / Piece
145/1	25	42 x 75	22	10	180.00
145/2	50	51 x 90	22	10	180.00
145/3	100	64 x 105	26	10	190.00
145/4	150	74 x 118	28	10	220.00
145/5	250	85 x 145	34	10	260.00
145/6	500	105 x 180	34	6	430.00
145/7	1000	131 x 220	42	2	790.00
145/8	2000	166 x 280	48	1	1600.00



## 142

### Flask Conical with Screw Cap and Liner

- Supplied with PP screw cap autoclavable at 121°C
- The conical form makes them suitable for mixing of liquids

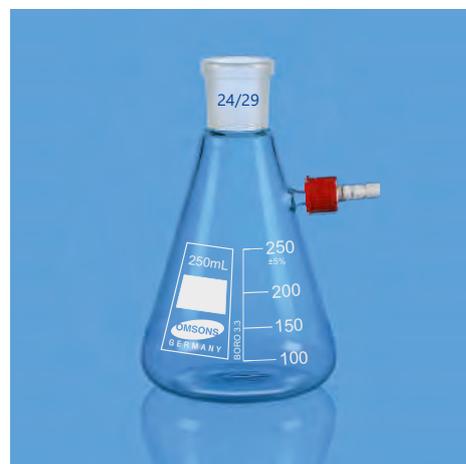
Cat. No.	Capacity (mL)	Neck Specification	Pack of	Price / Piece
142/1	25	GL25	10	160.00
142/2	50	GL25	10	190.00
142/3	100	GL25	10	230.00
142/4	150	GL25	10	260.00
142/5	250	GL45	10	300.00
142/6	500	GL45	6	400.00
142/7	1000	GL45	1	718.00
142/8	2000	GL45	1	1250.00
142/9	5000	GL45	1	4800.00



## 138

### Flask Buckner, Filtering, Heavy wall, with Tubulation & Socket

Cat. No.	Capacity (mL)	Socket Size	Pack of	Price / Piece
138/1	100	19/26	6	320.00
138/2	250	24/29	6	560.00
138/3	500	24/29	6	650.00
138/4	1000	24/29	2	1180.00
138/5	1000	34/35	2	1190.00
138/6	2000	34/35	2	2100.00



# FLASK



## 141A

**Flask Distillation** with Side Tube at Angle.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
141A/4	125	20	340.00



## 141

**Flask Distillation** with Side Tube at Angle.

Cat. No.	Capacity (mL)	Approx O.D. X Height mm	Approx Neck O.D. mm	Pack of	Price / Piece
141/1	100	64 x 210	22	4	270.00
141/2	*125	70 x 215	22	4	290.00
141/3	250	85 x 230	26	4	310.00
141/4	500	105 x 250	28	4	360.00
141/5	1000	130 x 305	32	4	548.00

## 139

### Flask Kjeldahl With Interchangeable Joint.

- Designed with a tooled neck for greater strength and better stopper fit
- These flasks are specially designed for nitrogen/protein determination as per Kjeldahl method.
- The flask with 500ml capacity is a part of Ammonia Distilling Apparatus

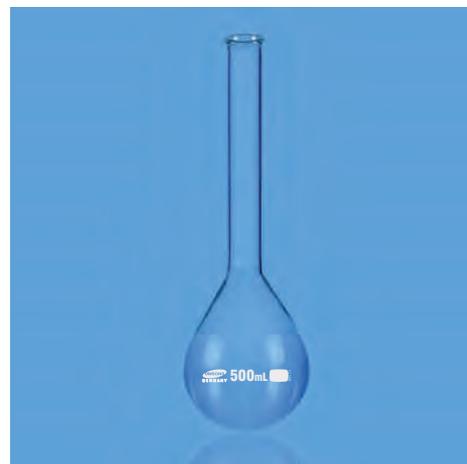
Cat. No.	Capacity (mL)	Socket Size	Height (mm)	Pack of (Per pcs.)	Price / Piece
139/1	50	19/26	200	2	260.00
139/2	100	19/26	200	2	310.00
139/3	100	24/29	200	2	320.00
139/4	300	24/29	295	2	440.00
139/5	500	24/29	300	2	590.00
139/6	800	24/29	340	2	720.00
139/7	800	29/32	380	2	730.00



## 140

### Flask, Kjeldahl without Socket

Cat. No.	Capacity (mL)	Pack of (Per pcs.)	Price / Piece
140/1	10	2	100.00
140/2	30	2	120.00
140/3	50	2	190.00
140/4	100	2	210.00
140/5	300	2	330.00
140/6	500	2	530.00
140/7	800	2	650.00





## 147

**Flask Iodine**, with Funnel Shaped Cup & Stopper.

Cat. No.	Capacity (mL)	Socket Size	Pack of	Price / Piece
147/1	100	24/29	6	240.00
147/2	250	24/29	6	280.00
147/3	500	24/29	6	360.00
147/4	1000	24/29	1	796.00



## 262

**Flasks-E, without side cut for dissolution Apparatus**

- Made From Heat Resistant, Low Expansion 3.3 Borosilicate Glass.
- Complies with DIN ISO 3585 & USP standard.
- Smooth hemispherical base.
- Graduated in interval of 50ml.
- Vessels confirms to all requirements of USP.

Cat. No.	Capacity (mL)	Approx. O.D. × Height	Height (mm)	Pack of	Price / Piece
262/1	1000	131	173	6	2800.00

## 120

### Flask Stand, Universal,

Made of Silicon to hold Flask from 10 ml to 10000 ml.

Can withstand temperature up to 280°C.

Cat. No.	Quantity/Pack	Price / Piece
120/1	2	2250.00



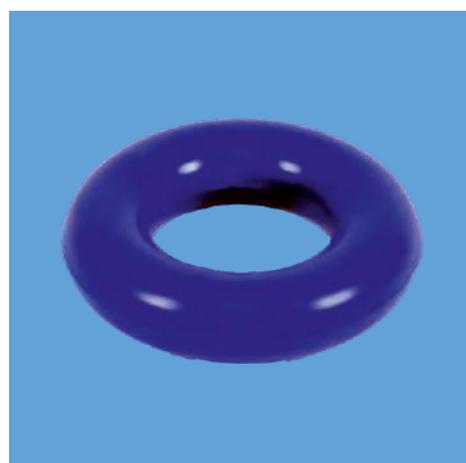
## 121

### Flask Stand, Individual,

- Made of Silicon to hold Flask from 50 ml to 1000 ml.

- Can withstand temperature up to 280°C.

Cat. No.	Flask Capacity ml	Quantity/ Pack	Price / Piece
121/1	50	2	180.00
121/2	100	2	260.00
121/3	250	2	380.00
121/4	500	2	720.00
121/5	1000	2	1200.00



## 122

### Hand Grip, Made of Silicon

- Available with Stand, Slip-Free Mechanism

- Can withstand temperature up to 280°C.

Cat.No.	Quantity/Pack	Price / Piece
122/1	4	1380.00





NYLON

## 231A Brush, Flask

- Made of Nylon Bristles.

Cat. No.	Type	Material	Pack of	Price / Piece
231A/1	Flask Brush	Nylon	10	70.00



SS EU Glass Yarn Si 240°C

## 231 Tong, Flask

- Available in Silicon Sleeve and fibre Glass yarn to resist direct flame.
- Hold Flask upto 2 Liters (60 mm OD).
- Made of Stainless Steel.

Cat. No.	Length (mm)	Type	Max. Temp.	Pack of	Price / Piece
231/1	250	Glass Fibre	500°C	1	370.00
231/2	300	Glass Fibre	500°C	1	380.00
231/3	250	Silicon	280°C	1	440.00
231/4	300	Silicon	280°C	1	450.00

# Joints





## 152 Plain Shank Single Socket

- Complies to DIN 12249
- Joints are made with precision grinding

Cat. No.	Cone Joint Size	Total Length (mm)	Pack of	Price / Piece
152/1	10/19	120	10	70.00
152/2	12/21	120	10	70.00
152/3	14/23	120	10	70.00
152/4	19/26	125	10	76.00
152/5	24/29	135	10	96.00
152/6	29/32	135	10	120.00
152/7	34/35	150	10	140.00
152/8	40/38	150	10	210.00
152/9	45/40	150	10	250.00
152/10	50/42	150	10	300.00
152/11	55/44	150	10	410.00



## 153 Plain Shank Single Cone

- Complies to DIN 12249
- Joints are made with precision grinding

Cat. No.	Cone Joint Size	Total Length (mm)	Pack of	Price / Piece
153/1	10/19	120	10	70.00
153/2	12/21	120	10	70.00
153/3	14/23	120	10	70.00
153/4	19/26	125	10	76.00
153/5	24/29	135	10	96.00
153/6	29/32	135	10	120.00
153/7	34/35	150	10	140.00
153/8	40/38	150	10	210.00
153/9	45/40	150	10	250.00
153/10	50/42	150	10	300.00
153/11	55/44	150	10	410.00

**153A****Cone, with drip tip, Unprinted**

- Complies to DIN 12249
- Joints are made with precision grinding

Cat. No.	Socket	Total Length	Pack of	Price / Piece
153A/1	12/21	120	10	90.00
153A/2	14/23	120	10	90.00
153A/3	19/26	120	10	96.00
153A/4	24/29	150	10	116.00
153A/5	29/32	150	10	140.00
153A/6	34/35	150	10	170.00
153A/7*	40/38	150	10	250.00
153A/8	45/40	150	10	300.00
153A/9*	50/42	150	10	350.00
153A/10*	55/44	150	10	460.00

**154****Plain Shank Double Socket**

- Complies to DIN 12249
- Joints are made with precision grinding

Cat. No.	Cone Joint Size	Total Length (mm)	Pack of	Price / Piece
153/1	10/19	125	10	110.00
153/2	12/21	135	10	110.00
153/3	14/23	135	10	110.00
153/4	19/26	140	10	130.00
153/5	24/29	170	10	160.00
153/6	29/32	170	10	200.00
153/7	34/35	180	10	230.00
153/8	40/38	185	10	350.00





## 155 Plain Shank Double Cone

- Complies to DIN 12249
- Joints are made with precision grinding

Cat. No.	Cone Joint Size	Total Length (mm)	Pack of	Price / Piece
155/1	10/19	125	10	110.00
155/2	12/21	135	10	110.00
155/3	14/23	135	10	110.00
155/4	19/26	140	10	130.00
155/5	24/29	170	10	160.00
155/6	29/32	170	10	200.00
155/7	34/35	180	10	230.00
155/8	40/38	185	10	350.00



## 157 Keck Clips for Joints

- Manufactured from PP.
- Outstanding chemical resistant.
- Autoclavable with maximum operating temp of 135°C.

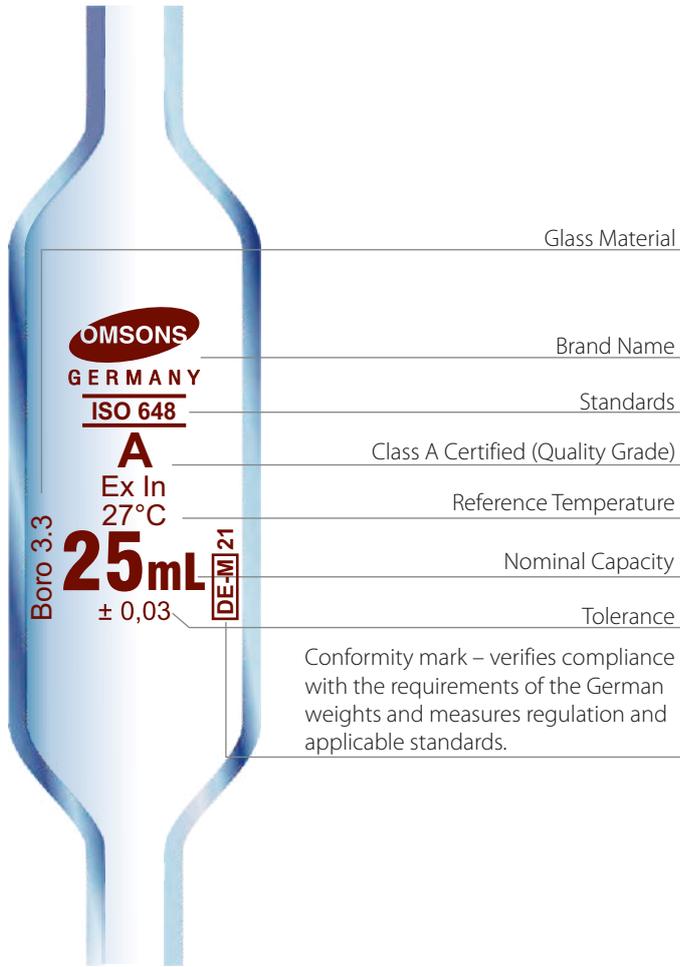
Cat. No.	N/S	Colour	Pack of	Price / Piece
157/1	14/23	Yellow	20	18.00
157/2	19/26	Blue	20	24.00
157/3	24/29	Green	20	30.00
157/4	29/32	Red	20	36.00
157/5	34/35	Orange	10	48.00



# Pipettes



# PIPETTES



Glass Material

Brand Name

Standards

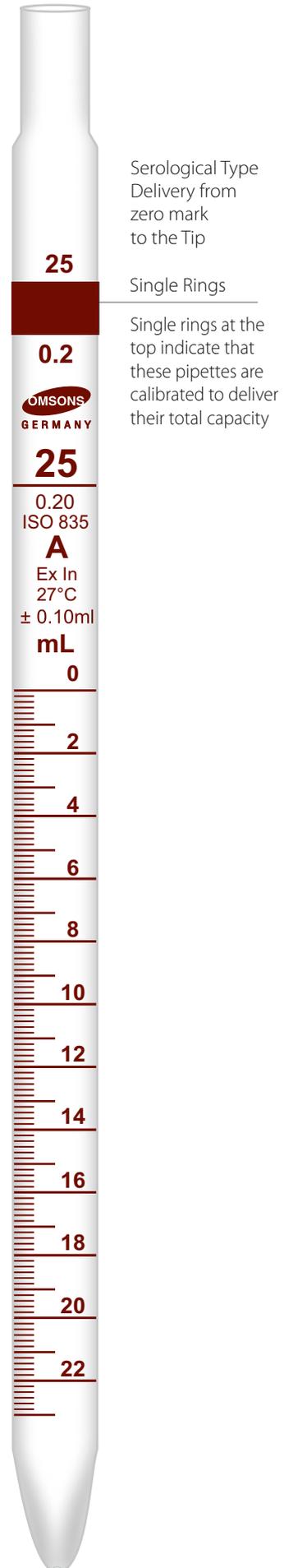
Class A Certified (Quality Grade)

Reference Temperature

Nominal Capacity

Tolerance

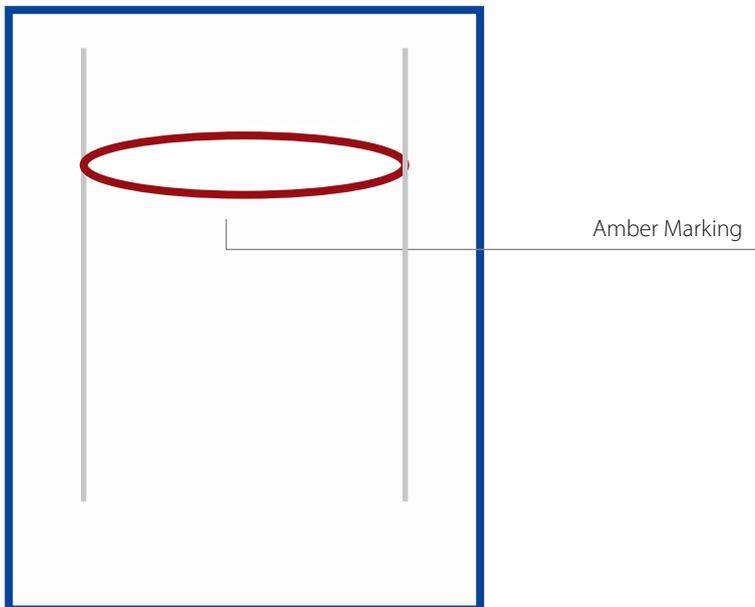
Conformity mark – verifies compliance with the requirements of the German weights and measures regulation and applicable standards.



Serological Type  
Delivery from zero mark to the Tip

Single Rings

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



Amber Marking

## 28

### Volumetric Pipettes, One Mark, Class 'A'

- with Individual Calibration Certificate
- Each pipette Colour coded with unique identification number and supplied with calibration certificate.
- Generally used for accurate measurement of liquid
- Calibrated and certified at 27°C
- Calibrated for delivery (TD, Ex)
- Complies with ISO 648

Cat. No.	Capacity (mL)	Tolerance (±mL)	Pack of	Price / Piece
28/1	1	0.006	10	180.00
28/2	2	0.01	10	180.00
28/3	3	0.01	10	180.00
28/4	4	0.01	10	180.00
28/5	5	0.015	10	180.00
28/6	6	0.015	10	186.00
28/7	7	0.015	10	186.00
28/8	8	0.02	10	186.00
28/9	9	0.02	10	186.00
28/10	10	0.02	10	186.00
28/11	15	0.02	10	220.00
28/12	20	0.03	10	220.00
28/13	25	0.03	10	220.00
28/14	50	0.05	10	280.00
28/15	100	0.08	10	390.00

\* Also available with QR Code

\* Pipettes with Safety Bulb is 10% Extra of list Price

## 29

### Volumetric Pipettes, One Mark, Class 'A' with NABL Certificate.

- Each pipette colour coded with unique identification number and supplied with calibration certificate.
- Generally used for accurate measurement of liquid
- Calibrated and certified at 27°C
- Calibrated for delivery (TD, Ex)
- Complies with ISO 648



Cat. No.	Capacity (mL)	Tolerance (±mL)	Pack of	Price / Piece
29/1	1	0.006	10	400.00
29/2	2	0.01	10	400.00
29/3	3	0.01	10	400.00
29/4	4	0.01	10	400.00
29/5	5	0.015	10	400.00
29/6	6	0.015	10	400.00
29/7	7	0.015	10	400.00
29/8	8	0.02	10	400.00
29/9	9	0.02	10	400.00
29/10	10	0.02	10	400.00
29/11	15	0.02	10	420.00
29/12	20	0.03	10	420.00
29/13	25	0.03	10	420.00
29/14	50	0.05	10	460.00
29/15	100	0.08	10	500.00



# PIPETTES



## 30 Pipette Volumetric, One Mark, Class 'B'

- Compliance with DIN ISO 648 standard with colour code
- Accuracy as per **Class 'B'**.
- Printed in Amber colour.

Cat. No.	Capacity (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
30/1	1	0.015	10	100.00
30/2	2	0.02	10	100.00
30/3	5	0.03	10	90.00
30/4	10	0.04	10	90.00
30/5	20	0.06	10	110.00
30/6	25	0.06	10	120.00
30/7	50	0.10	10	180.00
30/8	100	0.15	10	230.00



## 31 Volumetric Pipettes, One Mark, Class 'A'

- Each pipette colour coded with unique identification number and supplied with calibration.
- Generally used for accurate measurement of liquid
- Calibrated and certified at 20°C
- Complies with ASTM E-969-02
- Calibrated for delivery (TD, Ex)
- **ASTM** with Individual Calibration Certificate



Cat. No.	Capacity (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
31/1	1	0.006	10	200.00
31/2	2	0.006	10	200.00
31/3	3	0.01	10	200.00
31/4	4	0.01	10	200.00
31/5	5	0.01	10	200.00
31/6	6	0.01	10	200.00
31/7	7	0.01	10	200.00
31/8	8	0.02	10	200.00
31/9	9	0.02	10	200.00
31/10	10	0.02	10	200.00
31/11	15	0.03	10	210.00
31/12	20	0.03	10	240.00
31/13	25	0.03	10	240.00
31/14	30	0.03	10	246.00
31/15	40	0.05	10	320.00
31/16	50	0.05	10	360.00
31/17	100	0.08	10	460.00



- \* Also available with QR Code
- \* Pipettes with Safety Bulb is 10% Extra of list Price

## 32

### Volumetric Pipettes Class 'A' with NABL

- with Individual Calibration Certificate
- Each pipette colour coded with unique identification number and supplied with calibration.
- Generally used for accurate measurement of liquid
- Calibrated and certified at 20°C
- Complies with ASTM E-969-02
- Calibrated for delivery (TD, Ex)



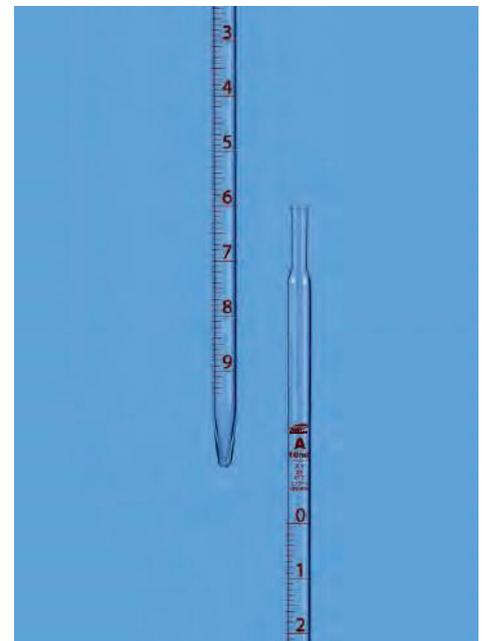
Cat. No.	Capacity (mL)	Tolerance (±mL)	Pack of	Price / Piece
32/1	1	0.006	10	340.00
32/2	2	0.006	10	340.00
32/3	3	0.01	10	340.00
32/4	4	0.01	10	340.00
32/5	5	0.01	10	350.00
32/6	6	0.01	10	350.00
32/7	7	0.01	10	350.00
32/8	8	0.02	10	370.00
32/9	9	0.02	10	370.00
32/10	10	0.02	10	370.00
32/11	15	0.03	10	370.00
32/12	20	0.03	10	390.00
32/13	25	0.03	10	390.00
32/14	30	0.03	10	410.00
32/15	40	0.05	10	480.00
32/16	50	0.05	10	490.00
32/17	100	0.08	10	530.00

## 33

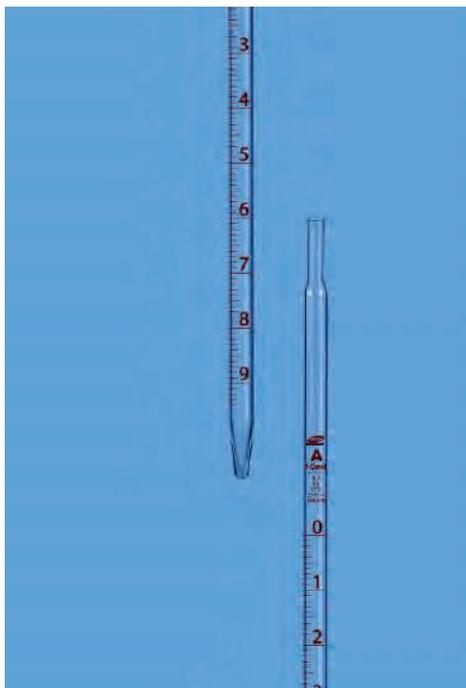
### Pipette Graduated, Serological Type, Class 'A'

- Compliance with DIN ISO 835 standard with colour code
- With Individual **Class 'A'** Certificate.
- Printed in Amber colour.
- These pipettes are graduated to deliver from any graduation line down to zero at the jet, with the last drop blowout.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance (±mL)	Pack of	Price / Piece
33/1	0.1	0.01	0.006	10	220.00
33/2	0.2	0.01	0.006	10	220.00
33/3	0.5	0.02	0.006	10	220.00
33/4	1	0.01	0.007	10	220.00
33/6	2	0.02	0.01	10	220.00
33/8	5	0.05	0.03	10	220.00
33/10	10	0.10	0.05	10	220.00
33/12	25	0.20	0.10	10	280.00



# PIPETTES



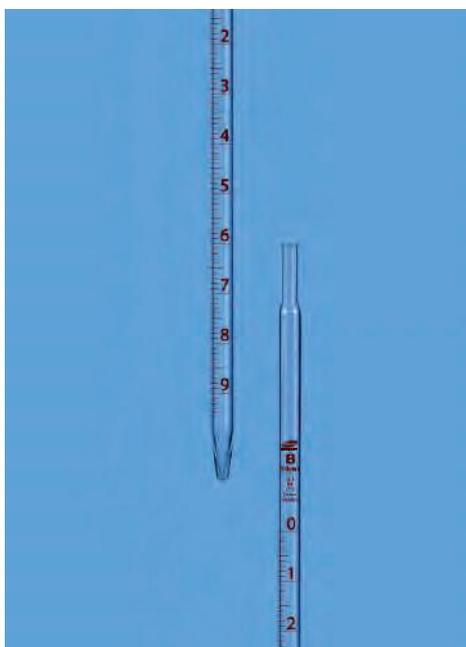
## 34

### Pipette Graduated, Serological Type, Class 'A' with NABL

- Compliance with DIN ISO 835 standard with colour coded
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber colour.
- These pipettes are graduated to deliver from any graduation line down to zero at the jet, with the last drop blowout.



Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
34/1	0.1	0.01	0.006	10	480.00
34/2	0.2	0.01	0.006	10	480.00
34/3	0.5	0.02	0.006	10	480.00
34/4	1	0.01	0.007	10	480.00
34/6	2	0.02	0.01	10	480.00
34/8	5	0.05	0.03	10	480.00
34/10	10	0.10	0.05	10	480.00
34/12	25	0.20	0.10	10	550.00



## 35

### Pipette Graduated, Serological Type, Class 'B'

- Compliance with DIN ISO 835 standard with colour
- Printed in Amber colour.
- These pipettes are graduated to deliver from any graduation line down to zero at the jet, with the last drop blowout.
- Calibrated and certified at 27°C

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
35/1	0.1	0.01	0.01	10	120.00
35/2	0.2	0.01	0.01	10	120.00
35/4	1	0.01	0.01	10	120.00
35/5	2	0.02	0.02	10	120.00
35/6	5	0.05	0.05	10	120.00
35/7	10	0.10	0.10	10	120.00
35/9	25	0.20	0.20	10	140.00

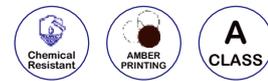
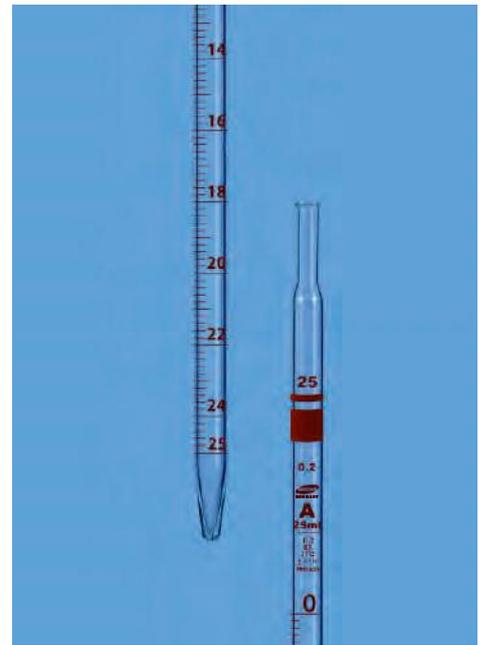


## 36

### Pipette Graduated, Mohr Type, Class 'A'

- Compliance with DIN ISO 835 standard with colour code
- With Individual **Class 'A'** Certificate.
- Printed in Amber colour.
- These pipettes are graduated for delivery from zero mark to the last graduation mark.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
36/1	0.1	0.01	0.006	10	220.00
36/2	0.2	0.01	0.006	10	220.00
36/3	0.5	0.02	0.006	10	220.00
36/4	1	0.01	0.007	10	220.00
36/6	2	0.02	0.01	10	220.00
36/8	5	0.05	0.03	10	220.00
36/10	10	0.10	0.05	10	220.00
36/12	25	0.20	0.10	10	280.00



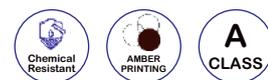
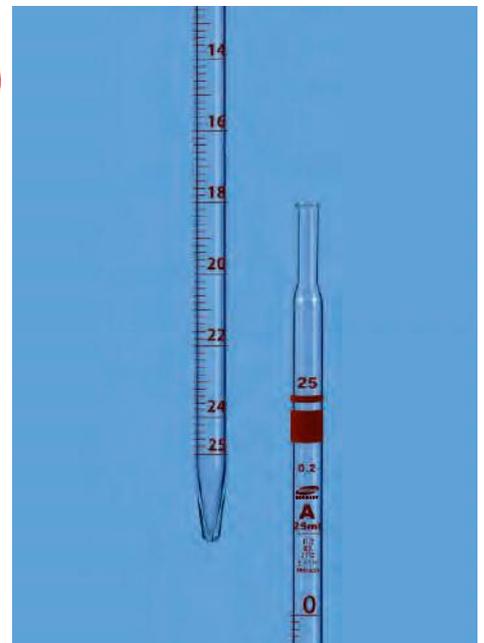
## 37

### Pipette Graduated, Mohr Type, Class 'A' with NABL

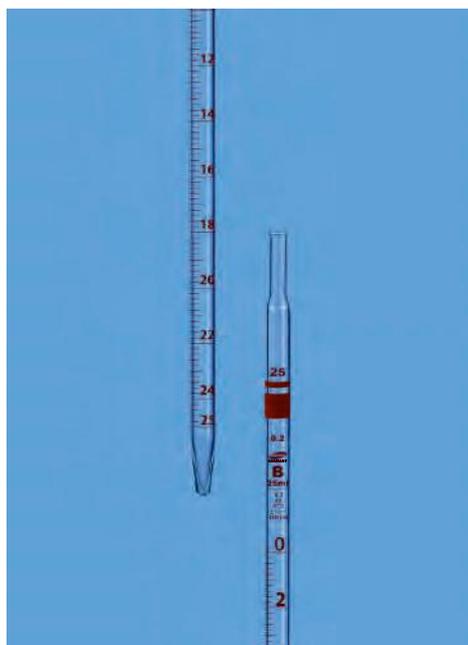


- Compliance with DIN ISO 835 standard with colour code
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber colour.
- These pipettes are graduated for delivery from zero mark to the last graduation mark.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
37/1	0.1	0.01	0.006	10	480.00
37/2	0.2	0.01	0.006	10	480.00
37/3	0.5	0.02	0.006	10	480.00
37/4	1	0.01	0.007	10	480.00
37/6	2	0.02	0.01	10	480.00
37/8	5	0.05	0.03	10	480.00
37/10	10	0.1	0.05	10	480.00
37/12	25	0.2	0.10	10	550.00



# PIPETTES



## 38

### Pipette Graduated, Mohr Type, Class 'B'

- Compliance with DIN ISO 835 standard with colour code
- Accuracy as per **Class 'B'**.
- Printed in Amber colour.
- These pipettes are graduated for delivery from zero mark to the last graduation mark.

Cat. No.	Capacity (mL)	Graduation (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
38/1	0.1	0.01	0.01	10	120.00
38/2	0.2	0.01	0.01	10	120.00
38/3	0.5	0.02	0.02	10	120.00
38/4	1	0.01	0.01	10	120.00
38/5	2	0.02	0.02	10	120.00
38/6	5	0.05	0.05	10	120.00
38/7	10	0.10	0.10	10	120.00
38/9	25	0.20	0.20	10	140.00



## 48

### Silicon Pipette Filler (Bulb)

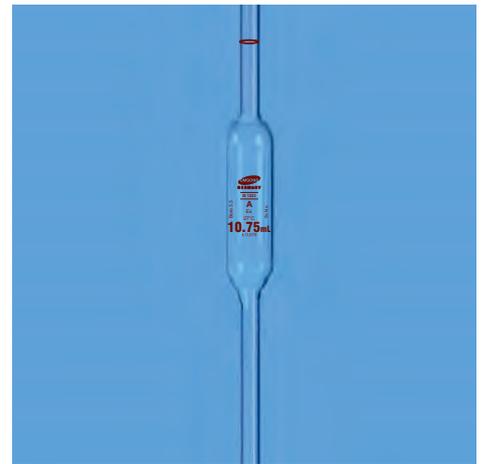
Cat. No.	Size	Capacity (mL)	Pack of	Price / Piece
48/1	Small	5	5	48.00
48/2	Medium	10	5	66.00
48/3	Large	15	5	82.00
48/4	X. Large	20	5	98.00
48/5	Oval	25	5	200.00
48/6	XX Large	50	5	388.00
48/7	XXX Large	100	5	510.00



## 45 Pipette Milk, Class 'A'

- Compliance with IS 1223 Part-II 1972 standard.
- With Individual **Class 'A'** Certificate.
- Printed in Amber colour.

Cat. No.	Capacity (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
37/1	10.75	0.015	10	170.00

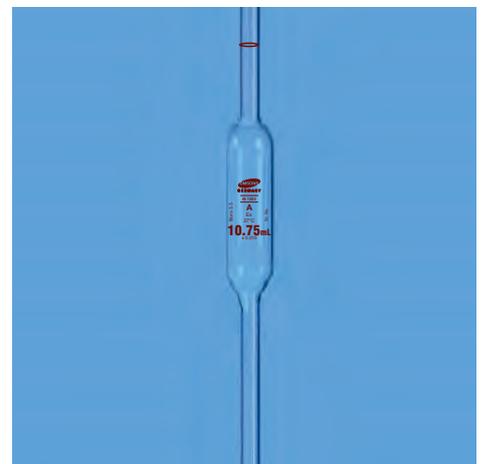


## 46 Pipette Milk, Class 'A' with NABL

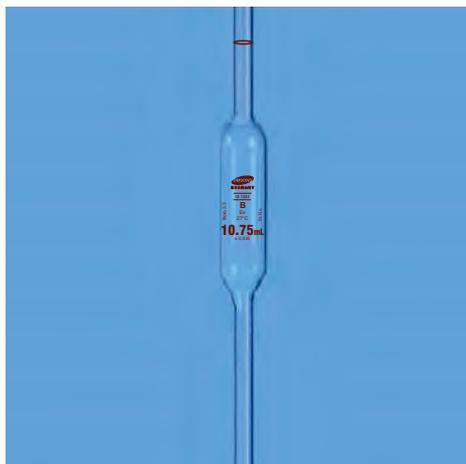
- Compliance with IS 1223 Part-II 1972 standard.
- **Class 'A'** with **NABL** Certificate.
- Printed in Amber colour.



Cat. No.	Capacity (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
37/1	10.75	0.015	10	500.00



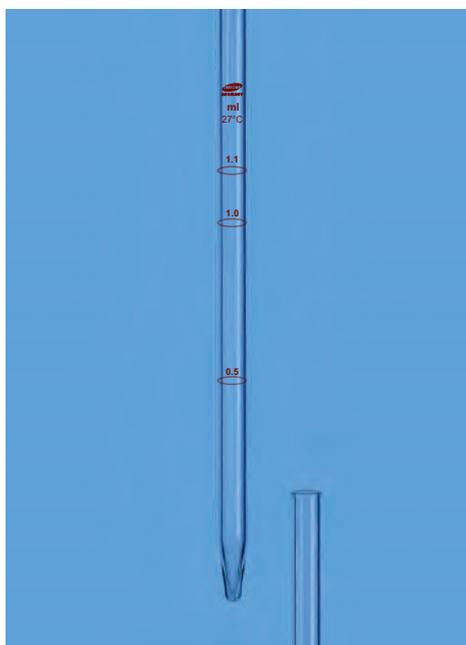
# PIPETTES



## 47 Pipette Milk, Class 'B'

- Compliance with IS 1223 Part-II 1972 standard.
- Accuracy as per **Class 'B'**.
- Printed in Amber colour.

Cat. No.	Capacity (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
37/1	10.75	0.030	10	130.00



## 49 Milk/Bacteriological Pipettes

- Complies with IS 2025
- Available in two capacities - 1.1ml and 2.2 ml
- 1.1 ml is graduated at 0.5 to 1.1 ml
- 2.2 ml is graduated at 1.0, 2.0, 2.1 and 2.2 ml
- Printed in Amber and white colour.
- Used for the bacteriological examination of milk in dairy industries

Cat. No.	Capacity (mL)	Tolerance ( $\pm$ mL)	Pack of	Price / Piece
49/1	1.1	0.025	10	180.00
49/2	2.2	0.04	10	200.00



# Tubes





## 269 Tubes Culture Round Bottom

- Made from Borosilicate 3.3 glass.
- With Screw Thread and Teflon Liner.
- Leakproof.
- Comes with PP Screw Cap.

Cat. No.	O.D. × Length (mm)	Capacity mL	Pack of	Price / Piece
269/1	16 x 75	5	100	36.00
269/2A	16 x 100	10	100	39.00
269/2	16 x 125	15	100	42.00
269/4	18 x 150	25	100	48.00
269/5	25 x 100	30	100	56.00
269/6	25 x 150	45	100	58.00
269/7	25 x 200	60	50	64.00
269/8	32 x 200	100	50	144.00



## 269 Tubes Culture Round Bottom

- Made from Borosilicate 3.3 glass.
- With Screw Thread and Teflon Liner.
- Leakproof.
- Comes with PP Screw Cap.

Cat. No.	O.D. × Length (mm)	Capacity mL	Pack of	Price / Piece
269/9	38 x 200	150	25	225.00



## 271 Tubes, Culture Media, Flat Bottom

- Made from Borosilicate 3.3 glass.
- With Screw Thread and Teflon Liner.
- Leakproof.
- Comes with PP Screw Cap.

Cat. No.	Capacity (mL)	O.D. × Length (mm)	Pack of	Price / Piece
271/1	5	16 x 50	100	34.00
271/2	10	25 x 50	100	42.00
271/3	15	25 x 57	100	44.00
271/4	30	25 x 95	100	50.00
271/5	50	25 x 150	100	66.00



## 275

### Tubes Culture Round Bottom

- Made from Borosilicate 3.3 glass.
- With Screw Thread and Teflon Liner.
- Leakproof.
- Comes with PP Screw Cap.

Cat. No.	O.D. × Length (mm)	Capacity mL	Pack of	Price / Piece
275/1	16 x 75	5	100	70.00
275/2A	16 x 100	10	100	82.00
275/2	16 x 125	15	100	86.00
275/4	18 x 150	25	100	94.00
275/5	25 x 100	30	100	110.00
275/6	25 x 150	45	100	126.00
275/7	25 x 200	60	50	156.00
275/8	32 x 200	100	50	250.00
275/9	38 x 200	150	25	350.00

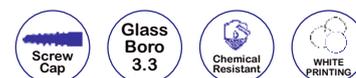


## 277

### Tubes, Culture Media, Flat Bottom

- Made from Borosilicate 3.3 glass.
- With Screw Thread and Teflon Liner.
- Leakproof.
- Comes with PP Screw Cap.

Cat. No.	Capacity (mL)	O.D. × Length (mm)	Pack of	Price / Piece
277/1	5	16 x 50	100	70.00
277/2	10	25 x 50	100	86.00
277/3	15	25 x 57	100	86.00
277/4	30	25 x 95	100	110.00
277/5	40	25 x 145	100	130.00



# TUBES



## 273 Test Tube

- With Interchangeable Stopper.
- Made from Borosilicate 3.3 Glass

Cat. No.	O.D. × Length (mm)	Capacity ml.	Bottom Type	Pack of	Price / Piece
273/1	13 × 100	5	10/19	100	70.00
273/2	15 × 125	10	12/21	100	82.00
273/3	18 × 150	20	14/23	100	96.00
273/4	25 × 150	25	19/26	100	118.00
273/5	25 × 200	50	19/26	100	140.00
273/6	32 × 200	100	24/29	50	200.00
273/7	38 × 200	150	24/29	50	222.00



## 274 Test Tube

- With joint & stopper.
- With Graduation.

Cat. No.	O.D. × Length (mm)	Capacity ml.	Bottom Type	Pack of	Price / Piece
273/1	13 × 100	5	10/19	100	110.00
273/2	15 × 125	10	12/21	100	118.00
273/3	18 × 150	20	14/23	100	148.00
273/4	25 × 155	25	19/26	100	188.00
273/5	25 × 200	50	19/26	100	216.00
273/6	32 × 230	100	24/29	50	274.00



## 279

### Test Tube, Amber Colour

- With Interchangeable Stopper.
- Made from Borosilicate 3.3 Glass

Cat. No.	O.D. × Length (mm)	Capacity mL.	Bottom Type	Pack of	Price / Piece
279/1	13 × 100	5	10/19	100	122.00
279/2	15 × 125	10	12/21	100	134.00
279/3	18 × 150	20	14/23	100	146.00
279/4	25 × 150	25	19/26	100	170.00
279/5	25 × 200	50	19/26	100	194.00
279/6	32 × 200	100	24/29	50	242.00
279/7	38 × 200	150	24/29	50	282.00



## 280

### Test Tube, Amber Colour

- With joint & stopper.
- With Graduation.

Cat. No.	O.D. × Length (mm)	Capacity mL.	Bottom Type	Pack of	Price / Piece
280/1	13 × 100	5	10/19	100	146.00
280/2	15 × 125	10	12/21	100	158.00
280/3	18 × 150	20	14/23	100	170.00
280/4	25 × 150	25	19/26	100	190.00
280/5	25 × 200	50	19/26	100	218.00
280/6	32 × 200	100	24/29	50	266.00
280/7	38 × 200	150	24/29	50	328.00





## 281

### Test Tube, Re-usable, Round Bottom, With Rim

- Made from, Borosilicate 3.3 glass.
- With Rim IS-2618.
- Uniform wall Thickness.
- Excellent heat transfer.

Cat. No.	Capacity (mL)	O.D. × Length (mm)	Thickness (mm)	Pack of	Price / Piece
281/1	3	10 x 75	1	100	6.60
281/2	5	12 x 75	1	100	7.20
281/3	7	12 x 100	1	100	9.00
281/4	13	15 x 125	1.2	100	12.60
281/5	15	15 x 150	1.2	100	14.80
281/6	27	18 x 150	1.2	100	16.50
281/7	38	25 x 100	1.2	100	20.00
281/8	55	25 x 150	1.2	100	24.00
281/9	70	25 x 200	1.2	100	30.00
281/10	100	32 x 200	1.4	50	50.00
281/11	150	38 x 200	1.4	50	60.00



## 281A

### Test Tube, Re-usable, Round Bottom Without Rim

- Made from, Borosilicate 3.3 glass.
- Without Rim IS-2618.
- Uniform wall Thickness.
- Excellent heat transfer.

Cat. No.	Capacity (mL)	O.D. × Length (mm)	Thickness (mm)	Pack of	Price / Piece
281A/1	3	10 x 75	1	100	6.60
281A/2	5	12 x 75	1	100	7.20
281A/3	7	12 x 100	1	100	9.00
281A/4	13	15 x 125	1.2	100	12.60
281A/5	15	15 x 150	1.2	100	14.80
281A/6	27	18 x 150	1.2	100	16.50
281A/7	38	25 x 100	1.2	100	20.00
281A/8	55	25 x 150	1.2	100	24.00
281A/9	70	25 x 200	1.2	100	30.00
281A/10	100	32 x 200	1.4	50	50.00
281A/11	150	38 x 200	1.4	50	60.00

## 587

### Centrifuge Tube, Conical Bottom, Graduated

- Made from Borosilicate 3.3 Glass

Cat. No.	Capacity (mL)	O.D. × Length (mm)	Pack of	Price / Piece
587/1	5	13X100	25	64.00
587/2	10	15X110	25	68.00
587/3	15	17X120	25	72.00
587/4	25	22X125	12	118.00
587/5	50	30X135	12	146.00



## 587A

### Centrifuge Tube, Conical Bottom, Plain

- Made from Borosilicate 3.3 Glass

Cat. No.	Capacity (mL)	O.D. × Length (mm)	Pack of	Price / Piece
587A/1	5	13X100	25	30.00
587A/2	10	15X110	25	38.00
587A/3	15	17X120	25	40.00
587A/4	25	22X125	12	106.00
587A/5	50	30X135	12	134.00



# TUBES



## 588

### Centrifuge Tube, Conical Bottom, Graduated with Screw Cap

- Made from Borosilicate 3.3 Glass

Cat. No.	Capacity (mL)	Pack of	Price / Piece
588/2	10	25	120.00
588/3	15	25	130.00
588/5	50	12	290.00



## 588A

### Centrifuge Tube, Conical Bottom, Plain with Screw Cap

- Made from Borosilicate 3.3 Glass

Cat. No.	Capacity (mL)	Pack of	Price / Piece
588A/2	10	25	80.00
588A/3	15	25	84.00
588A/5	50	12	170.00



## 589

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

- Made from Borosilicate 3.3 Glass

Cat. No.	Capacity (mL)	O.D. × Length (mm)	Pack of	Price / Piece
589/1	5	13X100	25	110.00
589/2	10	15X110	25	116.00
589/3	15	17X120	25	124.00
589/4	25	22X125	12	196.00
589/5	50	30X135	12	244.00



## 589A

### Centrifuge Tube, Plain, with interchangeable stopper, conical.

- Made from Borosilicate 3.3 Glass

Cat. No.	Capacity (mL)	O.D. × Length (mm)	Pack of	Price / Piece
589A/1	5	13X100	25	90.00
589A/2	10	15X110	25	98.00
589A/3	15	17X120	25	102.00
589A/4	25	22X125	12	150.00
589A/5	50	30X135	12	200.00



# Funnels



## 283

### Powder Funnel Stem With Cone

- Made from Borosilicate 3.3 GLASS.
- Ideal for transferring powders
- Designed with a short wide to facilitate smooth flow
- Supplied with ground glass cone for easy fitting on flask

Cat. No.	Neck Size (mm)	Funnel Dia (Approx mm)	Pack of	Price / Piece
283/3	24/29	80	8	260.00
283/4	24/29	100	8	296.00
283/5	24/29	125	8	440.00



## 284

### Glass Filter Funnel Short Stem

- Designed with a 60° bowl angle to ensure precise fitting of the filter paper
- High thermal shock resistance and chemical resistance
- Generally used for filtering liquids.

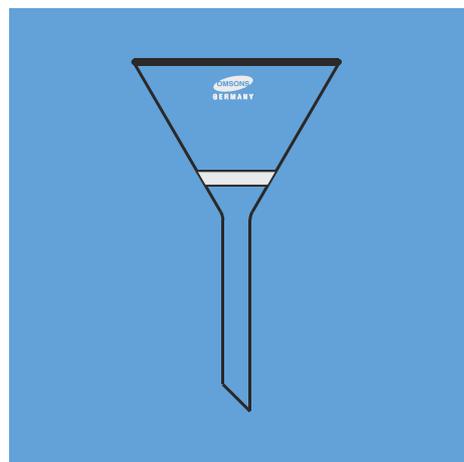
Cat. No.	Diameter (mm)	Pack of	Price / Piece
284/1	25	10	60.00
284/2	38	10	60.00
284/3	50	10	62.00
284/4	65	10	72.00
284/5	75	8	96.00
284/6	100	8	158.00
284/7	125	4	300.00



## 190

### Filter Holders, Stainless Steel

Cat. No.	Capacity (mL)	Disc Dia (mm)	Pack of	Price / Piece
190/1	20	20	8	290.00
190/2	60	30	8	428.00
190/3	175	30	8	540.00





## 285

### Funnels, Buchner, with sintered disc

- Made from Borosilicate 3.3 glass.
- Comes with fire polished rim and stem.

Cat. No.	Capacity (mL)	Disc Dia. (mm)	Porosity Grade	Pack of	Price / Piece
285/1	35	30	1	2	240.00
285/2	35	30	2	2	240.00
285/3	35	30	3	2	240.00
285/4	35	30	4	2	240.00
285/5	35	30	5	2	480.00
285/6	80	35	1	2	400.00
285/7	80	35	2	2	400.00
285/8	80	35	3	2	400.00
285/9	80	35	4	2	400.00
285/10	80	35	5	2	860.00
285/11	200	68	1	2	900.00
285/12	200	68	2	2	900.00
285/13	200	68	3	2	900.00
285/14	200	68	4	2	900.00
285/15	200	68	5	2	1350.00
285/16	500	92	1	2	2050.00
285/17	500	92	2	2	2050.00
285/18	500	92	3	2	2050.00
285/19	500	92	4	2	2050.00
285/20	500	92	5	2	3000.00
285/21	1000	124	1	2	4400.00
285/22	1000	124	2	2	4400.00
285/23	1000	124	3	2	4400.00
285/24	1000	124	4	2	4400.00
285/25	1000	124	5	2	6200.00

## 286

**Separating Funnel,** Pear Shape with Glass Stopcock and interchangeable Stopper.

- Compliance with ISO 4800 Standards.
- Made from Borosilicate 3.3 Glass
- With Glass/ Stopper.

Cat. No.	Capacity (mL)	Neck Size	Pack of	Price / Piece
286/1	30	14/23	1	456.00
286/2	60	14/23	1	490.00
286/3	125	19/26	1	620.00
286/4	250	24/29	1	750.00
286/5	500	24/29	1	860.00
286/6	1000	29/32	1	1300.00
286/7	2000	29/32	1	3010.00
286/8	5000	34/35	1	9600.00



## 287

**Separating Funnel,** Pear Shape with Boroflo Stopcock and interchangeable Stopper.

- Compliance with ISO 4800 Standards.
- Made from Borosilicate 3.3 Glass
- With Glass/plastic Stopper.

Cat. No.	Capacity (mL)	Neck Size	Pack of	Price / Piece
287/1	30	14/23	1	340.00
287/2	60	14/23	1	390.00
287/3	125	19/26	1	570.00
287/4	250	24/29	1	638.00
287/5	500	24/29	1	870.00
287/6	1000	29/32	1	1280.00
287/7	2000	29/32	1	2900.00



# FUNNELS



## 288

### Separating Funnel, Pear Shape with PTFE Key and interchangeable Stopper.

- Compliance with ISO 4800 Standards.
- Made from Borosilicate 3.3 Glass
- With Glass/plastic Stopper.

Cat. No.	Capacity (mL)	Neck Size	Pack of	Price / Piece
288/1	30	14/23	1	600.00
288/2	60	14/23	1	680.00
288/3	125	19/26	1	880.00
288/4	250	24/29	1	900.00
288/5	500	24/29	1	1280.00
288/6	1000	29/32	1	1710.00
288/7	2000	29/32	1	3500.00
288/8	5000	34/35	1	9800.00



## 288P

### Separating Funnel

- Made of Polypropylene.
- Provides excellent contact clarity & Strength.
- Is per shaped & autoclavable.
- Has leakproof screw cap threaded.
- PP stopcock fitted with self lubricating PTFE plug, is push fitted to the stem of funnels.

Cat. No.	Capacity (mL)	Pack of	Price / Piece
288P/1	100	2	480.00
288P/2	250	2	540.00
288P/3	500	2	610.00



## 298

### Dropping Funnel with Glass Stopcock

- Made from IS 1575,
- Made from Bososilicate 3.3 Glass.

Cat. No.	Capacity (mL)	Neck Size	Pack of	Price / Piece
298/1	50	14/23	1	325.00
298/2	100	19/26	1	370.00
298/3	250	24/29	1	525.00
298/4	500	29/32	1	750.00
298/5	1000	29/32	1	1350.00



## 302

### Pressure Equilising Cylindrical Funnel With PTFE Stopcock

- Made from Bososilicate 3.3 Glass.

Cat. No.	Capacity (mL)	Socket / Cone Size	Pack of	Price / Piece
302/1	50	19/26	1	750.00
302/2	100	19/26	1	790.00
302/3	250	24/29	1	920.00
302/4	500	24/29	1	1210.00



# FUNNELS



## 348A Separating Funnel Holder

- Made of Polypropylene.
- Non-corrosive front opening provides clear view of the solution, Allows unobstructed placement of separating funnels.
- Two tapered wedges ensures firm grip on rods having dia 1/2" or 3/5".

Cat. No.	Capacity (mL)	Pack of	Price / Piece
348A/1	Separator Funnel Holder	12	x



## 348B Funnel Holder

- Made of Polypropylene.
- Are corrosion free.
- Can hold funnels with dia 3" to 6".
- Extra plate provided can be placed to hold funnels bearing dia 1" to 3".
- Two tapered wedges ensure firm grip on Rods having dia 1/2" or 3/8"

Cat. No.	Capacity (mL)	Pack of	Price / Piece
348B/1	Funnel Holder	12	124.00

## 109

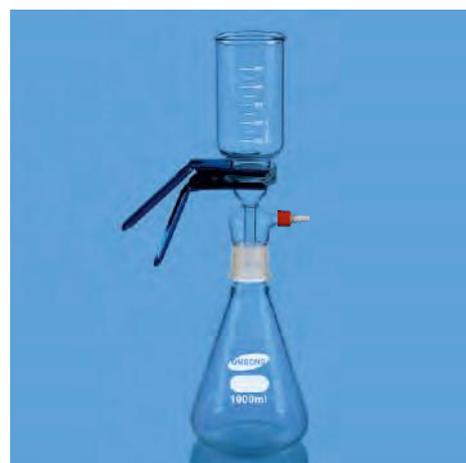
### All Glass Filter Holder - 47 mm Filtration Assembly

- Made of Borosilicate Glass with fritted glass filter base.
- The base designed as an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets.
- Anodized aluminium spring clamp.
- The filter size is 47 mm.
- Used for filtration of HPLC solvents and aqueous mobile phase solution and buffers.

Cat. No.	Filtration Base Size (mm)	Flask Cap. (ml)	Pack of	Price / Piece
109/2	25	500	1	3000.00
109/3	47	1000	1	5110.00
109/4	47	2000	1	5800.00
109/5	47	5000	1	40500.00

### Spares For 47mm

Cat. No.	Capacity ml	Description	Pack of	Price / Piece
109/2	500	Flask For Filter Holder	1	890.00
109/3	1000	Flask For Filter Holder	1	1410.00
109/4	2000	Flask For Filter Holder	1	2220.00
109/5	5000	Flask For Filter Holder	1	7000.00



## 111

### All Glass Filter Holder - 47 mm Filtration Assembly

- Made of Borosilicate Glass with fritted glass filter base.
- The base designed as an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets.
- The filtration base has a silicon stopper.
- Anodized aluminium spring clamp.
- The filter size is 47 mm.
- The effective filtration area is 9.6 cm<sup>2</sup>.
- Used for filtration of HPLC solvents and aqueous mobile phase solution and buffers.
- The scale funnels simplifies dosing and analysis.

Cat. No.	Filtration Base Size (mm)	Flask Cap. (ml)	Pack of	Price / Piece
111/1	25	500	1	2580.00
111/2	47	1000	1	4710.00
111/3	47	2000	1	5120.00





## 189 Filter Holders, Stainless Steel

Cat. No.	Description	Price / Piece
189/1	Vacuum Filter Holder 47 mm Complete S.S.	8490.00
189/2	3 Branch Sterility Test, 47 mm, S.S.	53480.00



## 190A Oil Free Portable Vacuum Pump (Diaphragm Type)

Cat. No.	Max. Flow (lts. min/in.Hg)	Max Vacuum	Max (Psig)	Motor HP	Price / Piece
190A/1	15	22"	25	1/20	12500.00
190A/2	25	27"	35	1/16	16900.00
190A/3	45	22"	35	1/8	20200.00
190A/4	45	22"	55	1/4	28700.00

# Stopper Stopcock





## 161 Stopper, Interchangeable, Ground Joint, for Reagent Bottle & Volumetric Flask.

Cat. No.	Cone	Capacity ml	Type	Price/Piece
161/1	14/23	Regent Bottle, 60 ml	Flat Head	50.00
161/2	19/26	Regent Bottle, 125 & 250 ml	Flat Head	66.00
161/3	24/29	Regent Bottle, 500 ml	Flat Head	100.00
161/4	29/32	Regent Bottle, 1000 ml	Flat Head	150.00
161/5	34/35	Regent Bottle, 2000 ml	Flat Head	250.00
161/6	10/19	Volumetric Flask 5, 10, 20, 25 ml	Penny Head	42.00
161/7	12/21	Volumetric Flask 50 ml	Penny Head	46.00
161/8	14/23	Volumetric Flask 100, 200, 250 ml	Penny Head	54.00
161/9	19/26	Volumetric Flask 500ml	Penny Head	70.00
161/10	24/29	Volumetric Flask 1000 ml	Penny Head	100.00
161/11	29/32	Volumetric Flask 2000 ml	Penny Head	150.00



## 162 Stopper, Interchangeable, Ground Joint, Amber Colour for Reagent Bottle & Volumetric Flask.

Cat. No.	Cone	Capacity ml	Type	Price/Piece
162/1	14/23	Regent Bottle, 60 ml	Flat Head	70.00
162/2	19/26	Regent Bottle, 125 & 250 ml	Flat Head	100.00
162/3	24/29	Regent Bottle, 500 ml	Flat Head	150.00
162/4	29/32	Regent Bottle, 1000 ml	Flat Head	226.00
162/5	34/35	Regent Bottle, 2000 ml	Flat Head	320.00
162/6	10/19	Volumetric Flask 5, 10, 20, 25 ml	Penny Head	58.00
162/7	12/21	Volumetric Flask 50 ml	Penny Head	66.00
162/8	14/23	Volumetric Flask 100, 200, 250 ml	Penny Head	70.00
162/9	19/26	Volumetric Flask 500ml	Penny Head	100.00
162/10	24/29	Volumetric Flask 1000 ml	Penny Head	120.00
162/11	29/32	Volumetric Flask 2000 ml	Penny Head	192.00

# Kjeldhal Apparatus



# KJELDHAL APPARATUS



## 520

### Universal Combined Kjeldhal Digestion and Distillation Unit

Electrically heated, comprising of one single mild steel tubular stand provided with two shelves one above the other. A specially designed glass fume duct with (B 24) Cone openings (suitable for flasks having 24/29 socket) having such provision so that no leakage of fumes takes place. One heater box having individual energy regulators for 500 watts heaters are supplied in digestion part at lower side. One heater box of above design is supplied in distillation part at the upper side. Distillation part is also provided with brass condenser rack with water circulation system and clamps. The whole unit is operated on 220 volts AC mains.

Cat. No.	Description	Price / Piece
520/1	Complete unit with glass parts for 6 tests	67984.00
520/2	Complete unit without glass parts for 6 tests	39668.00
520/3	Complete unit with glass parts for 3 tests	42412.00
520/4	Complete unit without glass parts for 3 tests	26446.00

Note: For extra energy regulator Rs. 700/- extra  
\*Installation charges extra on actual basis.



## 521

### Kjeldhal Digestion Unit

Complete with heating box and fume duct. The 500 watts heaters are 6 inches apart having individual on/off switches and energy regulators. The height of the side clamps provided, is adjustable to accommodate Kjeldahl flasks of 300ml, 500ml. Or 800ml. Without glass parts but with fume duct. Kindly place order for Kjeldhal flasks extra as per requirement.

Cat. No.	Description	Price / Piece
521/1	Unit with individual energy regulators for 3 tests with 3 X 500ml flasks.	17240.00
521/2	Unit with individual energy regulators for 3 tests without 3 X 500ml flasks.	10210.00
521/3	Unit with individual energy regulators for 6 tests with 6 X 500ml flasks.	26446.00
521/4	Unit with individual energy regulators for 6 tests without 6 X 500ml flasks.	17880.00
521/5	Fume Duct for 3 Tests, Glass	4950.00
521/6	Fume Duct for 6 Tests, Glass	5720.00

Note: For extra energy regulator Rs. 700/- extra  
\*Installation charges extra on actual basis.

## 522

### Kjeldhal Digestion Unit

Complete with heating box & fume duct. 500 watts heaters are 6 inches apart having individual on/off switches & energy regulators. The height of the side clamps provided, is adjustable to accommodate Kjeldhal flasks of 300/500/or 800ml. With specially designed fume duct to totally avoid leakage of fumes with 24/29 cone adapters for openings suitable to fit Kjeldhal flasks having 24/29 sockets but w/o flask.

Cat. No.	Description	Price / Piece
522/1	Unit with individual Energy regulators for 3 Tests with 3 X 500ml Kjeldhal flasks.	18402.00
522/2	Unit with individual Energy regulators for 3 Tests without flasks.	10208.00
522/3	Unit with individual Energy regulators for 6 Tests with 6 X 500ml Kjeldhal flasks.	30188.00
522/4	Unit with individual Energy regulators for 6 Tests without flasks.	17840.00
522/5	Specially Designed Fume Duct with adapters, for 3 Tests for Cat. No. 522/1 and 522/2	6280.00
522/6	Specially Designed Fume Duct with adapters, for 6 Tests for Cat. No. 522/3 and 522/4	9444.00

Note: For extra energy regulator Rs. 700/- extra  
\*Installation charges extra on actual basis.



## 523

### Kjeldhal Digestion Unit

Complete with mild steel tubular stand provided with one heating Box, Brass condenser rack with water circulation system, condenser clamps, Heater Box is provided with top to receive the Kjeldhal flasks, with electric heating elements of 500 watts each connected through individual on/off switches and energy regulators, supplied with or without glass parts.

Cat. No.	Description	Price / Piece
523/1	Unit with individual Energy regulators for 3 Tests w/o glass parts	17462.00
523/2	--do-- with glass parts	26774.00
523/3	Unit with individual Energy regulators for 6 Tests w/o glass parts	24590.00
523/4	--do-- with glass parts	43200.00
523/5	Kjeldhal Distillation Unit Glass Parts consisting of Kjeldhal flask 500ml, multiple adapter dropping funnel splash head, Liebig condenser, receiving adapter & receiving flask 250ml, complete with standard	3720.00

Note: For extra energy regulator Rs. 700/- extra  
\*Installation charges extra on actual basis.





## 524

### Soxhlet Extraction Heating Unit,

Soxhlet Extraction Heating Unit Suitable for flasks of 100 ml, 150 ml., 250 ml. or 500 ml. cap. Unit is supplied with Heating Box fitted with Heaters (Hot Plates or Heating Mantles) individual energy regulators, neon lights, etc. adjustable rod, clamps & boss heads, but without glass parts.

Cat. No.	Description	Price / Piece
524/1	Unit With 3 Hot Plate Type Heaters	14480.00
524/2	Unit With 6 Hot Plate Type Heaters	21060.00
524/3	Unit with 3 Mantle Type Heaters	12618.00
524/4	Unit with 6 Mantle Type Heaters	19250.00



## 525

### Crude Fiber Estimation

Hot Plate type for 6 Tests, complete with 6 x 1000 ml. Tall form beakers, 6 Bulb shape condensers, Clamps and Connecting Rubber Tube

Cat. No.	Description	Price / Piece
525/1	Hot Plate type for 6 Tests, complete with 6 x 1000 ml. Tall form beakers, 6 Bulb shape condensers, Clamps and Connecting Rubber Tube	35190.00

## 526

### Heating Mantles

Made of knitted Glass yarn, heaters are fitted beneath it, which provides uniform heating of flasks upto 400°C. The mantles are fitted in a nicely painted sheet metal case, filled with Glass Wool Insulations, provided with an energy regulator, indicator and a cord.



Cat. No.	Capacity (mL)	Watts (W)	Price / Piece
526/1	50	60	2858.00
526/2	100	60	2890.00
526/3	250	150	3058.00
526/4	500	200	3322.00
526/5	1000	300	3740.00
526/6	2000	450	4648.00
526/7	3000	450	5710.00
526/8	5000	600	6348.00
526/9	10000	2X600	10890.00
526/10	20000	3X600	15246.00
526/11	50000	6X600	30856.00

### SPARE MANTLES WITH HEATERS FOR REPLACEMENT

Cat. No.	Capacity (mL)	Watts (W)	Price / Piece
526/12	50	60	694.00
526/13	100	60	694.00
526/14	250	150	748.00
526/15	500	200	792.00
526/16	1000	300	990.00
526/17	2000	450	1320.00
526/18	3000	450	1496.00
526/19	5000	600	2090.00
526/20	10000	2X600	3014.00
526/21	20000	2X600	5666.00
526/22	50000	6X600	12706.00





## 527 Hot Plate

Mounted on a thick M.S sheet body, a smooth surface cast iron plate fitted with an electrically operated element laid under the plate. Fitted with Energy Regulator. A three step rotary switch works on 220/230 volts A.C. controls heating. The plate is finished in heat resistant black and the body is stove blue white painted.

Cat. No.	Top Type	Dimension (cm)	Power Rating	Price / Piece
527/1	Round	20	1 kw	6810.00
527/2	Rectangular	30 X 25	1kw	9260.00
527/3	Rectangular	40 X 25	1.5 kw	10898.00
527/4	Rectangular	45 X 30	2 kw	11396.00
527/5	Rectangular	45 X 60	3 kw	18980.00
<b>Fitted with Digital Controller (PID)</b>				
527/6	Round	20	1kw	21698.00
527/7	Rectangular	40X25	1.5kw	26500.00

# Metalware





## 26 Burette Clamp

- Material :Mild Steel
- Chrome Plated.
- Fisher type with Boss head, Single

Cat. No.	Type	Max. Temp.	Pack of	Price/Piece
26/1	PVC Sleeve	80°C	10	200.00
26/2	Silicone Sleeve	180°C	10	220.00



## 27 Burette Clamp

- Material :Mild Steel
- Chrome Plated.
- Fisher type with Boss head, Double

Cat. No.	Type	Max. Temp.	Pack of	Price / Piece
27/1	PVC Sleeve	80 C	10	560.00
27/2	Silicone Sleeve	180 C	10	640.00



## 329

### Laboratory Jack

Cat. No.	Type	Size (mm)	Pack of	Price / Piece
329/1	Stainless Steel	120 x 140	1	6304.00
329/2	Stainless Steel	200 x 200	1	8134.00
329/3	Stainless Steel	250 x 250	1	11.694.00



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## 341

### Retort, Clamp

- Cork Lined
- Material : Aluminium Die-casted, Powder Coated
- MS Rod chrome plated
- Hold upto 50to65mm

Cat. No.	Type	Pack of	Price / Piece
341/1	Cork Lined	2	310.00



Cross Pattern

Al Diecasted

## 342

### Retort, Clamp

- 3 Prong
- Die-casted- Powder Coated, Aluminium
- hold upto 65mm circle
- MS Rod chrome plated

Cat. No.	Type	Pack of	Price / Piece
342/1	3 Pring	2	326.00



White Powder Coated

Al Diecasted

MS Rod

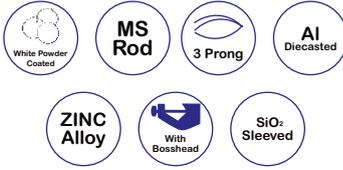
Three Prong



## 342B Retort, Clamp, Euro Design

- 3 Prong with dual keys
- Material : Zinc Alloy, diecasted, Chrome plated
- hold upto 75mm.
- Rod with dia 7.5mm, Length 235mm.
- bosshead lockable for 14mm grip.

Cat. No.	Type	Pack of	Price / Piece
342B/1	Silicone sleeve with boss head	2	580.00
342B/1	PVC sleeve with boss head	2	520.00
342B/1	Silicone sleeve with rod	2	430.00
342B/1	PVC sleeve with rod	2	398.00



## 343 Condenser, Clamp

- 4 Prong
- Material : Powder Coated, Aluminium
- hold upto 125mm circle
- MS Rod chrome plated

Cat. No.	Type	Pack of	Price / Piece
343/1	4 Prong	2	830.00



## 344 Retort, Clamp

- Cross Pattern
- Die-casted
- hold upto 65mm

Cat. No.	Type	Pack of	Price / Piece
344/1	Aluminium, Cork Lined	2	340.00
344/2	Zinc, Cork Lined	2	320.00



## 345 Boss Head

- Material: Cast Iron, Black painted
- hold upto 25mm.

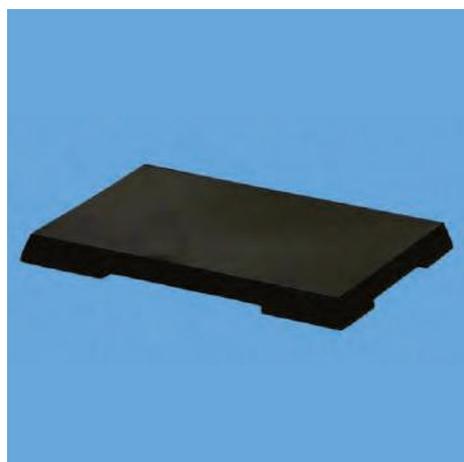
Cat. No.	Type	Pack of	Price / Piece
345/1	Hold upto 25mm	10	344.00
345/2	Hold upto 20mm	10	210.00



## 347 Stand, Rectangular

- Cast iron, Black painted
- Mild steel Rod.
- Chrome plated with L-Key.

Cat. No.	Stand Size (mm)	Rod Size (mm) (Length x Dia)	Pack of	Price / Piece
347/1	150x100	950 x 10	2	560.00
347/2	175x125	600 x 12.5	2	680.00
347/3	200x125	600 x 12.5	2	698.00
347/4	200x125	600 x 12	2	698.00
347/5	225x150	750 x 12	2	1098.00
347/6	250x150	600 x 12	2	1290.00
347/7	250x200	750 x 12	2	1710.00
347/8	300x175	900 x 12	2	1920.00
347/9	250x150	750 x 12	2	1460.00





## 347B Stand, Rectangular

- Stand : Mild Steel, Blue powder coating
- Mild steel Rod.
- Chrome plated with L-Key.

Cat. No.	Stand Size (mm)	Rod Size(mm) (Length x Dia)	Pack of	Price / Piece
347B/1	150x100	500 x 12	2	620.00
347B/2	200x125	600 x 12	2	880.00
347B/3	250x150	750 x 12	2	1176.00



## 348 Retort, Ring

- Mild Steel, Black painted
- With boss head

Cat. No.	Size (mm)	Pack of	Price / Piece
348/1	50	4	160.00
348/2	62.5	4	160.00
348/3	75	4	186.00
348/4	100	4	186.00
348/5	125	2	212.00
348/6	150	2	212.00
348/7	200	2	218.00



## 348A Retort, Ring

- Mild Steel, Chrome plated
- With rod or boss head.

Cat. No.	Rod/Boss Head Length (mm)	Rod/Boss Head Dia (mm)	Ring Dia (mm)	Type	Pack of	Price / Piece
348A/6	70	7	50	Boss Head	4	260.00
348A/7	70	7	70	Boss Head	4	280.00
348A/8	70	8	100	Boss Head	4	300.00
348A/9	70	8	120	Boss Head	2	338.00
348A/10	70	8	140	Boss Head	2	418.00



## 349 Tripod, Stand

- Material :Cast Iron, Black painted
- Available in Triangle or Round top.

Cat. No.	Size (mm)	Top	Pack of	Price / Piece
349/1	100 x 150	Round Top	1	210.00
349/2	100 x 175	Round Top	1	226.00
349/3	100 x 200	Round Top	1	242.00
349/4	125 x 150	Round Top	1	244.00
349/5	125 x 175	Round Top	1	254.00
349/6	125 x 200	Round Top	1	266.00
349/7	100 x 150	Triangle Top	1	210.00
349/8	100 x 175	Triangle Top	1	210.00
349/9	100 x 200	Triangle Top	1	232.00
349/10	125 x 150	Triangle Top	1	248.00
349/11	125 x 175	Triangle Top	1	242.00
349/12	125 x 200	Triangle Top	1	256.00



## 354 Spatula, Stainless Steel

- Grade 202.
- one end spoon & one end flat.

Cat. No.	Size (mm)	Pack of	Price / Piece
354/1	125	10	40.00
354/2	150	10	48.00
354/3	200	10	68.00
354/4	250	10	80.00
354/5	300	10	100.00



## 354A Spatula, Stainless Steel

- Grade 202.
- Both end flat.

Cat. No.	Size (mm)	Pack of	Price / Piece
354A/1	125	10	38.00
354A/2	150	10	48.00
354A/3	200	10	67.00
354A/4	250	10	70.00





SS  
202

## 354B Spatula, Knife

- Grade 202.
- With Wooden Handle.

Cat. No.	Size (mm)	Pack of	Price / Piece
354B/1	100	10	80.00
354B/2	150	10	100.00
354B/3	200	10	110.00
354B/4	250	10	150.00
354B/5	300	10	170.00



Black Paint

Cast Iron

## 356 Bunsen Burner

- Material :Cast Iron, Black painted
- Brass pipe, chrome plated
- With stopcock

Cat. No.	Type	Pack of	Price / Piece
356/1	Single Walled	1	490.00
356/2	Double Walled	1	550.00



Red Paint

Cast Iron

## 357 Mecker Burner

- Material :Cast Iron, Black painted
- Brass pipe, chrome plated

Cat. No.	Type	Pack of	Price / Piece
357/1	with Stopcock	1	1130.00
357/2	without Stopcock	1	920.00

# Rubberware



# RUBBERWARE



**19**

## Rubber Bellow With Cotton Net

For use with automatic burettes.

Cat. No.	Price / Piece
19/1	400.00



**19A**

## Atomizer Bulb

Typically, an atomizer is used to dispense something in small, controlled amounts.

Cat. No.	Price / Piece
19A/1	200.00

## Typical Properties of Vulcanized Rubber :

Property	Natural Rubber	Ethylene Propylene Diene Monomer	Neoprene	Nitrile	Silicone	Viton
International Symbol	NR	EPDM	CR	NBR	VMQ	FKM
Durometer Shore Hardness A	30-90	30-90	25-90	30-95	30-85	40-90
Tensile Strength	1	3	2	2	4	3
Elongation	1	3	2	2	4	3
Resilience	1	2	3	4	3	6
Cold Flexibility	2	3	3	4	1	5
Heat Resistance	6	4	4	4	1	1
Acid (25% H <sub>2</sub> SO <sub>4</sub> at 50°C)	4	1	2	2	4	1
Base (50% NaOH at 50°C)	2	1	2	6	6	1
Water (at 100°C)	5	4	3	2	5	3
Weathering and Ozone	4	1	2	5	1	1
Gas Permeability	5	4	3	2	6	1

Note : The technical data above is to be used as a guide only. OMSONS Glassware Private Limited does not guarantee the accuracy of the information and is not responsible for its end use.

## Pipette Bulbs

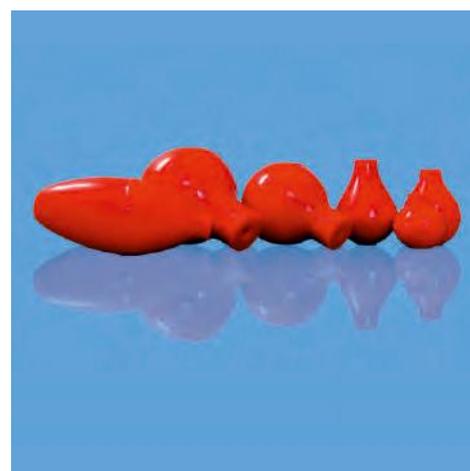
Rubber pipette bulb allows safe, manual control of filling or discharging toxic liquids through a pipette by finger pressure (thus avoiding mouth contact).

### 48 Silicon Rubber :

Cat. No.	Sizes	Capacity	Price / Piece
48/1	Small	5ml	66.00
48/2	Medium	10ml	80.00
48/3	Large	15ml	100.00
48/4	Extra large	20ml	120.00
48/5	Oval	25ml	180.00
48/6	Super Large	50ml	320.00
48/7	Extra Super Large	100ml	430.00

\* Small, Medium & Large available in Pack of 100.

\* Extra Large, Oval, Super Large & Extra Super Large available in Pack of 50.





## 48A Pipette Filler

These bulb type pipette fillers are designed for one hand operation. Pipette fillers improve worker safety by eliminating mouth pipetting and handling of hazardous materials.

Users can control air evacuation, liquid uptake, and liquid dispensing with three valves containing chemically resistant stainless steel balls. Pinching or releasing valves provides smooth liquid flow. Fits standard size pipettes.

Pipette filler with 3 valves:

Valve A : Release air

Valve S : Filling

Valve E : Delivery

Size : 50ml

Cat. No.	Rubber Type	Price / Piece
48B/1	Silicon Rubber	460.00
48B/2	Natural Rubber	140.00

\*Available in Pack of 25.



## 48A Natural Rubber :

Cat. No.	Sizes	Capacity	Price / Piece
48A/1	Small	5ml	32.00
48A/2	Medium	10ml	36.00
48A/3	Large	15ml	45.00
48A/4	Extra large	20ml	52.00
48A/5	Oval	25ml	86.00
48A/6	Super Large	50ml	132.00
48A/7	Extra Super Large	100ml	240.00

\* Small, Medium & Large available in Pack of 100.

\* Extra Large, Oval, Super Large & Extra Super Large available in Pack of 50.

## 120

### Flask Stand

With 12-step inner wall for good stability. Suitable for round bottom flasks, flat bottom flasks, beakers etc.  
Temp Range: -50°C to + 250°C

Cat. No.	Rubber Type	Price / Piece
120/1	Silicon Rubber	2250.00

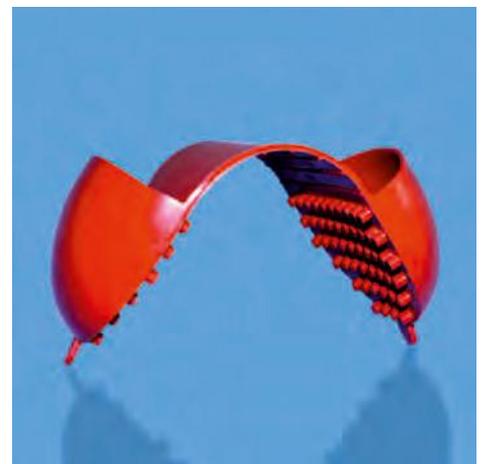


## 122

### Hand Protector

Helps maintain a secure grip on hot, cold, or slippery items such as bottles, glasses and beakers etc.  
Temp Range: -50° C to + 250° C

Cat. No.	Rubber Type	Price / Piece
122/1	Silicon Rubber	1308.00



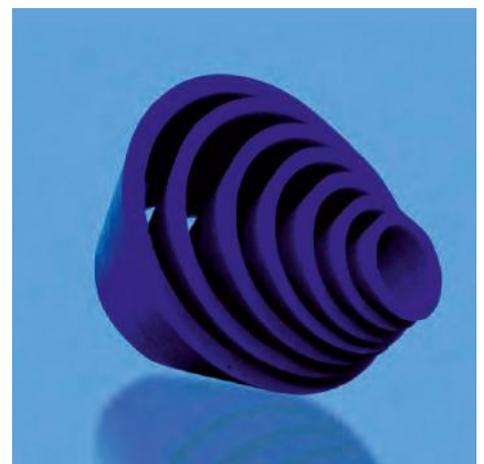
## 227

### Crucible Sleeves

For glass filtering flasks. Enables a clean & firm seal between funnels, vacuum filters, etc. and the flask.

Size	Bottom (in MM)	Top (in MM)	Height (in MM)	Wall Thickness (in MM)
1	11	22	20	2.5
2	22.5	28	20	2.5
3	23.5	36.5	25	3
4	28	46	30.5	3
5	38	56	35	3.5
6	47	68	41	4
7	57	81	43.5	5

Cat. No.	Rubber Type	Price / Piece
227/1	Natural Rubber	360.00
227/2	Silicone Rubber	960.00



\*Available in set of 7 pcs only.



## 364

### Natural Rubber Tubing

The tubing is suitable for laboratory, pharmaceutical, industrial and educational purposes.

Comes in Maroon colour.

Shore Hardness: 45A

Tolerance:  $\pm 0.2$ MM

Temp:  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Cat. No.	Inner Diameter (ID in MM)	Wall Thickness (W in MM)	Outer Diameter (OD in MM)	Pack of	Price / 10 Mtr.
364/1	4	1	6	10 Mtr.	350.00
364/2	5	1.5	8	10 Mtr.	440.00
364/3	6	1.5	9	10 Mtr.	548.00
364/4	7	1.5	10	10 Mtr.	632.00
364/5	8	1.5	11	10 Mtr.	680.00
364/6	9	2	13	10 Mtr.	810.00
364/7	10	2	14	10 Mtr.	980.00
364/8	12	2	16	10 Mtr.	1180.00



## 365

### High Pressure Tubing:

Made of Natural Rubber. It is resistant to light acids, light alkalis. The tubing is suitable for laboratory, pharmaceutical, industrial and educational purposes.

Shore Hardness: 50-55A

Tolerance:  $\pm 0.2$ MM

Temp:  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Cat. No.	Inner Diameter (ID in MM)	Wall Thickness (W in MM)	Outer Diameter (OD in MM)	Pack of	Price / 10Mtr
365/1	3	5.0	13	10 Mtr.	850.00
365/2	5	5.0	15	10 Mtr.	1008.00
365/3	6	5.0	16	10 Mtr.	1170.00
365/4	8	5.0	18	10 Mtr.	1440.00
365/5	9	5.0	19	10 Mtr.	1590.00
365/6	10	6.0	22	10 Mtr.	2466.00
365/7	12	6.0	24	10 Mtr.	2860.00



## 366

### Pressure Rubber Tubing:

Made of Natural Rubber It is resistant to light acids, light alkalis. The tubing is suitable for laboratory, pharmaceutical, industrial and educational purposes.

Shore Hardness :50-55A

Tolerance:  $\pm 0.2$ MM

Temp:  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Cat. No.	Inner Diameter (ID in MM)	Wall Thickness (W in MM)	Outer Diameter (OD in MM)	Pack of	Price / Piece
366/1	3	3	9	10 Mtr.	610.00
366/2	5	3	11	10 Mtr.	700.00
366/3	6	3	12	10 Mtr.	898.00
366/4	8	3	14	10 Mtr.	1070.00
366/5	9	3	15	10 Mtr.	1110.00
366/6	12	4	20	10 Mtr.	2320.00

\*Available in 10 meter coils.

## 366A

### Safety Burner Tube:

For use with Bunsen Burners.

It is available in Natural Rubber and Neoprene Rubber.

The burner tube has reinforced ends for better grip.

#### Natural Rubber :

Cat. No.	Sizes	Price / Piece
366A/1	450mm	150.00
366A/2	600mm	180.00
366A/3	900mm	220.00
366A/4	1000mm	240.00

\*Available in Pack of 10.



## 367

### Silicon Rubber Tubing:

It is suitable for laboratory, pharmaceutical, industrial, educational, medical, food grade etc usages.

Silicon rubber tubing is suitable for use over a temperature range of -50°C to 250°C.

Meets USP VI Standards and FDA 21 CFR 177.2600 compliant

Shore Hardness: 45A

Cat. No.	Inner Diameter (ID in MM)	Wall Thickness (W in MM)	Outer Diameter (OD in MM)	Pack of	Price / Piece
367/1	2	1	4	10 Mtr.	70.00
367/2	3	1	5	10 Mtr.	76.00
367/3	3	1.5	6	10 Mtr.	108.00
367/4	4	1	6	10 Mtr.	136.00
367/5	4	1.5	7	10 Mtr.	160.00
367/6	4	2	8	10 Mtr.	220.00
367/7	5	1	7	10 Mtr.	154.00
367/8	5	1.5	8	10 Mtr.	198.00
367/9	6	1	8	10 Mtr.	198.00
367/10	6	1.5	9	10 Mtr.	234.00
367/11	6	2	10	10 Mtr.	288.00
367/12	6	3	12	10 Mtr.	450.00
367/13	7	1.5	10	10 Mtr.	262.00
367/14	7	2	11	10 Mtr.	316.00
367/15	8	1.5	11	10 Mtr.	290.00
367/16	8	2	12	10 Mtr.	350.00
367/17	8	3	14	10 Mtr.	498.00
367/18	9	2	13	10 Mtr.	406.00
367/19	10	2	14	10 Mtr.	460.00
367/20	10	3	16	10 Mtr.	676.00
367/21	12	2	16	10 Mtr.	496.00
367/22	12	3.5	19	10 Mtr.	820.00
367/23	14	3	20	10 Mtr.	948.00
367/24	15	4	23	10 Mtr.	1296.00
367/25	16	3	22	10 Mtr.	1180.00
367/26	25	4	33	10 Mtr.	2480.00

\*Available in 10 meter coils.





## 369

### Filteration Rubber Cones

To avoid glass to glass contact. Used on many filtering apparatus, flasks, Buchner funnel etc.

Silicon Rubber Cones:

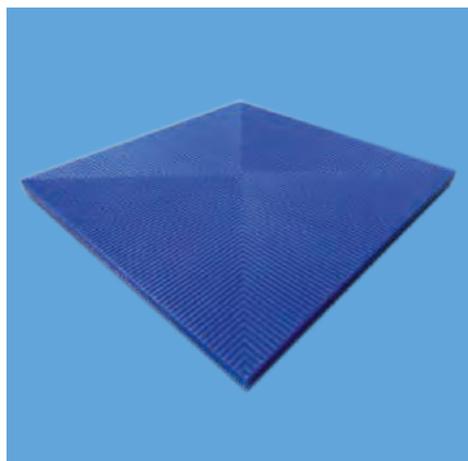
Cat. No.	Sizes	Price / Piece
369/1	250/500ml	378.00
369/2	1/2 Litre	666.00
369/3	5 Litre	846.00
369/4	10 Litre	1026.00

\*Available in Pack of 25.

Natural Rubber Cones:

Cat. No.	Sizes	Price / Piece
368/1	250/500ml	110.00
368/2	1/2 Litre	170.00
368/3	5 Litre	230.00
368/4	10 Litre	460.00

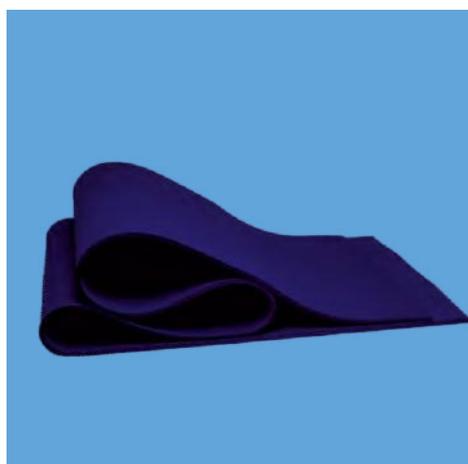
\*Available in Pack of 25.



## 370

### Laboratory Mat:

Cat. No.	Dimensions	Rubber Type	Price / Piece
370/1	12" x 12"	Natural Rubber	2810.00
370/2	12" x 12"	Silicone Rubber	4450.00



## 370A

### Sheet

Used to avoid direct surface contact of glassware products on the solid surface.

Cat. No.	Dimensions	Rubber Type	Price / Piece
370A/1	9.5" x 9.5" x 2.7mm	Natural Rubber	220.00
370A/2	9.5" x 9.5" x 2.7mm	Silicone Rubber	1852.00

## 371

### Turnover Flange Septa

These septa are ideal for moisture or air sensitive applications. When pierced with a needle, they have excellent re-sealing capability.

**For Test Tube: Non - Serrated in Natural Rubber**

Cat. No.	Sizes	Price / Piece
371/1	12mm	28.00
371/2	15mm	34.00
371/3	18mm	46.00
371/4	25mm	56.00

\*Available in Pack of 100.



## 372

**For Test Tube: Serrated in Natural Rubber**

Cat. No.	Sizes	Price / Piece
372/1	12mm	28.00
372/2	15mm	34.00
372/3	18mm	46.00
372/4	25mm	56.00

\*Available in Pack of 100.



## 373

**For Test Tube: Non - Serrated in Silicon Rubber**

Cat. No.	Sizes	Price / Piece
373/1	12mm	40.00
373/2	15mm	54.00
373/3	18mm	74.00
373/4	25mm	94.00

\*Available in Pack of 100.





## 374

### For Test Tube: Serrated in Silicon Rubber

Cat. No.	Sizes	Price / Piece
374/1	12mm	40.00
374/2	15mm	54.00
374/3	18mm	74.00
374/4	25mm	94.00

\*Available in Pack of 100.



## 375

### For Socket: Non-Serrated in Natural Rubber

Cat. No.	Sizes	Price / Piece
375/1	B - 14	48.00
375/2	B - 19	60.00
375/3	B - 24	70.00
375/4	B - 29	94.00

\*Available in Pack of 100.



## 376

### For Socket: Serrated in Natural Rubber

Cat. No.	Sizes	Price / Piece
376/1	B - 14	48.00
376/2	B - 19	60.00
376/3	B - 24	70.00
376/4	B - 29	94.00

\*Available in Pack of 100.

## 377

### For Socket: Non-Serrated in Silicon Rubber

Cat. No.	Sizes	Price / Piece
377/1	B - 14	74.00
377/2	B - 19	110.00
377/3	B - 24	128.00
377/4	B - 29	194.00

\*Available in Pack of 10.



## 378

### For Socket: Serrated in Silicon Rubber

Cat. No.	Sizes	Price / Piece
378/1	B - 14	74.00
378/2	B - 19	110.00
378/3	B - 24	128.00
378/4	B - 29	194.00

\*Available in Pack of 10.



## 379

### Teats

Teats are used in laboratory with droppers for dispensing drops or qualitative amounts of liquids or chemicals.

Cat. No.	Type	Rubber Type	Capacity	Pack of	Price / 1Piece
379/1	Conical	Silicon Rubber	1ml	10	298.00
379/2	Conical	Silicon Rubber	2-3ml	10	396.00
379/3	Conical	Natural Rubber	1ml	10	70.00
379/4	Conical	Natural Rubber	2-3ml	10	200.00
379/5	Round	Natural Rubber	1ml	10	70.00
379/6	Round	Latex Rubber	Small	10	108.00
379/7	Round	Latex Rubber	Large	10	174.00





## 381

### Corks / Stoppers:

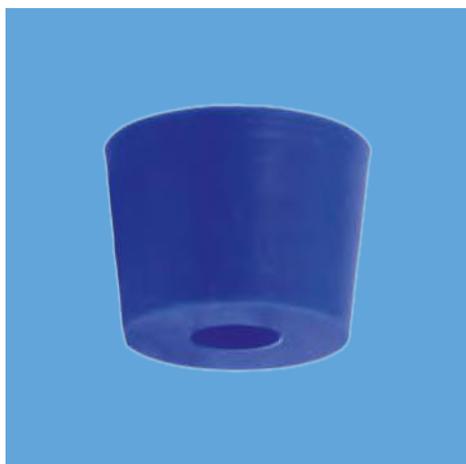
Various sizes are specially designed according to the industrial and laboratory glassware requirements.

Shore hardness is 45-50 A

Natural Rubber Solid Corks:

RANGE 1 (available in Maroon colour only)

Cat. No.	Cork Number (in MM) ±.2mm	Bottom (in MM) ±.2mm	Top (in MM) ±.2mm	Height	Pack of	Price / Piece
381/1	0	9	13	15.5	10	32.00
381/2	1	11	14	18.5	10	40.00
381/3	2	13	16.5	20	10	48.00
381/4	3	14	19	21	10	60.00
381/5	4	15	21	22	10	66.00
381/6	5	17.5	22.5	23	10	76.00
381/7	6	20	24.5	24	10	104.00
381/8	7	20	26	27.5	10	118.00
381/9	8	21	26.5	27.5	10	135.00
381/10	9	21.5	28	31	10	172.00
381/11	10	26	30	33	10	210.00
381/12	11	29	33	32	5	118.00
381/13	12	30	34.5	34.5	5	134.00
381/14	13	31	38.5	37	5	186.00
381/15	14	32	41.5	45.5	5	208.00
381/16	15	38	42	40.5	5	274.00
381/17	16	35	45	36.5	5	280.00
381/18	17	40	49.5	40.5	5	326.00



### Silicon Rubber Cork:

For Filtration Flasks

Cat. No.	Size	Price / Piece
381A/1	Small	148.00
381A/2	Big	220.00

## 382

### Silicon Rubber Corks:

Cat. No.	Cork Number	Bottom (in MM) ±.2mm	Top (in MM) ±.2mm	Height	Pack of	Price / Piece
382/1	9	9	11.5	20	10	18.00
382/2	11	11	14	24	10	28.00
382/3	13	13	16	24	10	36.00
382/4	15	15	18	24	10	46.00
382/5	17	17	20.5	26	10	56.00
382/6	18	18	21	26	10	64.00
382/7	19	19	22.5	28	10	74.00
382/8	23	23	26.5	28	10	108.00
382/9	25	25	28.5	28	5	128.00
382/10	27	27	31	32	5	150.00
382/11	29	29	33	32	5	194.00
382/12	31	31	36	35	5	250.00
382/13	33	33	38.5	38.5	5	320.00

\*Available in Pack of 10.





GERMANY

# Hydrometer



Omsons Hydrometers are precision instruments manufactured from the highest quality glass tubing especially selected to be free from stain and other defects. Precisely poised with lead shot sealed in a special wax ensures correct alignment.

Scales have clearly marked figures and graduations. Temperature adjustment is marked on the scale of each hydrometer.

Where applicable the Fiducial Mark enables calibration by our own NABL (ISO/IEC 17025:2005) Laboratory.

Omsons manufacture a multiplicity of hydrometers from Commercial Grade suitable for general use in laboratories and universities to hydrometers in accordance with IS, British, ASTM, API and other international recognized standards as well as hydrometers for specific applications, such as Density Hydrometer, Specific gravity, Lactometer, Alcohol, Brix, Twaddle etc. NABL Certified Calibration Certificates are available for All ranges of hydrometers.

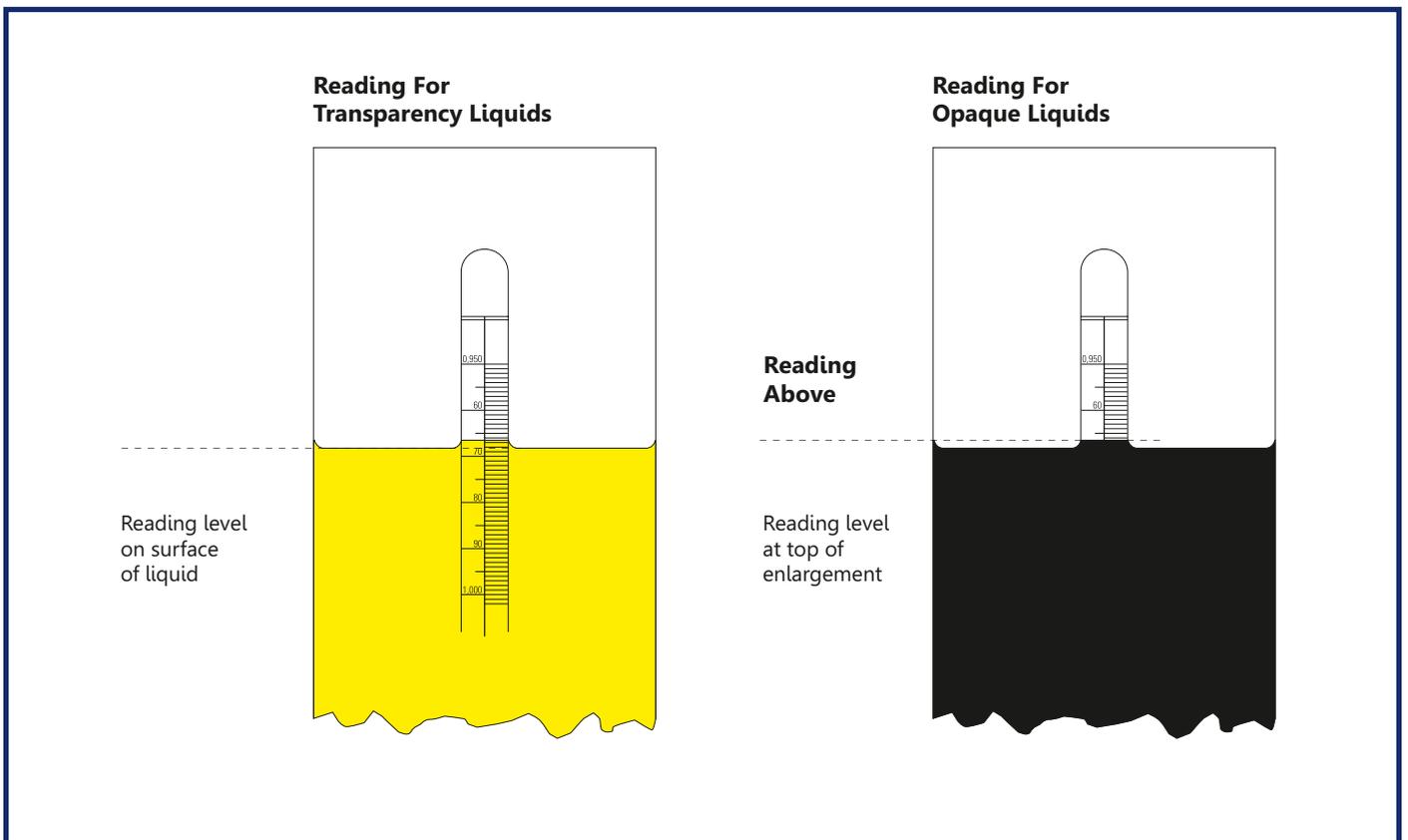
Omsons Hydrometers are now available as Thermo-Hydrometers (Hydrometers with an integral thermometer). This avoids the necessity of purchasing a separate thermometer to determine the temperature of the medium under test to ensure the correct adjustment is made to the hydrometer reading should it differ from the hydrometer calibrated (adjusted) temperature. Thermo-Hydrometers can be supplied with a unique non-toxic 'Safety Blue' filling. Blue Spirit and mercury filled versions are also available. API and density Thermo-Hydrometers for general laboratory use in industrial, scientific and educational establishments.

## PETROLEUM HYDROMETER:

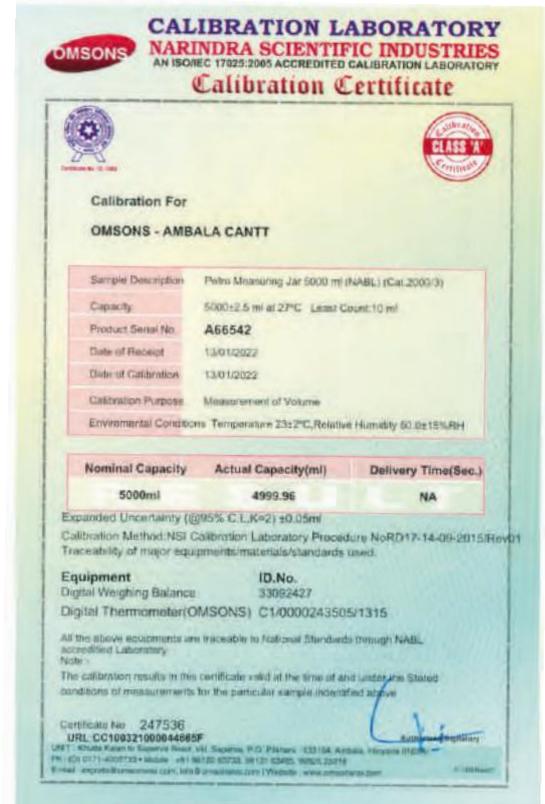
These Hydrometers are specifically designed for the testing of oil and petroleum related products as specified by the Institute of Petroleum. They can be supplied with NABL Certified Calibration Certificates traceable to National Standards. Calibrated for reading at the horizontal surface of the liquid they have higher tolerances than standard BS718 hydrometers. Available with Density (g/ml.) scales at 15°C.

**All other Hydrometers are also available with NABL (ISO/IEC 17025:2005) Certificate**

**Scale Reading For Liquids of Different Transparency**



## Flask Petro Measuring Jar For Petrol Pump use



Scan Me To Watch Product Video

### 2000 Measuring Glass Jar With Pour Out With NABL Calibration Certificate

Cat. No.	Capacity	Pack of	Price/Piece
2000/1	1000 ml	1	1400.00
2000/2	2000 ml	1	1600.00
2000/3	5000 ml	1	4800.00

- Suitable for Measurement of Petrol
- Calibrated as per weight & measure guidelines
- Made of Borosilicate Glass
- Each Jar packed in EPE foam box.

## Brass Petro Measuring Jar For Petrol Pump Use

### 2001

#### Brass Petro Measuring Jar For Petrol Pump Use Measuring Glass Jar

Cat. No.	Capacity	Pack of	Price/Piece
2001/1	5000 ml	1	On Request

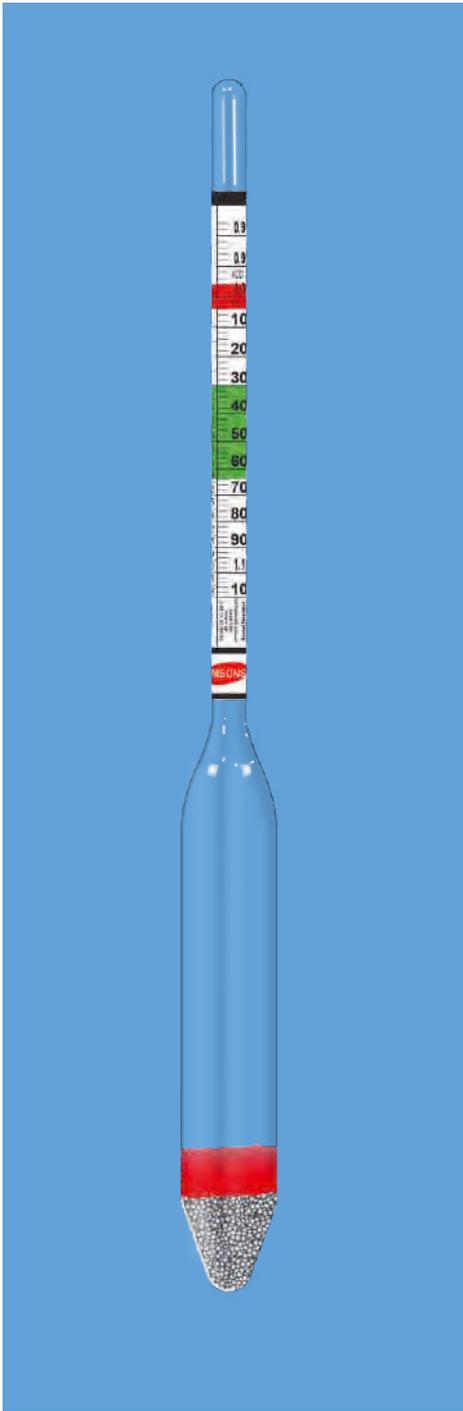
- Suitable for Measurement of Petrol
- Made of Brass
- Heavy weight material ( 2 kg approx.)



# WINE & BEER HYDROMETER

## 2163-2165 Wine and Beer Hydrometer

- Analytical Laboratories Shot & Wax Poised,
- Adjusted for use at 15°C
- Calibration 0.001, Max Length 270 mm
- Accuracy ± 0.0002

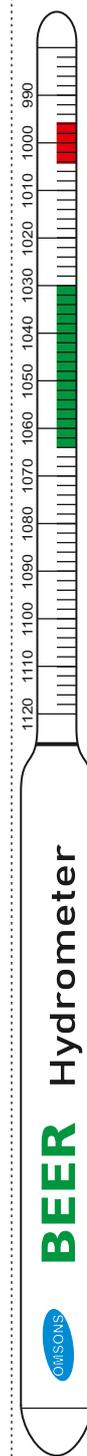


Cat. No.	Range	Price/Piece	With NABL Certificate Price ( )
2163	0.990-1.160 sp. gr., 0-20% vol., 0-35 brix	600.00	1000.00
2164	0.980-1.110 sp. gr., -2 to 14% vol., 26-288 sug\L	600.00	1000.00
2165	0.980-1.130 sp. gr., 3-17% vol., 0-16 be	600.00	1000.00

### TABLE

SPECIFIC GRAVITY	OECHSLE (degree)	SUGAR PER LITER	SUGAR PER GALLON (OZ)	POTENTIAL ALCOHOL CONTENT (%)
0.980	-20	-	-	-1.9
0.985	-15	-	-	-2.6
0.990	-10	-	-	-1.3
0.995	-5	-	-	-0.7
1.000	0	0	0	0.0
1.005	5	13	2	0.6
1.010	10	26	4	1.3
1.015	15	39	6	1.9
1.020	20	52	8	2.6
1.025	25	65	10	3.2
1.030	30	78	12	3.9
1.035	35	91	15	4.5
1.040	40	104	17	5.3
1.045	45	117	19	5.8
1.050	50	130	21	6.4
1.055	55	143	23	7.3
1.060	60	156	25	7.8
1.065	65	169	27	8.6
1.070	70	182	29	9.3
1.075	75	195	31	9.9
1.080	80	208	33	10.5
1.085	85	222	35	11.3
1.090	90	235	38	11.8
1.095	95	249	40	12.6
1.100	100	262	42	13.2
1.105	105	275	44	13.9
1.110	110	288	46	14.3
1.115	115	301	48	14.7
1.120	120	315	50	16.0
1.125	125	329	53	16.6
1.130	130	341	55	17.3
1.135	135	355	57	17.9
1.140	140	368	59	18.6
1.145	145	-	-	-
1.150	150	-	-	-

TEMPERATURE		CORRECTIONS TO THE FINAL SPECIFIC GRAVITY READING
°C	°F	
10	50	-0.002
15	59	-0.001
20	68	NONE
25	77	+ 0.001
30	86	+ 0.003
35	95	+ 0.004



With regular use, the BEER HYDROMETER will enable you to follow the progress of fermentation. As the sugar turns into alcohol the hydrometer will slowly sink. When fermentation is complete, the hydrometer will stop sinking. Starting SP.GR. could vary from 1.030 to 1.084. BEER SHOULD NOT BE BOTTLED until SP.GR. is below 1.006 or the bottle may burst. To help the beginner colored bands mark the scale. We recommended beginners to invest in a good BEER MAKING BOOK, to be better equipped to deal with any problems encountered. Sterilise all equipment to be used for testing your beer before starting with one of the many sterilising solutions available on the market.

**HOW TO ESTIMATE THE % ALCOHOL CONTENT** - To calculate the potential Alcohol content of your beer, measure the SP.GR. of the beer wort before fermentation has started and simply note the equivalent reading on the Potential Alcohol Scale.

**Example 1** - INITIAL SP.GR.: 1.090 = 11.6 ( before fermentation )  
FINAL SP.GR.: 1.010 = 1.3 ( after fermentation )  
Potential Alcohol content is 11.6 - 1.3 = 10.3 %

**HOW TO ESTIMATE HOW MUCH SUGAR TO ADD** - Your hydrometer can also be used to estimate the amount of sugar to add, to give the alcohol content you require. simply subtract the sugar content before fermentation from sugar content equivalent to desired strength, and add the difference.

**EXAMPLE** - For a desired strength of 5.8% alcohol, the sugar in grams per litre scale show you that you require 117 grams per litre of sugar. On testing your sample, you find it has a specific gravity of 1.030, using the equivalent scale you note that at present of sugar content is 78 grams per litre, therefore to arrive at desired strength you must add 39 grams of sugar per litre. (117-78=39)

**DO NOT BOIL**  
FOR ANALYSE OR MAKING  
OF YOUR HYDROMETER

**READING UPPER MENISCUS**

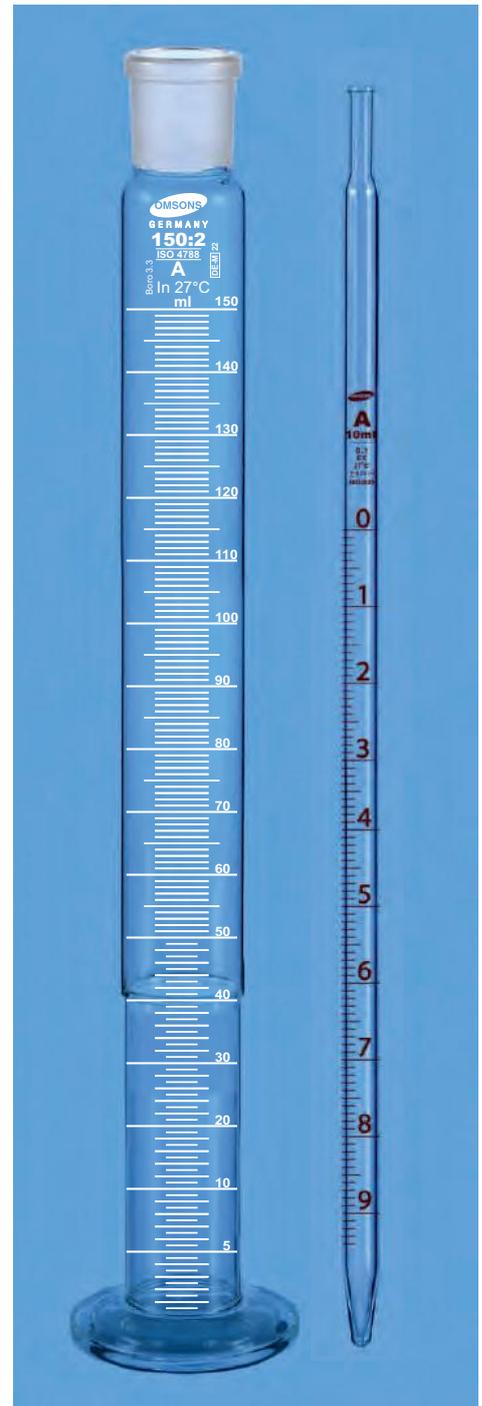
**TRIPLE SCALE  
BEER HYDROMETER  
SP.GR. - approx Sugar per LITRE - % VOL**  
with full instructions

**DIRECTION FOR USE**  
Handle your hydrometer with care. Draw off a sample of liquid to be tested into trial jar. Gently lower the hydrometer into the liquid until it floats freely. spin the hydrometer to eliminate any air bubbles clinging to the side, as if bubbles are present the hydrometer will not float freely. When the hydrometer has stopped moving, and is not in contact with the sides or bottom of trial jar, take reading as shown on the diagram. this hydrometer is calibrated to give correct reading at 20°C/68°F. If the temperature of liquid is higher than 20°C/68°F, the final Specific Gravity reading obtained should be adjusted as follows.

## 2166 Ethanol Kit

- Compliance with DIN/ISO 4788, 835
- With Individual **Class 'A'** Certificate with **NABL**
- Engraved in White
- Highly resistant to chemical attack.
- With Solid Glass Stopper
- These pipettes are graduated to deliver from any graduation line down to zero at the jet , with the last drop blowout.

Cat. No.	Description	Price / Piece
2166/1	Both the devices will be used to measure the amount of ethanol in petrol, it is mandatory to be on every Petrol Pump from now onwards, Without this you will not able check the quality of petrol. Graduated Measuring Cylinder with NABL Certificate 150 ml Graduated Glass Pipette With NABL Certificate 10 ml	1260.00



**Scan Me To Watch  
Product Video**

## Density Petroleum Kit M-50



**2002**

### Density Petroleum Kit M-50

With **NABL** Calibration Certificate

Validity From **1** to **5** Years

Calibration Certificate for Density Hydrometers & Thermometers.

(Traceable from N.P.L. Certificate) All goods packed in a convenient Leather case pack.

Cat. No.	Containing	Pack of	Price/Piece
2002/1	Hydrometer ISI Marked M - 50 SP 0.700 - 0.750 g/ml	1	3800.00
2002/2	Hydrometer ISI Marked M - 50 SP 0.750 - 0.800 g/ml	1	
2002/3	Hydrometer ISI Marked M - 50 SP 0.800 - 0.850 g/ml	1	
2002/4	Thermometer Range -10 to 50 C (Least count. 0.25)	1	
2002/5	OMSONS Filterpaper No.2 (90 mm)	1	
2002/6	Water Paste 100 gms.	1	
2002/7	Oil Paste (Dip Paste) 100 gms.	1	
2002/8	Glass Jar Borosilicate 500ml.	1	

# Density Petroleum Kit L-50



## 2002L

### Density Petroleum Kit L-50

With **NABL** Calibration Certificate

Validity From **1** to **5** Years

Calibration Certificate for Density Hydrometers & Thermometers.

(Traceable from N.P.L. Certificate) All goods packed in a convenient Leather case pack.

Cat. No.	Containing	Pack of	Price/Piece
2002L/1	Hydrometer ISI Marked L - 50 SP 0.700 - 0.750 g/ml	1	4550.00
2002L/2	Hydrometer ISI Marked L - 50 SP 0.750 - 0.800 g/ml	1	
2002L/3	Hydrometer ISI Marked L - 50 SP 0.800 - 0.850 g/ml	1	
2002L/4	Thermometer Range -10 to 50 C (Least count. 0.25)	1	
2002L/5	OMSONS Filterpaper No. 2 (90 mm)	1	
2002L/6	Water Paste 100 gms.	1	
2002L/7	Oil Paste (Dip Paste) 100 gms.	1	
2002L/8	Glass Jar Borosilicate 500ml.	1	

## Density Petroleum Kit M-50 with First aid Box



### 2002

#### Density Petroleum Kit M-50

With **NABL** Calibration Certificate

Validity From **1** to **5** Years

Calibration Certificate for Density Hydrometers & Thermometers.

(Traceable from N.P.L. Certificate) All goods packed in a convenient Leather Case pack.

Cat. No.	Containing	Pack of	Price/Piece
2002/1	Hydrometer ISI Marked M - 50 SP 0.700 - 0.750 g/ml	1	4100.00
2002/2	Hydrometer ISI Marked M - 50 SP 0.750 - 0.800 g/ml	1	
2002/3	Hydrometer ISI Marked M - 50 SP 0.800 - 0.850 g/ml	1	
2002/4	Thermometer Range -10 to 50 C (Least count. 0.25)	1	
2002/5	OMSONS Filterpaper No.2 (90 mm)	1	
2002/6	Water Paste 100 gms.	1	
2002/7	Oil Paste (Dip Paste) 100 gms.	1	
2002/8	Glass Jar Borosilicate 500ml.	1	
2002/9	First aid box	1	

## Density Petroleum Kit L-50 with First aid Box



### 2002

#### Density Petroleum Kit L-50

With **NABL** Calibration Certificate

Validity From **1** to **5** Years

Calibration Certificate for Density Hydrometers & Thermometers.

(Traceable from N.P.L. Certificate) All goods packed in a convenient Leather Case pack.

Cat. No.	Containing	Pack of	Price/Piece
2002/1	Hydrometer ISI Marked L - 50 SP 0.700 - 0.750 g/ml	1	4850.00
2002/2	Hydrometer ISI Marked L - 50 SP 0.750 - 0.800 g/ml	1	
2002/3	Hydrometer ISI Marked L - 50 SP 0.800 - 0.850 g/ml	1	
2002/4	Thermometer Range - 10 to 50 C (Least count. 0.25)	1	
2002/5	OMSONS Filterpaper No. 2 (90 mm)	1	
2002/6	Water Paste 100 gms.	1	
2002/7	Oil Paste (Dip Paste) 100 gms.	1	
2002/8	Glass Jar Borosilicate 500ml.	1	
2002/9	First aid box		



## 2003

### Water Finding Paste For Petroleum Use

Validity From 1 Years

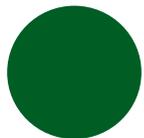
Cat. No.	Density	Pack of	Price/Piece
2003/1	Water Paste 100 GMS	1	110.00

**Usage:** Make sure dipping gadget is free from traces of oil and water, and apply thinly and evenly on the surface 8 -10 cms on either side of the anticipated 'cutting line'. Introduce gadget vertically into the tank till the coated and touches the tank bottom . Hold steady for 15-20 seconds and remove gently. Observe for sharp pink demarcation.

Scan Me To Watch  
Product Video



## Here's what to look for :



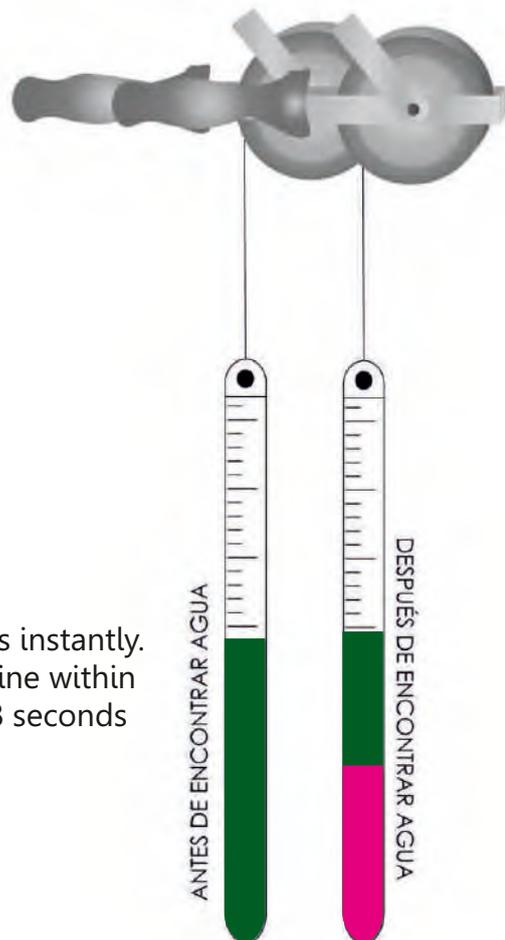
No paste color change :  
no water present in tank.



Color Changes to Pink :  
Clear indication of  
water in the tank.



Works instantly.  
Examine within  
5 to 8 seconds



## 2004

### Oil (DIP) Paste For Petroleum Use

Validity From 1 Years

Cat. No.	Density	Pack of	Price/Piece
2004/1	Oil Paste 100 GMS	1	110.00

**Usage:** Ensure oil free surface on dip gauge. Apply paste evenly 8-10 cm on either side of the anticipated petroleum level. Introduce gauge slowly into the tank till lower end touches the tank bottom. Withdraw gauge immediately. Observe for sharp red horizontal demarcation (on blue background) representing petroleum level. Wipe off container cap after removing paste and replace cap securely. Wipe off paste on dip gauge after test.



Scan Me To Watch Product Video

## Here's what to look for :



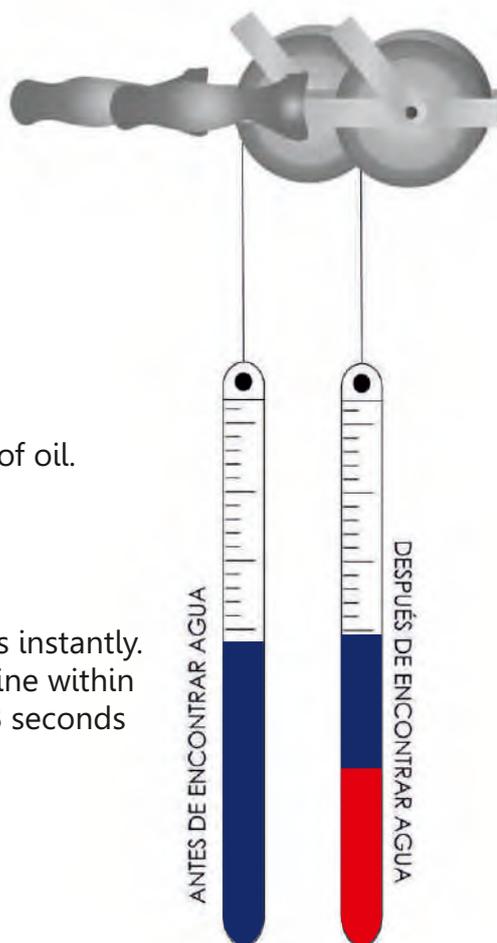
No paste color change :  
no oil present in tank.



Color Changes to Red  
or Sharp Line :  
Clear indication the Level of oil.



Works instantly.  
Examine within  
5 to 8 seconds



# PASTE



## 2003

### Modified Water Finding Paste For Petroleum Use

Validity From 1 Years

Cat. No.	Density	Pack of	Price/Piece
2003/1	Water Paste 100 GMS	1	170.00

**Usage:** Make sure dipping gadget is free from traces of oil and water, and apply thinly and evenly on the surface 8 -10 cms on either side of the anticipated 'cutting line'. Introduce gadget vertically into the tank till the coated and touches the tank bottom . Hold steady for 15-20 seconds and remove gently. Observe for sharp pink demarcation.

Scan Me To Watch  
Product Video



## Here's what to look for :



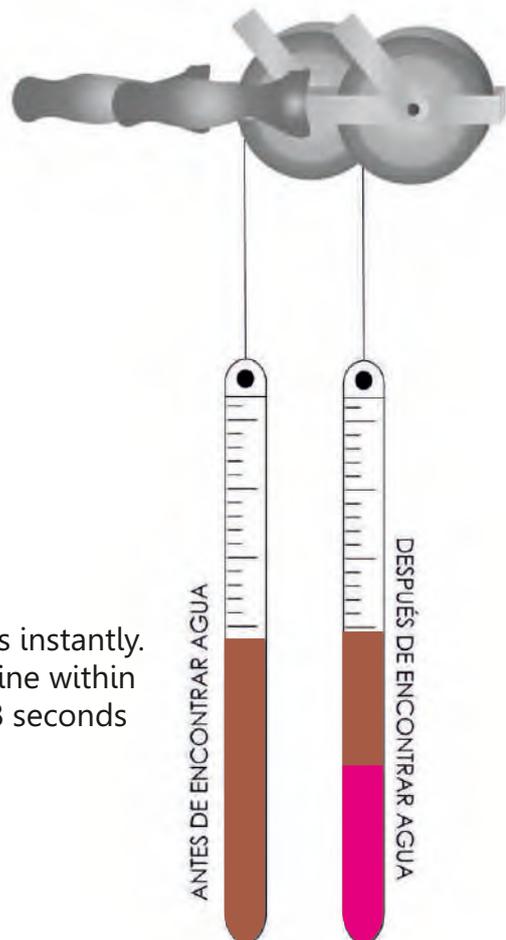
No paste color change :  
no water present in tank.



Color Changes to Pink :  
Clear indication of  
water in the tank.



Works instantly.  
Examine within  
5 to 8 seconds



## L2B

**Battery Hydrometer** Complete with Glass Barral and Full Accessories

- **ISI Mark** first in india,
- Use of railway Defence Navy, Thermal Power Plant.

Model No.	Range	Price/Piece	With NABL Certificate Price ( )
L2B	1.100-1.300 Sp, Gr at 27°C (±0.005)	300.00	900.00



## M2B

**Battery Hydrometer** Complete with Glass Barral and Full Accessories

- Use in Industry, House Hold Batteries etc.

Model No.	Range	Price/Piece	With NABL Certificate Price ( )
M2B	1.100 – 1.300 Sp, Gr 27°C	200.00	900.00



## S2B

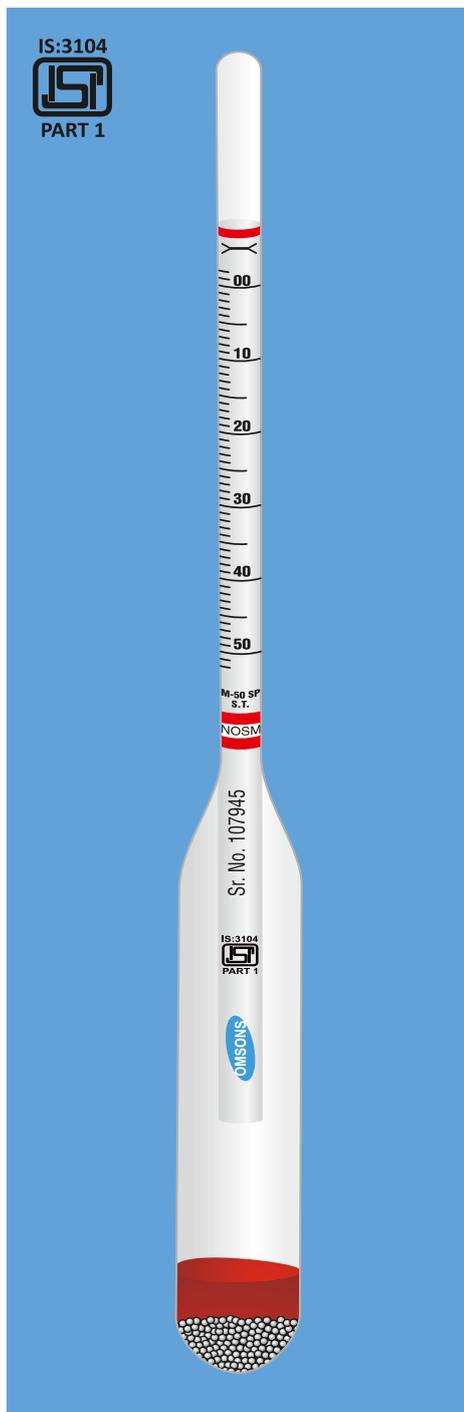
**Battery Hydrometer** Complete with Glass Barral and Full Accessories

- Use in Car, Scooter, Bikes etc.

Model No.	Range	Price/Piece	With NABL Certificate Price ( )
S2B	1.100-1.300 Sp, Gr at 27°C	210.00	900.00



# DENSITY HYDROMETERS



## 2006-2012

### Density Hydrometers ISI Mark M-50 SP

- Analytical Laboratories Shot & Wax Poised,
- Adjusted for use at 15°C
- Calibration 0.001, Max Length 270 mm
- Accuracy  $\pm 0.0002$



Cat. No.	Range	Price/Piece	With NABL Certificate Price ( )
2006	0.650 - 0.700 g/ml	250.00	450.00
2007	0.700 - 0.750 g/ml	250.00	450.00
2008	0.750 - 0.800 g/ml	250.00	450.00
2009	0.800 - 0.850 g/ml	250.00	450.00
2010	0.850 - 0.900 g/ml	250.00	450.00
2011	0.900 - 0.950 g/ml	250.00	450.00
2012	0.950 - 1.000 g/ml	250.00	450.00

## 2013-2019

### Density Hydrometers IS Mark L-50 SP.

- Analytical Laboratories Shot & Wax Poised
- Adjusted for use at 15°C
- Calibration 0.0005, Max Length 335 mm
- Accuracy  $\pm 0.0002$



Cat. No.	Range	Price/Piece	With NABL Certificate Price ( )
2006	0.650 - 0.700 g/ml	500.00	700.00
2007	0.700 - 0.750 g/ml	500.00	700.00
2008	0.750 - 0.800 g/ml	500.00	700.00
2009	0.800 - 0.850 g/ml	500.00	700.00
2010	0.850 - 0.900 g/ml	500.00	700.00
2011	0.900 - 0.950 g/ml	500.00	700.00
2012	0.950 - 1.000 g/ml	500.00	700.00

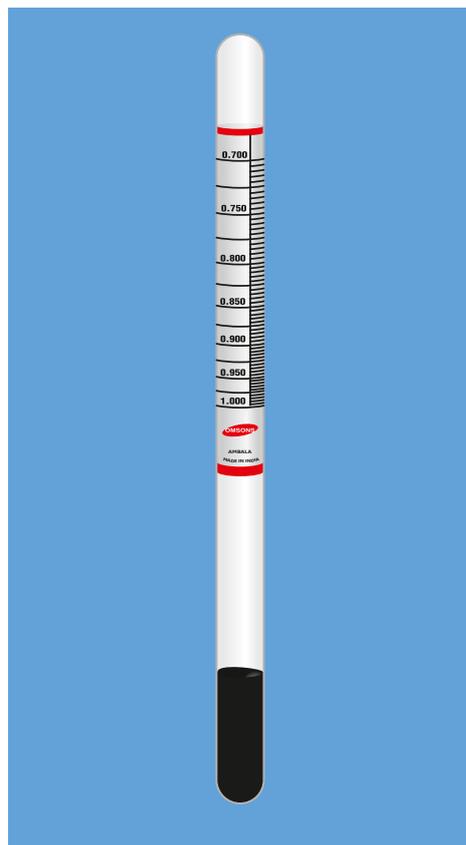
## 2020-2024

### Specific Gravity / Baume

- Glass Hydrometers.
- General Purpose Shot & Wax Poised,
- Adjusted For Use At 20°C



Cat. No.	Specific Gravity - °Be Range	Price/Piece	With NABL Certificate Price
2020	Heavy Liquid 1.000 - 2.000 / 0 - 70°Be	80.00	700.00
2021	Light Liquid 0.700 - 1.000 / 10 - 70°Be	80.00	700.00
2022	1.000 - 1.500 / 0 - 50°Be	160.00	700.00
2023	1.500 - 2.000 / 50 - 70°Be	180.00	700.00
2024	Universal 0.700 - 2.000 / 70 - 72°Be	160.00	700.00

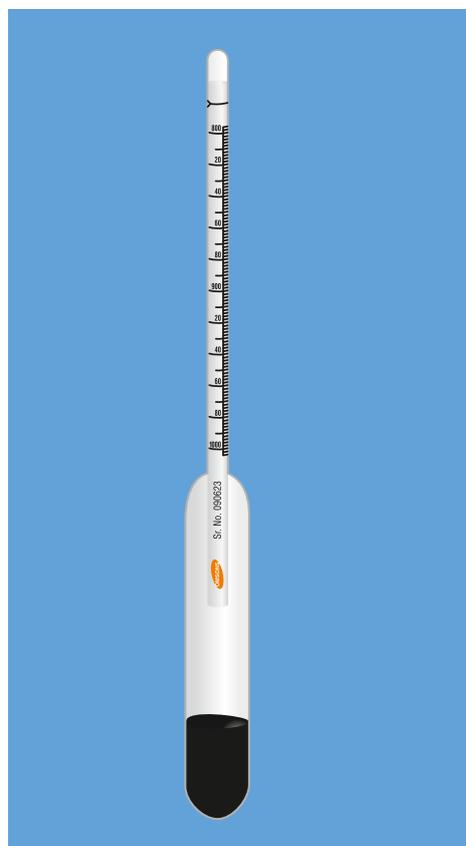


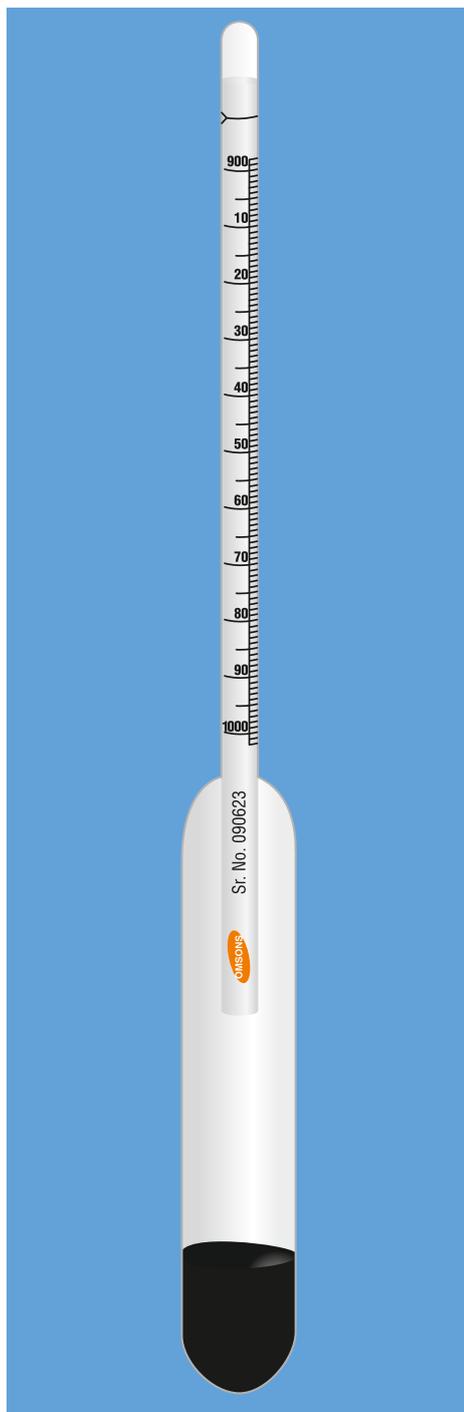
## 2025-2031

### Specific Gravity Glass Hydrometers General Purpose

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Specific Gravity Range	Price/Piece	With NABL Certificate Price
2025	0.600-0.800 Sp.Gr.	160.00	700.00
2026	0.800-1.000 Sp.Gr.	160.00	700.00
2027	1.000-1.200 Sp.Gr.	160.00	700.00
2028	1.200-1.400 Sp.Gr.	160.00	700.00
2029	1.400-1.600 Sp.Gr.	160.00	700.00
2030	1.600-1.800 Sp.Gr.	300.00	700.00
2031	1.800-2.000 Sp.Gr.	400.00	700.00





## 2032-2045

### Specific Gravity Glass Hydrometers

- Heavy Chemical Industrial Plant Laboratories
- Shot & Wax Poised
- Adjusted For Use At 20°C



Cat. No.	Specific Gravity Range	Price/Piece	With NABL Certificate Price ( )
2032	0.600 - 0.700 Sp.Gr.	200.00	700.00
2033	0.700 - 0.800 Sp.Gr.	160.00	700.00
2034	0.800 - 0.900 Sp.Gr.	160.00	700.00
2035	0.900 - 1.000 Sp.Gr.	160.00	700.00
2036	1.000 - 1.100 Sp.Gr.	160.00	700.00
2037	1.100 - 1.200 Sp.Gr.	160.00	700.00
2038	1.200 - 1.300 Sp.Gr.	160.00	700.00
2039	1.300 - 1.400 Sp.Gr.	160.00	700.00
2040	1.400 - 1.500 Sp.Gr.	180.00	700.00
2041	1.500 - 1.600 Sp.Gr.	180.00	700.00
2042	1.600 - 1.700 Sp.Gr.	180.00	700.00
2043	1.700 - 1.800 Sp.Gr.	180.00	700.00
2044	1.800 - 1.900 Sp.Gr.	400.00	700.00
2045	1.900 - 2.000 Sp.Gr.	400.00	700.00

## 2046-2073

### Specific Gravity Glass Hydrometers

- For analytical Use
- Shot & Wax Poised
- Adjusted For Use At 20°C



Cat. No.	Specific Gravity Range	Price/Piece	With NABL Certificate Price ( )
2046	0.600 - 0.650 Sp.Gr.	300.00	700.00
2047	0.650 - 0.700 Sp.Gr.	200.00	700.00
2048	0.700 - 0.750 Sp.Gr.	200.00	700.00
2049	0.750 - 0.800 Sp.Gr.	200.00	700.00
2050	0.800 - 0.850 Sp.Gr.	200.00	700.00
2051	0.850 - 0.900 Sp.Gr.	200.00	700.00
2052	0.900 - 0.950 Sp.Gr.	200.00	700.00
2053	0.950 - 1.000 Sp.Gr.	200.00	700.00
2054	1.000 - 1.050 Sp.Gr.	200.00	700.00
2055	1.050 - 1.100 Sp.Gr.	200.00	700.00
2056	1.100 - 1.150 Sp.Gr.	200.00	700.00
2057	1.150 - 1.200 Sp.Gr.	200.00	700.00
2058	1.200 - 1.250 Sp.Gr.	200.00	700.00
2059	1.250 - 1.300 Sp.Gr.	200.00	700.00
2060	1.300 - 1.350 Sp.Gr.	200.00	700.00
2061	1.350 - 1.400 Sp.Gr.	200.00	700.00
2062	1.400 - 1.450 Sp.Gr.	200.00	700.00
2063	1.450 - 1.500 Sp.Gr.	200.00	700.00
2064	1.500 - 1.550 Sp.Gr.	220.00	700.00
2065	1.550 - 1.600 Sp.Gr.	220.00	700.00
2066	1.600 - 1.650 Sp.Gr.	220.00	700.00
2067	1.650 - 1.700 Sp.Gr.	220.00	700.00
2068	1.700 - 1.750 Sp.Gr.	220.00	700.00
2069	1.750 - 1.800 Sp.Gr.	400.00	700.00
2070	1.800 - 1.850 Sp.Gr.	400.00	700.00
2071	1.850 - 1.900 Sp.Gr.	400.00	700.00
2072	1.900 - 1.950 Sp.Gr.	400.00	700.00
2073	1.950 - 2.000 Sp.Gr.	400.00	700.00

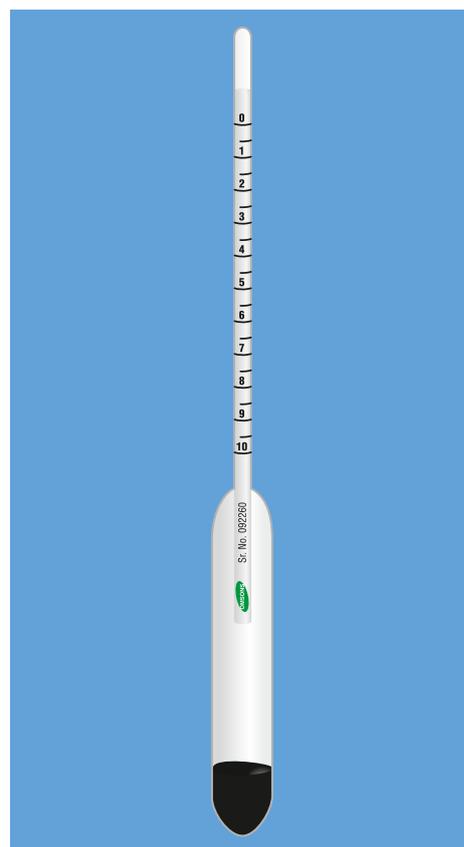


## 2074-2088

### Baume ( °Be) Glass Hydrometers

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Range °Be	Price/Piece	With NABL Certificate Price ( )
2074	00.0 - 10.0 °Be	160.00	700.00
2075	10.0 - 20.0 °Be	160.00	700.00
2076	20.0 - 30.0 °Be	160.00	700.00
2077	30.0 - 40.0 °Be	160.00	700.00
2078	40.0 - 50.0 °Be	160.00	700.00
2079	50.0 - 60.0 °Be	180.00	700.00
2080	60.0 - 70.0 °Be	180.00	700.00
2081	00.0 - 20.0 °Be	180.00	700.00
2082	20.0 - 40.0 °Be	180.00	700.00
2083	40.0 - 60.0 °Be	180.00	700.00
2084	00.0 - 30.0 °Be	160.00	700.00
2085	30.0 - 60.0 °Be	180.00	700.00
2086	00.0 - 40.0 °Be	180.00	700.00
2087	00.0 - 50.0 °Be	180.00	700.00
2088	00.0 - 70.0 °Be	160.00	700.00

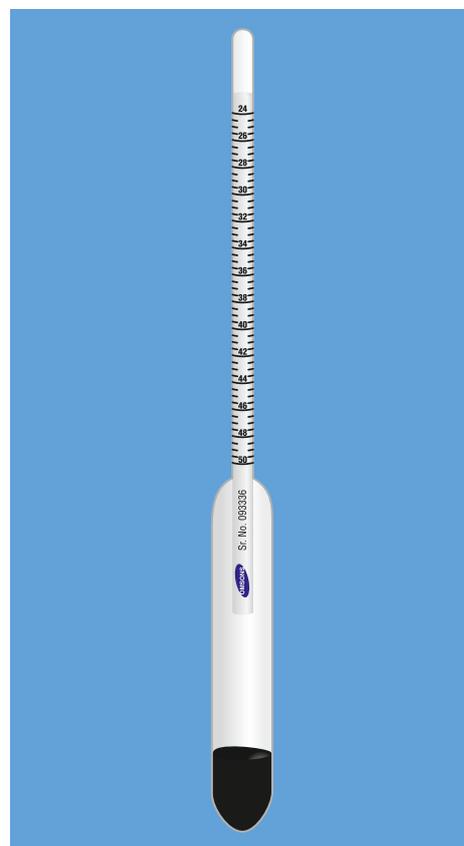


## 2089-2094

### Twaddle Glass Hydrometers

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Range Twaddle	Price/Piece	With NABL Certificate Price ( )
2089	0 - 26 °Tw / Tw No. 1	180.00	700.00
2090	24 - 50 °Tw / Tw No. 2	180.00	700.00
2091	48 - 74 °Tw / Tw No. 3	180.00	700.00
2092	72 - 104 °Tw / Tw No. 4	190.00	700.00
2093	102 - 138 °Tw / Tw No. 5	190.00	700.00
2094	136 - 174 °Tw / Tw No. 6	190.00	700.00



# GLASS HYDROMETERS



## 2095-2106 Brix (°Bx) Glass Hydrometers

- Built-in Thermometers (Thermohydrometers)
- Shot & Wax Poised
- Adjusted For Use At 20°C /\*27.5°C

Cat. No.	Range Brix (°Bx)	Price/Piece	With NABL Certificate Price( )
2095	00.0 - 10.0 °Bx.	550.00	1200.00
2096	10.0 - 20.0 °Bx.	550.00	1200.00
2097	20.0 - 30.0 °Bx.	550.00	1200.00
2098	30.0 - 40.0 °Bx.	550.00	1200.00
2099	40.0 - 50.0 °Bx.	550.00	1200.00
2100	50.0 - 60.0 °Bx.	550.00	1200.00
2101	60.0 - 70.0 °Bx.	550.00	1200.00
2102	70.0 - 80.0 °Bx.	600.00	1200.00
2103	80.0 - 90.0 °Bx.	600.00	1200.00
2104	00.0 - 30.0 °Bx.	550.00	1200.00
2105	30.0 - 60.0 °Bx.	550.00	1200.00
2106	60.0 - 90.0 °Bx.	550.00	1200.00



## 2107-2118 Brix (°Bx) Glass Hydrometers

- °Bx = % Sucrose (Sugar) In Water
- Shot & Wax Poised
- Adjusted For Use At 20°C /\*27.5°C



Cat. No.	Range Brix (°Bx)	Price/Piece	With NABL Certificate Price( )
2107	00.0 - 10.0 °Bx.	280.00	700.00
2108	10.0 - 20.0 °Bx.	280.00	700.00
2109	20.0 - 30.0 °Bx.	280.00	700.00
2110	30.0 - 40.0 °Bx.	280.00	700.00
2111	40.0 - 50.0 °Bx.	280.00	700.00
2112	50.0 - 60.0 °Bx.	280.00	700.00
2113	60.0 - 70.0 °Bx.	280.00	700.00
2114	70.0 - 80.0 °Bx.	280.00	700.00
2115	80.0 - 90.0 °Bx.	280.00	700.00
2116	00.0 - 30.0 °Bx.	280.00	700.00
2117	30.0 - 60.0 °Bx.	280.00	700.00
2118	60.0 - 90.0 °Bx.	280.00	700.00



## 2119-2120 Soil Glass Hydrometers

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Range (°Soil)	Price/Piece	With NABL Certificate Price( )
2119	0.995 - 1.030 Sp. Gr..	300.00	700.00
2120	-5 - 60.0 Sp. Gr.	350.00	700.00



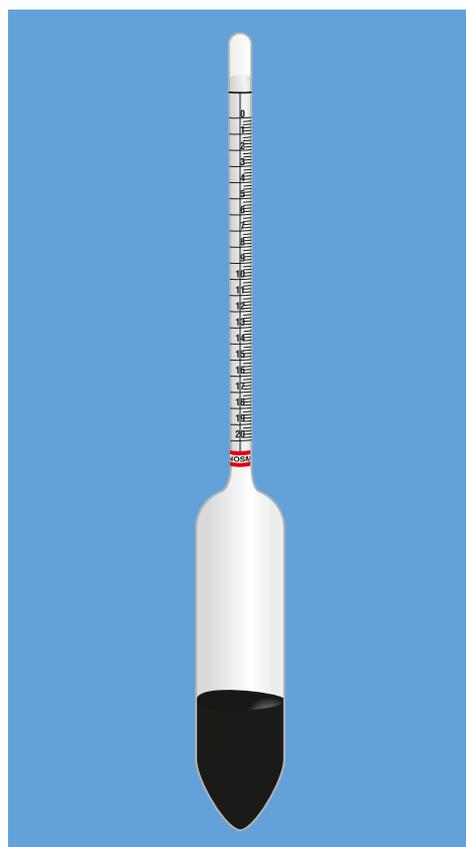


## 2121-2127

### Sikes (°SK) Glass Hydrometers

- Distillery & Alcohol Industries
- Shot & Wax Poised
- Adjusted For Use At 51°F

Cat. No.	Range °Sikes	Price/Piece	With NABL Certificate Price( )
2121	00.0 - 20.0 °Ask	280.00	700.00
2122	00.0 - 20.0 °Sk	280.00	700.00
2123	20.0 - 40.0 °Sk	280.00	700.00
2124	40.0 - 60.0 °Sk	280.00	700.00
2125	60.0 - 80.0 °Sk	280.00	700.00
2126	80.0 - 100.0 °Sk	280.00	700.00
2127	60.0 - 90.0 °Sk	280.00	700.00



## 2128-2132

### Glass Alcoholometer

- Gay Lussac % v/v Ethyl Alcohol In Water
- Shot & Wax Poised
- Adjusted For Use @ 20°C

Cat. No.	Range v/v % Alcohol	Price/Piece	With NABL Certificate Price( )
2128	00.0 - 20.0 %	600.00	1000.00
2129	20.0 - 40.0 %	600.00	1000.00
2130	40.0 - 60.0 %	600.00	1000.00
2131	60.0 - 80.0 %	600.00	1000.00
2132	80.0 - 100.0 %	600.00	1000.00



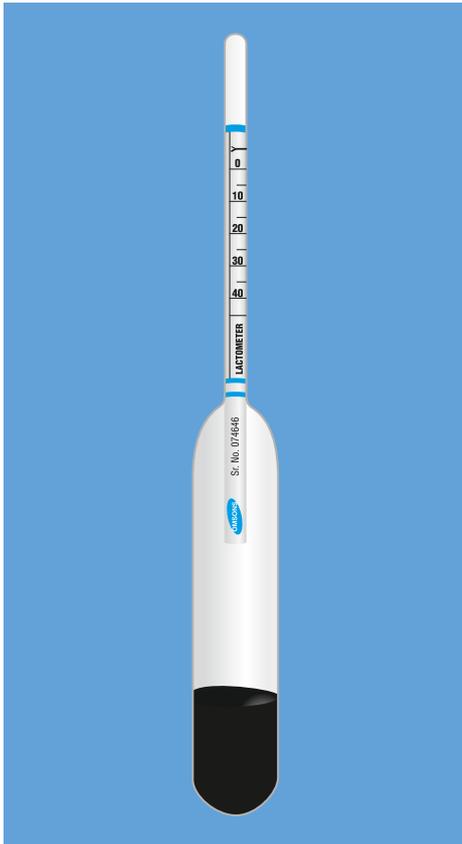
## 2133-2135

### Glass Alcoholometer

- Gay Lussac % v/v Ethyl Alcohol In Water
- Shot & Wax Poised
- Adjusted For Use @ 20°C

Cat. No.	Range v/v % Alcohol	Price/Piece	With NABL Certificate Price( )
2133	0 - 100 %	160.00	700.00
2134	90 - 100 %	600.00	800.00
2135	94 - 104 %	600.00	800.00

# GLASS HYDROMETERS



## 2136 Lactometers (Black)

- Shot & Wax Poised
- Adjusted For Use At 84°F

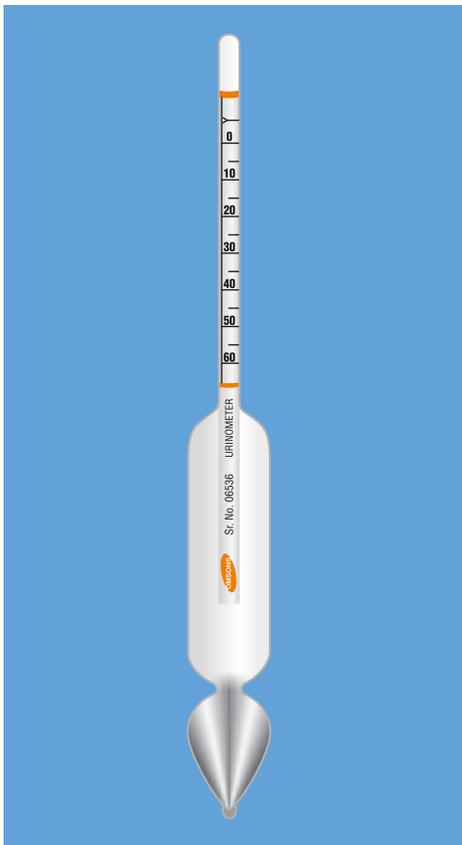
Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price( )
2136	1.000 - 1.040	80.00	700.00



## 2137 Lactometers (Silver Coated)

- Shot & Wax Poised
- Adjusted For Use At 84°F

Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price( )
2137	1.000 - 1.040	90.00	700.00



## 2138 Lactometers (Black)

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price( )
2138	1.000 - 1.060	80.00	700.00



## 2139 Lactometers (Silver Coated)

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price( )
2139	1.000 - 1.060	90.00	700.00

## 2140

### Wine Testing Kit Complete

Cat. No.	Containing	Pack of	Price / Piece
2140	Hydrometer SIKES 55 - 90°SK	1	1400.00
	Thermometer -20 to 120°F	1	
	Sikes table book	1	
	Glass Jar (Borosilicate) 100 ml	1	



## 2141-2150

### Brass Baume Hydrometers

• Adjusted For Use @ 20°C

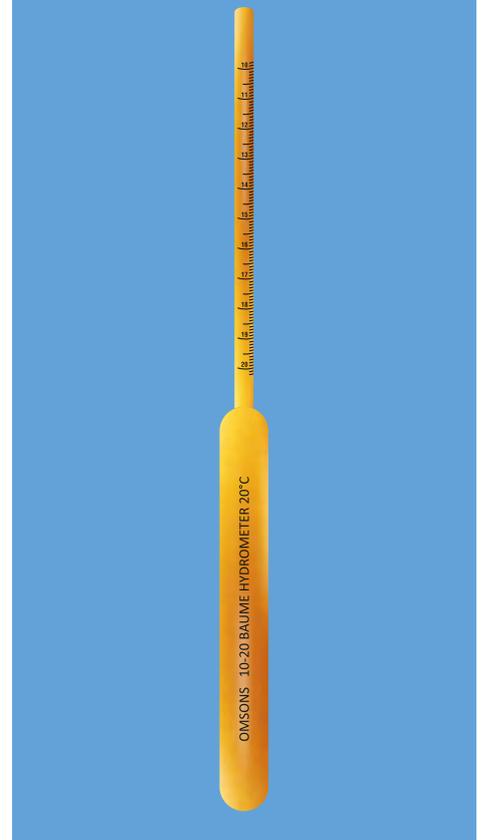
Cat. No.	Range °Be	Price/Piece	With NABL Certificate Price ( )
2141	00.0 - 10.0 °Be	700.00	1000.00
2142	10.0 - 20.0 °Be	700.00	1000.00
2143	20.0 - 30.0 °Be	700.00	1000.00
2144	30.0 - 40.0 °Be	700.00	1000.00
2145	40.0 - 50.0 °Be	700.00	1000.00
2146	50.0 - 60.0 °Be	700.00	1000.00
2147	60.0 - 70.0 °Be	700.00	1000.00
2148	00.0 - 20.0 °Be	700.00	1000.00
2149	20.0 - 40.0 °Be	700.00	1000.00
2150	40.0 - 60.0 °Be	700.00	1000.00

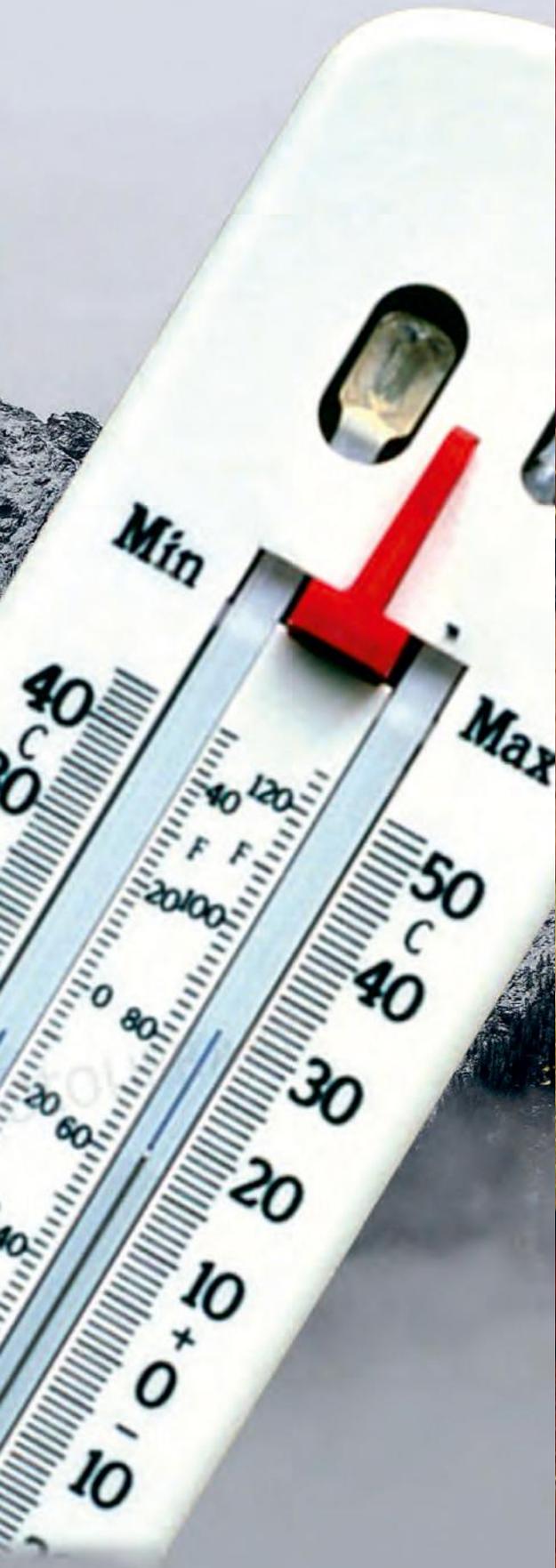
## 2151-2162

### Brass Brix Hydrometers

• Adjusted For Use @ 20°C

Cat. No.	Range Brix (°Bx)	Price/Piece	With NABL Certificate Price ( )
2151	00.0 - 10.0 °Bx.	700.00	1000.00
2152	10.0 - 20.0 °Bx.	700.00	1000.00
2153	20.0 - 30.0 °Bx.	700.00	1000.00
2154	30.0 - 40.0 °Bx.	700.00	1000.00
2155	40.0 - 50.0 °Bx.	700.00	1000.00
2156	50.0 - 60.0 °Bx.	700.00	1000.00
2157	60.0 - 70.0 °Bx.	700.00	1000.00
2158	70.0 - 80.0 °Bx.	700.00	1000.00
2159	80.0 - 90.0 °Bx.	700.00	1000.00
2160	00.0 - 30.0 °Bx.	700.00	1000.00
2161	30.0 - 60.0 °Bx.	700.00	1000.00
2162	60.0 - 90.0 °Bx.	700.00	1000.00







# Thermometers

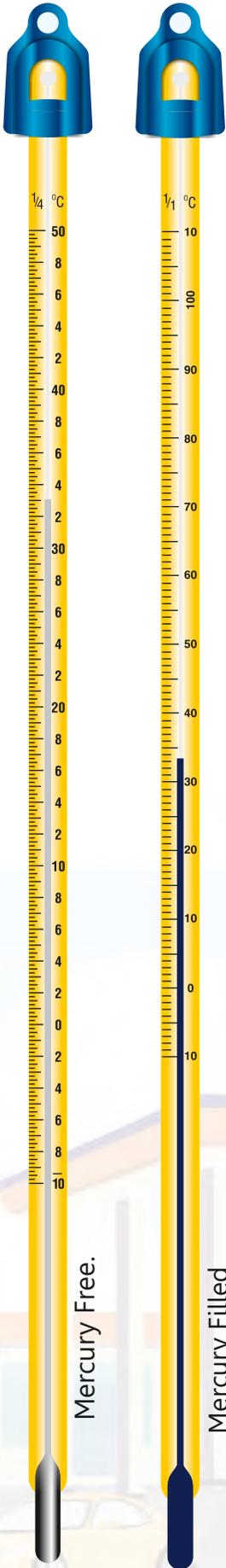
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OMSONS has manufactured thermometers since 1983 and Complimenting our production facilities the company provides a calibration services operating its own Laboratory where in addition to having new thermometers tested customers may also have existing instruments re-calibrated.

With increasing demand for an alternative to mercury a wide choice of organic non hazardous filling material are now available.

Omsons Laboratory Thermometers are quality precision instruments manufactured in compliance with the relevant standard. Made from the highest quality lead, normal, or borosilicate glass that has a uniform capillary bore and is free from strain. The thermometers are scientifically annealed and artificially aged before calibration to ensure stability and to maintain accuracy. Top expansion chambers are provided where necessary to allow for overheating and to facilitate rejoining of the mercury column should it become separated in transit or use. The triple distilled Mercury fillings have pressurized nitrogen gas above the column to provide reliable readings at the lowest temperatures on the scale. Thermometer scales are permanently screen printed into the glass. Each instrument is packed in a protective plastic container.

Omsons IP Thermometers are quality precision instruments manufactured in accordance with the specifications drawn up by the Institute of Petroleum (IP). They are for use with specific methods for the testing of petroleum and its derivatives. Many of the tests and instrument specifications are jointly agreed with ASTM International, formally known as the American Society for Testing and Materials (ASTM). These thermometers are included in IS Standards. Despite being designed for specific tests, many of them will have other uses as high precision thermometers. With NABL Certificates are available.



## 3001-3003A Petroleum Glass Thermometer

- Available in with Certificate and without Certificate
- Available In Yellow And White Glass.
- Amber Screen Printing.
- Available In **Mercury & Mercury Free.**
- Individually Packed In Plastic Case.

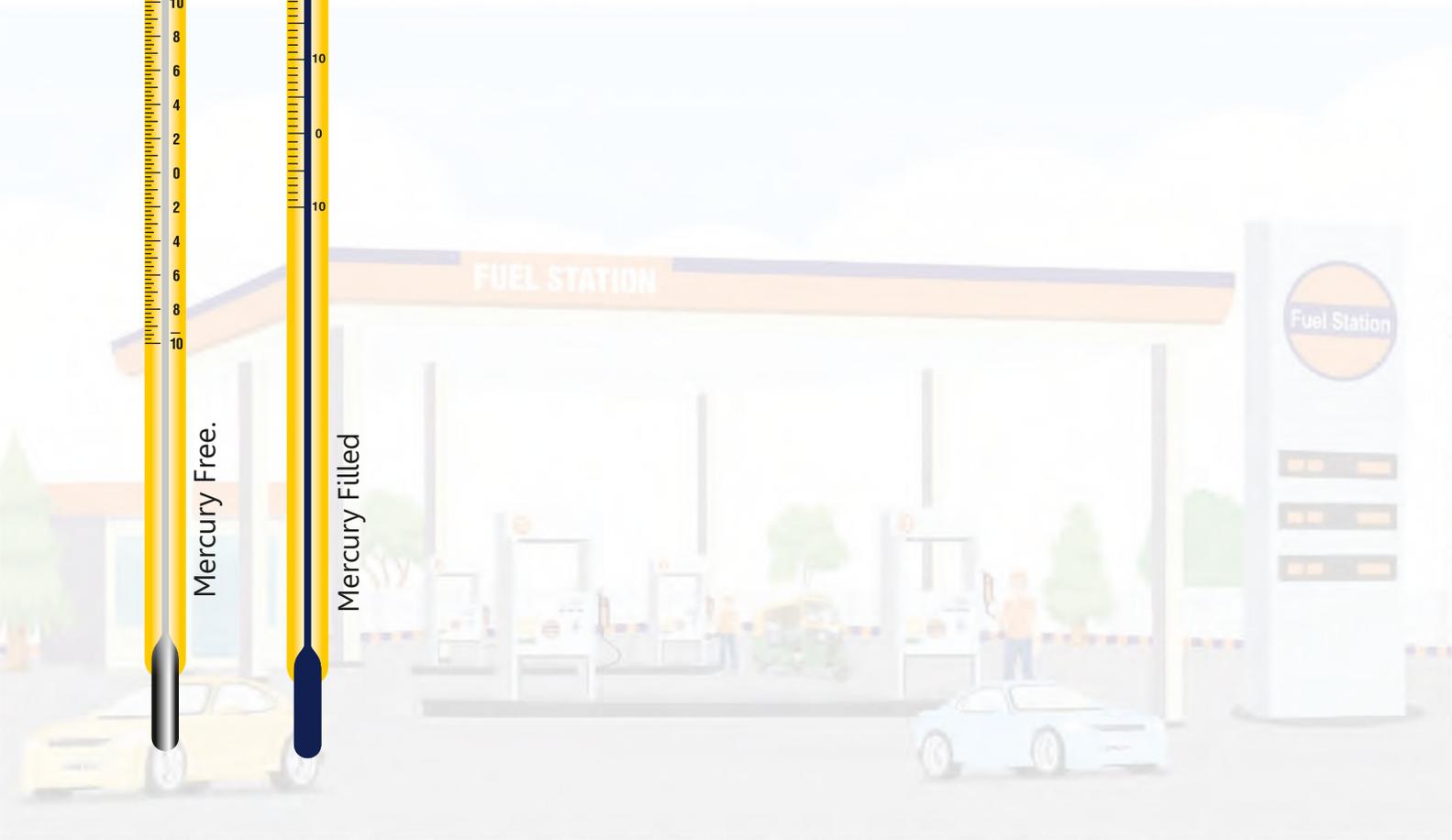


Cat No.	Range	Least count °C	Total Length	Pack of	Price / Piece	With NABL Certificate Price
3001	-10 to 50°C Mercury Filled	0.25 (1/4)	300mm	10	240.00	440.00
3001A	-10 to 50°C Mercury Free	0.25 (1/4)	300mm	10	240.00	440.00
3002	-10 to 50°C Mercury Filled	0.50 (1/2)	300mm	10	240.00	440.00
3002A	-10 to 50°C Mercury Free	0.50 (1/2)	300mm	10	240.00	440.00
3003	-20 to 102°C IP-64C Mercury Filled	0.20 (1/5)	420mm	10	600.00	800.00
3003A	-20 to 102°C IP-64C Mercury Free	0.20 (1/5)	420mm	10	600.00	800.00



Scan Me To Watch  
Product Video

## FIRST TIME IN INDIA

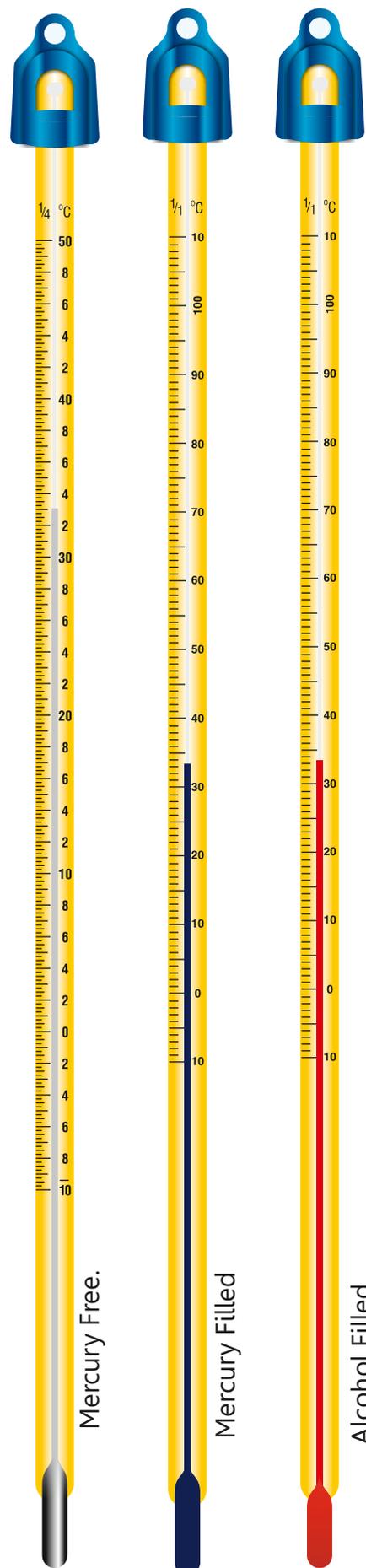


## 3004-3019

### General Purpose Glass Thermometer

- Available in with Certificate and without Certificate
- Available In Yellow And White Glass.
- Amber Screen Printing.
- Available In **Mercury Free, Mercury & Alcohol Filled**
- Individually Packed In Plastic Case.

Cat No.	Range	Least count °C	Total Length mm	Pack of	Price / Piece	With NABL Certificate Price
3004	-10 to 50°C Mercury Filled	0.50 (1/2)	300	10	130.00	700.00
3020	-10 to 50°C Mercury Free Blue Liquid	0.50 (1/2)	300	10	150.00	700.00
3010	-10 to 50°C Alcohol Filled	0.50 (1/2)	300	10	70.00	700.00
3005	-10 to 110°C Mercury Filled	1.00 (1/1)	300	10	120.00	700.00
3006	-10 to 110°C Mercury Filled	0.50 (1/2)	300	10	130.00	700.00
3021	-10 to 110°C Mercury Free Blue Liquid	1.00 (1/1)	300	10	150.00	700.00
3022	-10 to 110°C Mercury Free Blue Liquid	0.50 (1/2)	300	10	150.00	700.00
3011	-10 to 110°C Alcohol Filled	1.00 (1/1)	300	10	60.00	700.00
3012	-10 to 110°C Alcohol Filled	0.50 (1/2)	300	10	70.00	700.00
3007	-10 to 150°C Mercury Filled	1.00 (1/1)	300	10	120.00	700.00
3023	-10 to 150°C Mercury Free Blue Liquid	1.00 (1/1)	300	10	150.00	700.00
3013	-10 to 150°C Alcohol Filled	1.00 (1/1)	300	10	60.00	700.00
3008	-10 to 250°C Mercury Filled	1.00 (1/1)	300	10	120.00	700.00
3024	-10 to 250°C Mercury Free Blue Liquid	1.00 (1/1)	300	10	150.00	700.00
3009	-10 to 360°C Mercury Filled	2.00 (2/1)	300	10	120.00	700.00
3009/1	0 to 120°F Mercury Filled	1.00 (1/1)	300	10	180.00	700.00
3009/2	0 to 120°F Mercury Free Blue Liquid	1.00 (1/1)	300	10	180.00	700.00
3019/1	0 to 120°F Alcohol Filled	1.00 (1/1)	300	10	80.00	700.00
3009/3	0 to 220°F Mercury Filled	1.00 (1/1)	300	10	180.00	700.00
3009/4	0 to 220°F Mercury Free Blue Liquid	1.00 (1/1)	300	10	180.00	700.00
3019/2	0 to 220°F Alcohol Filled	1.00 (1/1)	300	10	60.00	700.00
3009/5	0 to 240°F Mercury Filled	1.00 (1/1)	300	10	180.00	700.00
3009/6	0 to 240°F Mercury Free Blue Liquid	1.00 (1/1)	300	10	180.00	700.00
3019/3	0 to 240°F Alcohol Filled	1.00 (1/1)	300	10	80.00	700.00
3009/7	0 to 400°F Mercury Filled	1.00 (1/1)	300	10	200.00	700.00
3009/8	0 to 400°F Mercury Free Blue Liquid	1.00 (1/1)	300	10	200.00	700.00
3019	0 to 400°F Alcohol Filled	1.00 (1/1)	300	10	100.00	700.00



**Scan Me To Watch Product Video**



# MINUS THERMOMETERS



## 3014-3032 Minus Range Glass Thermometers

- Available in with Certificate and without Certificate
- Available In Yellow And White Glass.
- Amber Screen Printing.
- Available In **Toluene Chemical**.
- Individually Packed In Plastic Case.

Cat No.	Range	Least count °C	Total Length mm	Pack of	Price / Piece	With NABL Certificate Price
3014	-50 +50°C Toluene Filled	1.00 (1/1)	300	10	200.00	1000.00
3029	-50 +50°C Toluene Filled	1.00 (1/1)	450	10	400.00	1000.00
3015	-50 +100°C Toluene Filled	1.00 (1/1)	300	10	200.00	1000.00
3030	-50 +100°C Toluene Filled	1.00 (1/1)	450	10	400.00	1000.00
3016	-100 +50°C Toluene Filled	1.00 (1/1)	300	10	200.00	1000.00
3031	-100 +50°C Toluene Filled	1.00 (1/1)	450	10	400.00	1000.00
3017	-100 +100°C Toluene Filled	1.00 (1/1)	300		200.00	1000.00
3032	-100 +100°C Toluene Filled	1.00 (1/1)	450		400.00	1000.00

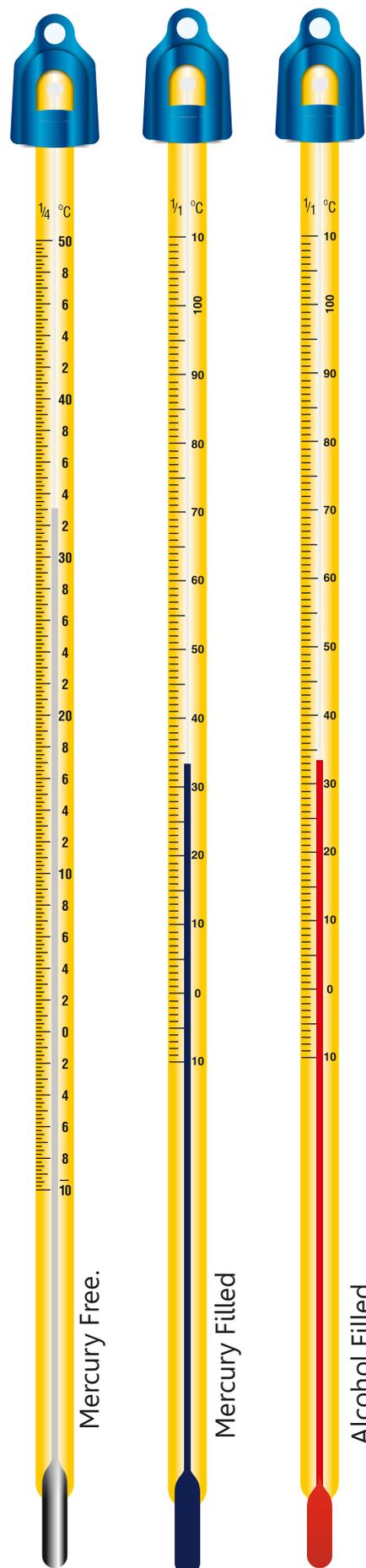


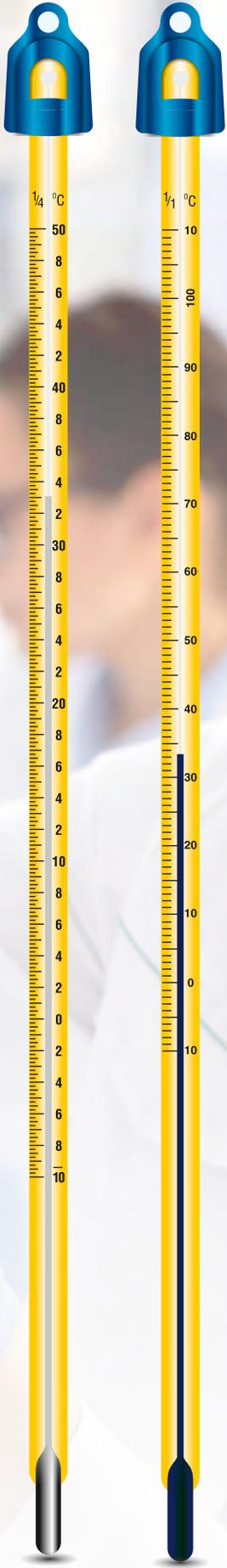
## 3033-3036/2

### Precision Glass Thermometer

- Available in with Certificate and without Certificate
- Available In Yellow And White Glass.
- Amber Screen Printing.
- Available In **Mercury Free, Mercury & Alcohol Filled**
- Individually Packed In Plastic Case.

Cat No.	Range	Least count °C	Total Length mm	Pack of	Price / Piece	With NABL Certificate Price
3033	-10 to 50°C Mercury Filled	0.2 (1/5)	450	10	300.00	800.00
3034	-10 to 50°C Mercury Filled	0.1 (1/10)	450	10	300.00	800.00
3034A	-10 to 50°C Mercury Free Blue Liquid	0.2 (1/5)	450	10	300.00	800.00
3034B	-10 to 50°C Mercury Free Blue Liquid	0.1 (1/10)	450	10	300.00	800.00
3025	-10 to 50°C Alcohol Filled	0.2 (1/5)	450	10	200.00	800.00
3026	-10 to 50°C Alcohol Filled	0.1 (1/10)	450	10	200.00	800.00
3035	-10 to 110°C Mercury Filled	0.2 (1/5)	450	10	300.00	800.00
3036	-10 to 110°C Mercury Filled	0.1 (1/10)	450	10	300.00	800.00
3035A	-10 to 110°C Mercury Free Blue Liquid	0.2 (1/5)	450	10	300.00	800.00
3036A	-10 to 110°C Mercury Free Blue Liquid	0.1 (1/10)	450	10	300.00	800.00
3027	-10 to 110°C Alcohol Filled	0.2 (1/5)	450	10	200.00	800.00
3028	-10 to 110°C Alcohol Filled	0.1 (1/10)	450	10	200.00	800.00
3036/1	-10 to 250°C Mercury Filled	1.00 (1/1)	450	10	300.00	800.00
3036A/1	-10 to 250°C Mercury Free Blue Liquid	1.00 (1/1)	450	10	300.00	800.00
3036/2	-10 to 360°C Mercury Filled	2.00 (2/1)	450	10	300.00	800.00





**IP/ASTM THERMOMETERS**

## IP / ASTM GLASS THERMOMETERS

Cat No.	ASTM No.	IP No.	Description	Measuring range	Scale °C/°F	Filling	Immer-sion	Total length	Pack of	Price/ Piece	With NABL Certificate Price
3110	1 C	—	Partial Immersion	-20 +150	1 °C	Hg	76	317	10	800.00	1000.00
F3110	1 F	—	Partial Immersion	0 +302	2 °F	Hg	76	317	10	800.00	1000.00
3111	2 C	62 C	Partial Immersion	-5 +300	1 °C	Hg	76	385	10	800.00	1000.00
F3111	2 F	62 F	Partial Immersion	+20 +580	2 °F	Hg	76	385	10	800.00	1000.00
3112	3 C	73 C	Partial Immersion	-5 +400	1 °C	Hg	76	410	10	800.00	1000.00
F3112	3 F	73 F	Partial Immersion	+20 +760	2 °F	Hg	76	410	10	800.00	1000.00
3113	5 C	1 C	Cloud and Pour	-38 +50	1 °C	Hg	108	225	10	800.00	1000.00
F3113	5 F	1 F	Cloud and Pour	-36 +120	2 °F	Hg	108	225	10	800.00	1000.00
3114	6 C	2 C	Low Cloud and Pour	-80 +20	1 °C	Toluene	76	225	10	800.00	1000.00
F3114	6 F	2 F	Low Cloud and Pour	-112 +70	2 °F	Toluene	76	225	10	800.00	1000.00
3115	7 C	5 C	Low Distillation	-2 +300	1 °C	Hg	total	380	10	800.00	1000.00
F3115	7 F	—	Low Distillation	+30 +580	2 °F	Hg	total	380	10	800.00	1000.00
3116	8 C	6 C	High Distillation	-2 +400	1 °C	Hg	total	380	10	800.00	1000.00
F3116	8 F	—	High Distillation	+30 +760	2 °F	Hg	total	380	10	800.00	1000.00
3117	9 C	15 C	Low-Pensky-Martens	-5 +110	0.5 °C	Hg	57	285	10	800.00	1000.00
F3117	9 F	15 F	Low-Pensky-Martens	+20 +230	1 °F	Hg	57	285	10	800.00	1000.00
3118	10 C	16 C	High-Pensky-Martens	+90 +370	2 °C	Hg	57	285	10	800.00	1000.00
F3118	10 F	16 F	High-Pensky-Martens	+200 +700	5 °F	Hg	57	285	10	800.00	1000.00
3119	11 C	28 C	Cleveland Open Flash	-6 +400	2 °C	Hg	25	305	10	800.00	1000.00
F3119	11 F	28 F	Cleveland Open Flash	+20 +760	5 °F	Hg	25	305	10	800.00	1000.00
3120	12 C	64 C	Density-Wide Range	-20 +102	0.2 °C	Hg	total	415	10	600.00	800.00
F3120	12 F	64 F	Density-Wide Range	-5 +215	0.5 °F	Hg	total	415	10	600.00	800.00
3121	13 C	47 C	Loss on Heat	+155 +170	0.5 °C	Hg	total	150	10	800.00	1000.00
3122	14 C	17 C	Wax Melting Point	+38 +82	0.1 °C	Hg	79	370	10	800.00	1000.00
F3122	14 F	17 F	Wax Melting Point	+100 +180	0.2 °F	Hg	79	370	10	800.00	1000.00
3123	15 C	60 C	Low Softening Point	-2 +80	0.2 °C	Hg	total	390	10	800.00	1000.00
F3123	15 F	—	Low Softening Point	+30 +180	0.5 °F	Hg	total	390	10	800.00	1000.00
3124	16 C	61 C	High Softening Point	+30 +200	0.5 °C	Hg	total	390	10	800.00	1000.00
F3124	16 F	—	High Softening Point	+85 +392	1 °F	Hg	total	390	10	800.00	1000.00
3125	17 C	—	Saybolt Viscosity	+19 +27	0.1 °C	Hg	total	270	10	800.00	1000.00
F3125	17 F	—	Saybolt Viscosity	+66 +80	0.2 °F	Hg	total	270	10	800.00	1000.00
3126	18 C	23 C	Reid Vapor Pressure	+34 +42	0.1 °C	Hg	total	270	10	800.00	1000.00
F3126	18 F	23 F	Reid Vapor Pressure	+94 +108	0.2 °F	Hg	total	270	10	800.00	1000.00
3127	19 C	—	Saybolt Viscosity	+49 +57	0.1 °C	Hg	total	270	10	800.00	1000.00
F3127	19 F	—	Saybolt Viscosity	+120 +134	0.2 °F	Hg	total	270	10	800.00	1000.00
3128	20 C	—	Saybolt Viscosity	+57 +65	0.1 °C	Hg	total	270	10	800.00	1000.00
F3128	20 F	—	Saybolt Viscosity	+134 +148	0.2 °F	Hg	total	270	10	800.00	1000.00
3129	21 C	—	Saybolt Viscosity	+79 +87	0.1 °C	Hg	total	270	10	800.00	1000.00
F3129	21 F	—	Saybolt Viscosity	+174 +188	0.2 °F	Hg	total	270	10	800.00	1000.00
3130	22 C	24 C	Oxidation Stability	+95 +103	0.1 °C	Hg	total	270	10	800.00	1000.00
F3130	22 F	24 F	Oxidation Stability	+204 +218	0.2 °F	Hg	total	270	10	800.00	1000.00
3131	23 C	—	Engler Viscosity	+18 +28	0.2 °C	Hg	90	207	10	800.00	1000.00
3132	24 C	—	Engler Viscosity	+39 +54	0.2 °C	Hg	90	232	10	800.00	1000.00
3133	25 C	—	Engler Viscosity	+95 +105	0.2 °C	Hg	90	207	10	1000.00	1200.00
3134	26 C	—	Stability Test of Soluble Nitrocellulose	+130 +140	0.1 °C	Hg	total	458	10	1000.00	1200.00
3135	27 C	—	Turpentine Distillation	+147 +182	0.5 °C	Hg	76	296	10	1000.00	1200.00
3285	28 C	31 C	Kinematic Viscosity	+36.6 +39.4	0.05 °C	Hg	total	300	10	1200.00	1400.00
F3285	28 F	31 F	Kinematic Viscosity	+97.5 +102.5	0.1 °F	Hg	total	300	10	1200.00	1400.00
3286	29 C	34 C	Kinematic Viscosity	+52.6 +55.4	0.05 °C	Hg	total	300	10	1200.00	1400.00
F3286	29 F	34 F	Kinematic Viscosity	+127.5 +132.5	0.1 °F	Hg	total	300	10	1200.00	1400.00

## IP / ASTM GLASS THERMOMETERS

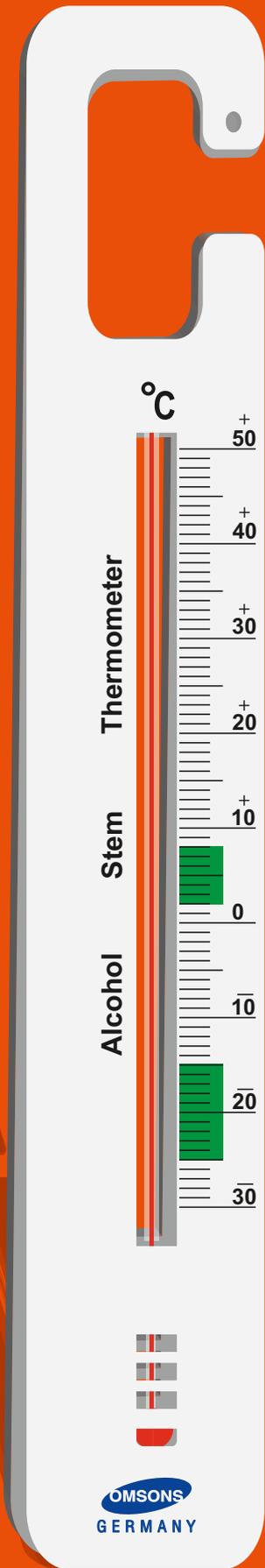
Cat No.	ASTM No.	IP No.	Description	Measuring range	Scale °C/°F	Filling	Immer- sion	Total length	Pack of	Price Piece	With NABL Certificate Price
3287	30 F	32 F	Kinematic Viscosity	+207.5 +212.5	0.1 °F	Hg	total	300	10	1200.00	1400.00
3156	33 C	20 C	Low Aniline Point	-38 +42	0.2 °C	Hg	50	415	10	800.00	1000.00
F3156	33 F	—	Low Aniline Point	-36.5 +107.5	0.5 °F	Hg	50	415	10	800.00	1000.00
3137	34 C	21 C	Medium Aniline Point	+25 +105	0.2 °C	Hg	50	415	10	800.00	1000.00
F3137	34 F	—	Medium Aniline Point	+77 +221	0.5 °F	Hg	50	415	10	800.00	1000.00
3138	35 C	59 C	High Aniline Point	+90 +170	0.2 °C	Hg	50	415	10	1000.00	1200.00
F3138	35 F	—	High Aniline Point	+194 +338	0.5 °F	Hg	50	415	10	1200.00	1400.00
F3139	36 C	—	Titer Test	-2 +68	0.2 °C	Hg	45	400	10	800.00	1000.00
3140	37 C	77 C	Solvents Distillation	-2 +52	0.2 °C	Hg	100	390	10	800.00	1000.00
3141	38 C	78 C	Solvents Distillation	+24 +78	0.2 °C	Hg	100	390	10	800.00	1000.00
3142	39 C	79 C	Solvents Distillation	+48 +102	0.2 °C	Hg	100	390	10	800.00	1000.00
3143	40 C	80 C	Solvents Distillation	+72 +126	0.2 °C	Hg	100	390	10	1000.00	1200.00
3144	41 C	81 C	Solvents Distillation	+98 +152	0.2 °C	Hg	100	390	10	1000.00	1200.00
3145	42 C	82 C	Solvents Distillation	+95 +255	0.5 °C	Hg	100	390	10	1000.00	1200.00
3288	43 C	65 C	Kinematic Viscosity	-51.6 -34	0.1 °C	Hg	total	410	10	1200.00	1400.00
F3288	43 F	65 F	Kinematic Viscosity	-61 -29	0.2 °F	Hg-TL	total	410	10	1200.00	1400.00
3289	44 C	29 C	Kinematic Viscosity	+18.6 +21.4	0.05 °C	Hg	total	300	10	1200.00	1400.00
F3289	44 F	29 F	Kinematic Viscosity	+66.5 +71.5	0.1 °F	Hg	total	300	10	800.00	1000.00
3290	45 C	30 C	Kinematic Viscosity	+23.6 +26.4	0.05 °C	Hg	total	300	10	1200.00	1400.00
F3290	45 F	30 F	Kinematic Viscosity	+74.5 +79.5	0.1 °F	Hg	total	300	10	800.00	1000.00
3291	46 C	66 C	Kinematic Viscosity	+48.6 +51.4	0.05 °C	Hg	total	300	10	1200.00	1400.00
F3291	46 F	66 F	Kinematic Viscosity	+119.5 +124.5	0.1 °F	Hg	total	300	10	1200.00	1400.00
3292	47 C	35 C	Kinematic Viscosity	+58.6 +61.4	0.05 °C	Hg	total	300	10	1200.00	1400.00
F3292	47 F	35 F	Kinematic Viscosity	+137.5 +142.5	0.1 °F	Hg	total	410	10	1200.00	1400.00
3293	48 C	90 C	Kinematic Viscosity	+80.6 +83.4	0.05 °C	Hg	total	300	10	1200.00	1400.00
F3293	48 F	90 F	Kinematic Viscosity	+177.5 +182.5	0.1 °F	Hg	total	300	10	1200.00	1400.00
3146	49 C	—	Stormer Viscosity	+20 +70	0.2 °C	Hg	65	300	10	800.00	1000.00
3294	50 C	—	Gas Calorimeter Inlet	+12.2 +38.3	0.05 °C	Hg	total	463	10	1200.00	1400.00
F3294	50 F	—	Gas Calorimeter Inlet	+54 +101	0.1 °F	Hg	total	463	10	800.00	1000.00
3295	51 F	—	Gas Calorimeter Outlet	+69 +116	0.1 °F	Hg	total	463	10	800.00	1000.00
3147	52 C	—	Butadiene Boiling Point Range	-10 +5	0.1 °C	Hg	total	157	10	800.00	1000.00
3296	53 C	—	Benzene Freezing Point	-0.6 +10.4	0.1 °C	Hg	total	189	10	800.00	1000.00
3148	54 C	18 C	Congealing Point	+20 +100.6	0.2 °C	Hg	total	305	10	800.00	1000.00
F3148	54 F	18 F	Congealing Point	+68 +213	0.5 °F	Hg	total	305	10	1200.00	1400.00
3297	56 C	—	Bomb Calorimeter	+19 +35	0.02 °C —	Hg	total	570	10	1200.00	1400.00
F3297	56 F	—	Bomb Calorimeter	+66 +95	0.05 °F —	Hg	total	570	10	1200.00	1400.00
3149	57 C	—	Tag Closed Tester, Low Range	-20 +50	0.5 °C	Hg	57	282	10	800.00	1000.00
F3149	57 F	—	Tag Closed Tester, Low Range	-4 +122	1 °F	Hg	57	282	10	800.00	1000.00
3150	58 C	—	Tank	-34 +49	0.5 °C	Hg	total	300	10	800.00	1000.00
F3150	58 F	—	Tank	-30 +120	1 °F	Hg	total	300	10	800.00	1000.00
3151	59 C	—	Tank	-18 +82	0.5 °C	Hg	total	300	10	800.00	1000.00
F3151	59 F	—	Tank	0 +180	1 °F	Hg	total	300	10	800.00	1000.00
3152	60 C	—	Tank	+77 +260	1 °C	Hg	total	300	10	1000.00	1200.00
F3152	60 F	—	Tank	+170 +500	2 °F	Hg	total	300	10	2000.00	2200.00
3153	61 C	63 C	Petrolatum Melting Point	+32 +127	0.2 °C	Hg	79	375	10	800.00	1000.00
F3153	61 F	—	Petrolatum Melting Point	+90 +260	0.5 °F	Hg	79	375	10	800.00	1000.00
3154	62 C	—	Precision	-38 +2	0.1 °C	Hg	total	374	10	800.00	1000.00
F3154	62 F	—	Precision	-36 +35	0.2 °F	Hg	total	374	10	800.00	1000.00
3155	63 C	—	Precision	-8 +32	0.1 °C	Hg	total	374	10	800.00	1000.00
F3155	63 F	—	Precision	+18 +89	0.2 °F	Hg	total	374	10	800.00	1000.00

## IP / ASTM GLASS THERMOMETERS

Cat No.	ASTM No.	IP No.	Description	Measuring range	Scale °C/°F	Filling	Immer-sion	Total length	Pack of	Price / Piece	With NABL Certificate Price
3156	64 C	—	Precision	+25 +55	0.1 °C	Hg	Total	374	10	800.00	1000.00
F3156	64 F	—	Precision	+77+131	0.2 °F	Hg	Total	374	10	800.00	1000.00
3157	65 C	—	Precision	+50 +80	0.1 °C	Hg	Total	374	10	800.00	1000.00
F3157	65 F	—	Precision	+122 +176	0.2 °F	Hg	Total	374	10	800.00	1000.00
3158	66 C	—	Precision	+75 +105	0.1 °C	Hg	Total	374	10	1000.00	1200.00
F3158	66 F	—	Precision	+167 +221	0.2 °F	Hg	Total	374	10	800.00	1000.00
3159	67 C	—	Precision	+95 +155	0.2 °C	Hg	Total	374	10	1000.00	1200.00
F3159	67 F	—	Precision	+203 +311	0.5 °F	Hg	Total	374	10	800.00	1000.00
3160	68 C	—	Precision	+145 +205	0.2 °C	Hg	Total	374	10	1000.00	1200.00
F3160	68 F	—	Precision	+293 +401	0.5 °F	Hg	Total	374	10	800.00	1000.00
3161	69 C	—	Precision	+195 +305	0.5 °C	Hg	Total	374	10	1000.00	1200.00
F3161	69 F	—	Precision	+383 +581	1 °F	Hg	Total	374	10	1000.00	1200.00
3162	70 C	—	Precision	+295 +405	0.5 °C	Hg	Total	374	10	1000.00	1200.00
F3162	70 F	—	Precision	+563 +761	1 °F	Hg	Total	374	10	2000.00	2200.00
3163	71 C	72 C	Oil in Wax	-37 +21	0.5 °C	Hg	76	350	10	800.00	1000.00
F3163	71 F	72 F	Oil in Wax	-35 +70	1 °F	Hg	76	350	10	800.00	1000.00
3164	72 C	67 C	Kinematic Viscosity	-19.4 -16.6	0.05 °C 0 °C	Hg	Total	300	10	800.00	1000.00
F3164	72 F	67 F	Kinematic Viscosity	-2.5 +2.5	0.1 °F	Hg	Total	300	10	800.00	1000.00
3297	73 C	68 C	Kinematic Viscosity	-41.4 -38.6	0.05 °C 0 °C	Hg-Tl	Total	300	10	1200.00	1400.00
F3297	73 F	68 F	Kinematic Viscosity	-42.5 -37.5	0.1 °F	Hg-Tl	Total	300	10	1200.00	1400.00
3298	74 C	69 C	Kinematic Viscosity	-55.4 -52.6	0.05 °C 0 °C	Hg	Total	300	10	1200.00	1400.00
F3298	74 F	69 F	Kinematic Viscosity	-67.5 -62.5	0.1 °F	Hg-Tl	Total	300	10	1200.00	1400.00
3299	75 F	—	Coolant Freezing Point	-35 +35	0.5 °F	Hg	100	403	10	800.00	1000.00
3300	76 F	—	Coolant Freezing Point	-65 +5	0.5 °F	Hg	100	403	10	800.00	1000.00
3301	77 F	—	Saybolt Viscosity	+245 +265	0.5 °F	Hg	Total	270	10	800.00	1000.00
3302	78 F	—	Saybolt Viscosity	+295 +315	0.5 °F	Hg	Total	270	10	1000.00	1200.00
3303	79 F	—	Saybolt Viscosity	+345 +365	0.5 °F	Hg	Total	270	10	1000.00	1200.00
3304	80 F	—	Saybolt Viscosity	+395 +415	0.5 °F	Hg	Total	270	10	1000.00	1200.00
3305	81 F	—	Saybolt Viscosity	+445 +465	0.5 °F	Hg	Total	270	10	1200.00	1400.00
3164	82 C	—	Fuel Rating Engine	-15 +105	1 °C	Hg	30	159	10	800.00	1000.00
F3164	82 F	—	Fuel Rating Engine	0 +220	2 °F	Hg	30	159	10	800.00	1000.00
3165	83 C	—	Fuel Rating Air-Low	+15 +70	1 °C	Hg	40	168	10	800.00	1000.00
F3165	83 F	—	Fuel Rating Air-Low	+60 +160	1 °F	Hg	40	168	10	800.00	1000.00
3166	84 C	—	Fuel Rating, Orifice Tank	+25 +80	1 °C	Hg	249	378	10	800.00	1000.00
F3166	84 F	—	Fuel Rating, Orifice Tank	+75 +175	1 °F	Hg	249	378	10	800.00	1000.00
3167	85 C	—	Fuel Rating, Surge	+40 +150	1 °C	Hg	181	305	10	800.00	1000.00
F3167	85 F	—	Fuel Rating, Surge	+100 +300	2 °F	Hg	181	305	10	800.00	1000.00
3168	86 C	—	Fuel Rating, Mix.	+95 +175	1 °C	Hg	35	164	10	1000.00	1200.00
F3168	86 F	—	Fuel Rating, Mix.	+200 +350	2 °F	Hg	35	164	10	800.00	1000.00
3169	87 C	—	Fuel Rating Coolant	+150 +205	1 °C	Hg	40	169	10	1000.00	1200.00
F3169	87 F	—	Fuel Rating Coolant	+300 +400	1 °F	Hg	40	169	10	1000.00	1200.00
3170	88 C	—	Vegetable Oil Flash	+10 +200	1 °C	Hg	57	282	10	800.00	1000.00
F3170	88 F	—	Vegetable Oil Flash	+50 +392	2 °F	Hg	57	282	10	800.00	1000.00
3171	89 C	—	Solidification Point	-20 +10	0.1 °C	Hg	76	365	10	800.00	1000.00
3172	90 C	—	Solidification Point	0 +30	0.1 °C	Hg	76	365	10	800.00	1000.00
3173	91 C	—	Solidification Point	+20 +50	0.1 °C	Hg	76	365	10	800.00	1000.00
3174	92 C	—	Solidification Point	+40 +70	0.1 °C	Hg	76	365	10	800.00	1000.00
3175	93 C	—	Solidification Point	+60 +90	0.1 °C	Hg	76	365	10	800.00	1000.00
3176	94 C	—	Solidification Point	+80 +110	0.1 °C	Hg	76	365	10	800.00	1000.00
3177	95 C	—	Solidification Point	+100 +130	0.1 °C	Hg	76	365	10	800.00	1000.00

## IP / ASTM GLASS THERMOMETERS

Cat No.	ASTM No.	IP No.	Description	Measuring range	Scale °C/°F	Filling	Immer - sion	Total length	Pack of	Price / Piece	With NABL Certificate Price
3178	96 C	—	Solidification Point	+120 +150	0.1 °C	Hg	76	365	10	800.00	1000.00
3179	97 C	—	Tank	-18 +49	0.5 °C	Hg	total	300	10	800.00	1000.00
F3179	97 F	—	Tank	0 +120	1 °F	Hg	total	300	10	800.00	1000.00
3180	98 C	—	Tank	+16 +82	0.5 °C	Hg	total	300	10	800.00	1000.00
F3180	98 F	—	Tank	+60 +180	1 °F	Hg	total	300	10	800.00	1000.00
3306	99 C	—	Weathering Test	-50 +5	0.2 °C	Hg-Tl	35	300	10	800.00	1000.00
F3306	99 F	—	Weathering Test	-58 +41	0.5 °F	Hg-Tl	35	299	10	800.00	1000.00
3181	100 C	—	Solidification Point	+145 +205	0.2 °C	Hg	76	365	10	1000.00	1200.00
3182	101 C	—	Solidification Point	+195 +305	0.5 °C	Hg	76	365	10	1000.00	1200.00
3183	102 C	83 C	Solvents Distillation	+123 +177	0.2 °C	Hg	100	390	10	1000.00	1200.00
3184	103 C	84 C	Solvents Distillation	+148 +202	0.2 °C	Hg	100	390	10	1000.00	1200.00
3185	104 C	85 C	Solvents Distillation	+173 +227	0.2 °C	Hg	100	390	10	1000.00	1200.00
3186	105 C	86 C	Solvents Distillation	+198 +252	0.2 °C	Hg	-	390	10	1000.00	1200.00
3187	106 C	87 C	Solvents Distillation	+223 +277	0.2 °C	Hg	-	390	10	1000.00	1200.00
3188	107 C	88 C	Solvents Distillation	+248 +302	0.2 °C	Hg	-	390	10	1000.00	1200.00
3307	108 F	-	Saybolt Viscosity	+270 +290	0.5 °F	Hg	-	270	10	800.00	1000.00
3308	109 F	-	Saybolt Viscosity	+320 +340	0.5 °F	Hg	-	270	10	800.00	1000.00
3309	110 C	93 C	Kinematic Viscosity	+133.6 +136.4	0.5 °F	Hg	-	300	10	800.00	1000.00
F3309	110 F	-	Kinematic Viscosity	+272.5 +277.5	0.1 °F	Hg	-	300	10	800.00	1000.00
3189	111 C	-	Tar Acids Distillation	+170 +250	0.2 °C	Hg	-	390	10	1000.00	1200.00
3310	112 C	-	Benzene Solidification Point	+4 +6	0.02 °C	Hg	-	210	10	1200.00	1400.00
3190	113 C	89 C	Softening Point (Bitumen)	-1 +175	0.5 °C	-	-	400	10	800.00	1000.00
F3190	113 F	89 F	Wide Range	+30 +350	0.1 °F	-	-	400	10	800.00	1000.00
3191	114 C	14 C	Aviation Fuel Freezing Point	-80 +20	0.5 °C	-	-	295	10	800.00	1000.00
3311	116 C	-	Bomb Calorimeter	+18.9 +25.1	0.01 °C	Hg	-	604	10	4000.00	5000.00
3312	117 C	-	Bomb Calorimeter	+23.9 +30.1	0.01 °C	Hg	-	604	10	4000.00	5000.00
3313	118 C	-	Kinematic Viscosity	+28.6 +31.4	0.05 °C	Hg	-	300	10	1200.00	1400.00
3314	118 F	-	Kinematic Viscosity	+83.5 +88.5	0.1 °F	Hg	-	300	10	1200.00	1400.00
3315	"119 C	-	Coolant (Antifreeze)	-38.3 -30	0.1 °C	Hg	-	415	10	1200.00	1400.00
F3315	119 F	-	Freezing Point	-37 -22	0.2 °F	Hg	-	415	10	1200.00	1400.00
3316	120 C	92 C	Kinematic Viscosity	+38.6 +41.4	0.05 °C	Hg	-	300	10	1000.00	1200.00
3317	121 C	32 C	Kinematic Viscosity	+98.6 +101.4	0.05 °C	Hg	-	300	10	1000.00	1200.00
3318	122 C	94 C	Brookfield Viscosity	-45 -35	0.1 °C	Hg-Tl	-	295	10	1000.00	1200.00
3192	123 C	95 C	Brookfield Viscosity	-35 -25	0.1 °C	Hg	-	295	10	800.00	1000.00
3193	124 C	96 C	Brookfield Viscosity	-25 -15	0.1 °C	Hg	-	295	10	1000.00	1200.00
3194	125 C	97 C	Brookfield Viscosity	-15 -5	0.1 °C	Hg	-	295	10	800.00	1000.00
3319	126 C	71 C	Kinematic Viscosity	-27.4 -24.6	0.05 °C	Hg	-	300	10	1200.00	1400.00
F3319	126 F	71 F	Kinematic Viscosity	-17.5 -12.5	0.1 °F	Hg	-	300	10	800.00	1000.00
3320	127 C	99 C	Kinematic Viscosity	-21.4 -18.6	0.05 °C	Hg	-	300	10	1000.00	1200.00
3321	128 C	33 C	Kinematic Viscosity	-1.4 +1.4	0.05 °C	Hg	-	300	10	1000.00	1200.00
F3321	128 F	33 F	Kinematic Viscosity	+29.5 +34.5	0.1 °F	Hg	-	300	10	800.00	1000.00
3322	129 C	36 C	Kinematic Viscosity	+91.6 +94.4	0.05 °C	Hg	-	300	10	1000.00	1200.00
F3322	129 F	36 F	Kinematic Viscosity	+197.5 +202.5	0.1 °F	Hg	-	300	10	800.00	1000.00
3323	130 C	-	Tank	-7 +105	0.5 °C	Hg	-	300	10	800.00	1000.00
F3323	130 F	-	Tank	+20 +220	1 °F	Hg	-	300	10	800.00	1000.00
3324	132 C	102 C	Kinematic Viscosity	+148.6 +151.4	0.05 °C	Hg	-	300	10	1000.00	1200.00
3195	133 C	-	Precision	-38 +2	0.1 °C	Hg	-	374	10	800.00	1000.00
3196	134 C	37 C	Sludge	+144 +156	0.2 °C	Hg	-	260	10	1000.00	1200.00
3197	135 C	-	Fuel Rating Air-High	+38 +93	1 °C	Hg	-	168	10	800.00	1000.00
F3197	135 F	-	Fuel Rating Air-High	+100 +200	1 °F	Hg	-	168	10	800.00	1000.00
3198	136 C	-	Aviation Fuel Density	-20 +60	0.2 °C	Hg	-	285	10	800.00	1000.00
F3198	136 F	-	Aviation Fuel Density	-5 +140	0.5 °F	Hg	-	285	10	800.00	1000.00
3199	137 C	-	Oxidation Cell Test	+80 +100	0.1 °C	Hg	-	250	10	800.00	1000.00



## Cold Chain

# Vaccine Thermometer

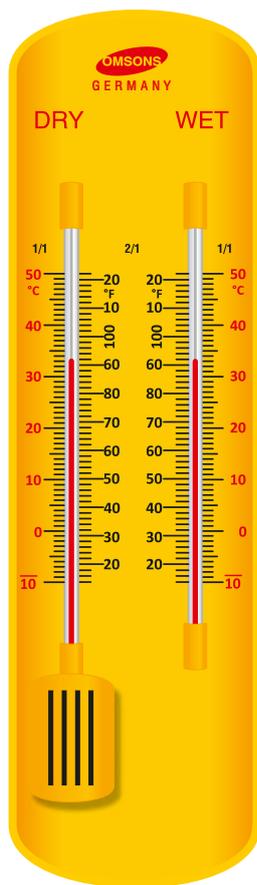
Vaccine thermometer is used for maintenance of the cold chain. Vaccines need to be kept below certain temperatures to remain effective. Buy Vaccine thermometer from OMSONS GLASSWARE. Omsons Glassware is India's best NABL certified laboratory equipment manufacturer and supplier since 1983. We are known for our best quality and accurate lab instruments.

### 3037

Cat No.	Product	Range	Pack of	Price / Piece	With NABL Certificate Price
3037	Vaccine Thermometer	-30 + 50°C	50	170.00	700.00

Accuracy  $\pm 0.5^{\circ}\text{C}$

# THERMOMETERS



## 3200 Hygrometer, Dry & Wet Bulb

- Plastic Body
- With Humidity Chart .

Cat No.	Product	Range	Pack of	Price / Piece	With NABL Certificate Price
3200	Wet&Dry	-10 to 50°C	20	150.00	1000.00



## 3201 Hygrometer, Dry & Wet Bulb, Deluxe Model

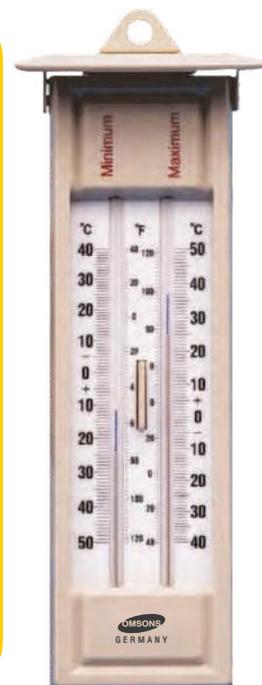
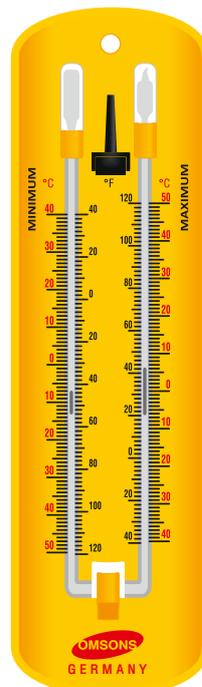
- Plastic Body
- With Humidity Chart C&F.

Cat No.	Product	Range	Pack of	Price / Piece	With NABL Certificate Price
3201	Wet&Dry	-10 to 50°C	10	340.00	1000.00

## 3202 Maximum & Minimum Thermometer

- Plastic Body
- With Magnet inside.

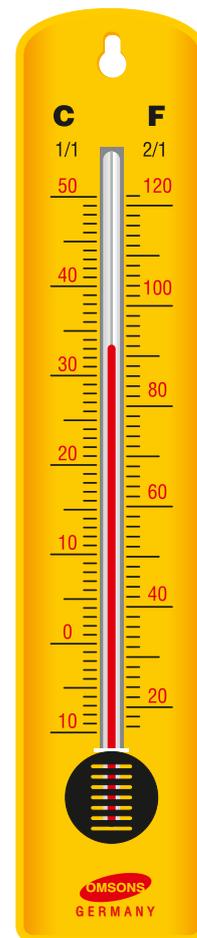
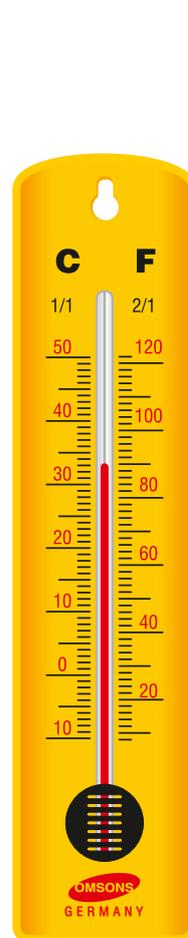
Cat No.	Product	Range	Pack of	Price / Piece	With NABL Certificate Price
3202	Max & Mini	-30 to 60°C	10	150.00	1000.00



## 3203 Maximum & Minimum Thermometer Deluxe Model

- Plastic Body
- With Magnet inside.

Cat No.	Product	Range	Pack of	Price / Piece	With NABL Certificate Price
3203	Max & Mini	-40 to 50°C	10	340.00	1000.00



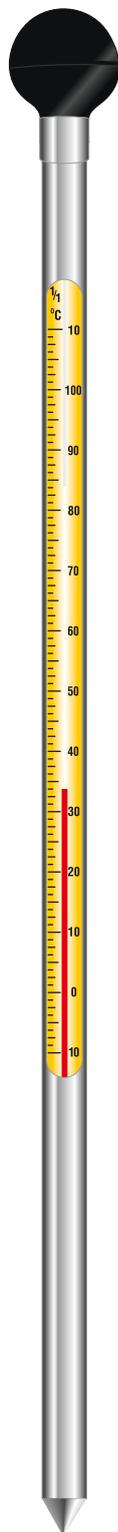
## 3204-3205 Room Thermometer

- Plastic Body

Cat No.	Product	Range	Pack of	Price / Piece	With NABL Certificate Price
3204	Small Size	-10 to 50°C	10	50.00	700.00
3205	Big Size	-10 to 50°C	10	150.00	700.00

## 3037 Close Cup Thermometer (CCT)

- Material : Stainless Steel.
- Supply without Glass Thermometer.
- Individually Packed In Wooden Case.
- Available in with Certificate and without Certificate



Cat No.	Product	Range	Pack of	Price / Piece	With NABL Certificate Price
3037	CCT	-10 to 50°C 1/4	1	5600.00	6040.00

## 3206-3211 Soil Thermometer, Brass Cone

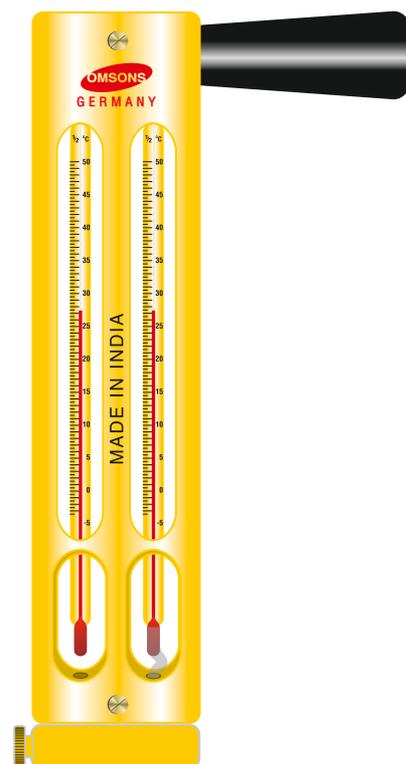
- Made from Brass.
- Come with Alcohol Filled Thermometer

Cat No.	Product	Range	Cone Size	Pack of	Price / Piece	With NABL Certificate Price
3206	Thermometer	-10 to 60°C	2 Inch	10	360.00	1000.00
3207	Thermometer	-10 to 60°C	4 Inch	10	400.00	1000.00
3208	Thermometer	-10 to 60°C	6 Inch	10	460.00	1000.00
3209	Thermometer	-10 to 60°C	8 Inch	10	520.00	1000.00
32010	Thermometer	-10 to 60°C	10 Inch	10	580.00	1000.00
32011	Thermometer	-10 to 60°C	12 Inch	10	640.00	1000.00

## 3038-3039 Whirling Hygrometer

- Available in Mercury Free or Red Spirit with Conversion Table and Wick

Cat No.	Product	Range	Pack of	Price / Piece	With NABL Certificate Price
3038	Alcohol	-5 to 50°C/F	1	550.00	1200.00
3039	Mercury Free	-5 to 50°C/F	1	550.00	1200.00



# Crook's Radiometer Single



3224

**Crook's Radiometer Single**

Cat No.	Pack of	Price / Piece
3224	6	360.00

**Movement with black-body absorption**

When a radiant energy source is directed at a Crookes radiometer, the radiometer becomes a heat engine. The operation of a heat engine is based on a difference in temperature that is converted to a mechanical output. In this case, the black side of the vane becomes hotter than the other side, as radiant energy from a light source warms the black side by black-body absorption faster than the silver or white side. The internal air molecules are heated up when they touch the black side of the vane. The warmer side of the vane is subjected to a force which moves it forward.

The internal temperature rises as the black vanes impart heat to the air molecules, but the molecules are cooled again when they touch the bulb's glass surface, which is at ambient temperature. This heat loss through the glass keeps the internal bulb temperature steady with the result that the two sides of the vanes develop a temperature difference. The white or silver side of the vanes are slightly warmer than the internal air temperature but cooler than the black side, as some heat conducts through the vane from the black side. The two sides of each vane must be thermally insulated to some degree so that the polished or white side does not immediately reach the temperature of the black side. If the vanes are made of metal, then the black or white paint can be the insulation. The glass stays much closer to ambient temperature than the temperature reached by the black side of the vanes. The external air helps conduct heat away from the glass.

The air pressure inside the bulb needs to strike a balance between too low and too high. A strong vacuum inside the bulb does not permit motion, because there are not enough air molecules to cause the air currents that propel the vanes and transfer heat to the outside before both sides of each vane reach thermal equilibrium by heat conduction through the vane material. High inside pressure inhibits motion because the temperature differences are not enough to push the vanes through the higher concentration of air: there is too much air resistance for "eddy currents" to occur, and any slight air movement caused by the temperature difference is damped by the higher pressure before the currents can "wrap around" to the other side.

**Movement with black-body radiation**

When the radiometer is heated in the absence of a light source, it turns in the forward direction (i.e. black sides trailing). If a person's hands are placed around the glass without touching it, the vanes will turn slowly or not at all, but if the glass is touched to warm it quickly, they will turn more noticeably. Directly heated glass gives off enough infrared radiation to turn the vanes, but glass blocks much of the far-infrared radiation from a source of warmth not in contact with it. However, near-infrared and visible light more easily penetrate the glass.

If the glass is cooled quickly in the absence of a strong light source by putting ice on the glass or placing it in the freezer with the door almost closed, it turns backwards (i.e. the silver sides trail). This demonstrates black-body radiation from the black sides of the vanes rather than black-body absorption. The wheel turns backwards because the net exchange of heat between the black sides and the environment initially cools the black sides faster than the white sides. Upon reaching equilibrium, typically after a minute or two, reverse rotation ceases. This contrasts with sunlight, with which forward rotation can be maintained all day.



# HIGH POWER SUPPLY FOR SPECTRUM TUBE



## SPECTRUM TUBES

Every gas gives off a characteristic light when placed across a high electrical field. Spectrum tubes are built to contain different gaseous atoms or molecules. When a tube is placed into the Spectrum tube Power Supply, the 5,000V field will cause the gases to emit energy in the form of a well defined light state.

When a gas is excited by the high voltage, an electron will be excited to a higher energy level. When the electron returns to a lower energy level, it simultaneously emits a photon of light. This photon of light is always the same energy since the energy change is always the same. Therefore, each excited element emits characteristic wavelengths determined by energy level differences ( $\Delta E$ ) present in that element.

When the spectrum tube is turned on, it may appear to be a particular color with the unaided eye. However, analysis of the spectrum with a spectrometer will reveal a series of sharp (monochromatic) emission lines. Spectrum tubes use research-grades gases and vapors to provide bright-line spectral lines of high clarity. They are designed for optimum intensity and line resolution when examined in a student grade spectrometer equipped with a 200 line/mm (5,000 line/inch) diffraction grating.

The pressure of the various gases in spectrum tubes is a carefully controlled value that will produce the maximum quality of brightness and clarity of the spectral lines. The tube life is extended if operation is cyclic and the tubes are never on for more than 30 seconds. Some tubes using neon, helium and other gases found in cold cathodes display signs can run continuously with less deterioration of the quality of the spectral lines. Others, such as hydrogen, the halogens and water vapor, require more care in operating to increase the life of the spectrum tube. Pure nickel electrodes and the best research grade gases are used, and meticulous care is taken in processing to increase service life. However, the tubes all start to contaminate at a very slow rate when used. How soon this can be detected by the user depends on the sensitivity of the measuring equipment. If the tubes are used as recommended and not allowed to get overheated, the useful life, or time it takes to detect contamination with the usual measuring equipment, is very long.

# HIGH POWER SUPPLY FOR SPECTRUM TUBE

## OPERATING PROCEDURE

The Spectrum Tube Power Supply is a HIGH VOLTAGE supply. You should be very careful when working with this power supply.

1. Place the power switch to the OFF position. Unplug the power supply from the outlet when inserting a spectrum tube into the unit.
2. Slide the spectrum tube into the top socket. Very carefully push the tube up and then insert the other end into the bottom socket.
3. Plug the Spectrum Tube Power Supply into a 220VAC, 50Hz power outlet.
4. Turn the power switch to the ON position. The power supply and spectrum tube should now be glowing.
5. The life of a spectrum tube is extended if it is not used for more than 30 second continuously. Cycle the power supply on for 30 seconds then off for 30 seconds to prevent the spectrum tube from overheating. This will greatly increase the usable life of the spectrum tube.
6. ALWAYS TURN OFF the power switch and unplug the power supply from the outlet before inserting or removing the spectrum tube. DO NOT TOUCH THE SOCKETS WHEN THE POWER SWITCH IS ON or when the power supply is plugged in. Do not put fingers into the sockets at any time.

## EXPLANATION OF SYMBOLS



Caution, Refer Instruction Manual.

Attention, se referee au manuel d'Instruction.



Danger High Voltage Present.

Danger haute tension.



Protective Earth.

Terre de protection.

## 3223 High Power Supply For Spectrum Tube

Cat No.	Pack of	Price / Piece
3223	1	3800.00

# SPECTRUM DISCHARGE TUBE



## SPECTRUM DISCHARGE TUBES

- Central capillary portion is approximately 9-10cm long with electrodes sealed at both ends and connected to lead wires protected by metal caps.
- Loops welded to caps for electrical connection.
- Needs an induction coil 5cm spark, or a suitable transformer.
- Length of capillary portion can be varied as required.
- For intermittent use, cannot be used as lamps.
- Options include: Air, Argon, Carbon Dioxide, Helium gas, Hydrogen gas, Iodine, Krypton gas, Mercury gas, Neon gas, Nitrogen gas, Oxygen, Water vapor, Xenon, Bromine, and Deuterium.

## 3227-3241

Cat No.	Type	Pack of	Price / Piece
3227	Neon	10	360.00
3228	Mercury	10	360.00
3229	Hydrogen	10	360.00
3230	Helium	10	360.00
3231	Nitrogen	10	360.00
3232	Argon	10	360.00
3233	Oxygen	10	360.00
3234	Water Vapor	10	360.00
3235	Carbon	10	360.00
3236	Sulphur	10	360.00
3237	Krypton	10	360.00
3238	Air	10	360.00
3239	Xenon	10	360.00
3240	Bromine	10	360.00
3241	Deuterium	10	360.00



**LIEMCO**

Hydrometer



## Liemco Hydrometers

Liemco Hydrometers are precision instruments manufactured from the highest quality glass tubing especially selected to be free from stain and other defects. Precisely poised with lead shot sealed in a special wax ensures correct alignment.

Scales have clearly marked figures and graduations. Temperature adjustment is marked on the scale of each hydrometer.

Where applicable the Fiducial Mark enables calibration by our own NABL ( ISO/IEC 17025:2005 ) Laboratory.

Omsons manufacture a multiplicity of hydrometers from Commercial Grade suitable for general use in laboratories and universities to hydrometers in accordance with IS, British, ASTM, API and other international recognized standards as well as hydrometers for specific applications, such as Density Hydrometer, Specific gravity, Lactometer, Alcohol, Brix, Twaddle etc. NABL Certified Calibration Certificates are available for All ranges of hydrometers.

Omsons Hydrometers are now available as Thermo-Hydrometers (Hydrometers with an integral thermometer). This avoids the necessity of purchasing a separate thermometer to determine the temperature of the medium under test to ensure the correct adjustment is made to the hydrometer reading should it differ from the hydrometer calibrated (adjusted) temperature. Thermo-Hydrometers can be supplied with a unique non-toxic 'Safety Blue' filling. Blue Spirit and mercury filled versions are also available. API and density Thermo-Hydrometers for general laboratory use in industrial, scientific and educational establishments.

### PETROLEUM HYDROMETER :

These Hydrometers are specifically designed for the testing of oil and petroleum related products as specified by the Institute of Petroleum. They can be supplied with NABL Certified Calibration Certificates traceable to National Standards. Calibrated for reading at the horizontal surface of the liquid they have higher tolerances than standard BS718 hydrometers. Available with Density (g/ml.) scales at 15°C.

**All other Hydrometers are also available with NABL (ISO/IEC 17025:2005 ) Certificate**

## Density Petroleum Kit M-50



### 4000M

#### Density Petroleum Kit M-50

With **NABL** Calibration Certificate

Validity From **1** to **5** Years

Calibration Certificate for Density Hydrometers & Thermometers.

(Traceable from N.P.L. Certificate) All goods packed in a convenient moulded case pack.

Cat. No.	Containing	Pack of	Price/Piece
4000M/1	Hydrometer ISI Marked M - 50 SP 0.700 - 0.750 g/ml	1	3800.00
4000M/2	Hydrometer ISI Marked M - 50 SP 0.750 - 0.800 g/ml	1	
4000M/3	Hydrometer ISI Marked M - 50 SP 0.800 - 0.850 g/ml	1	
4000M/4	Thermometer Range -10 to 50 C (Least count. 0.25)	1	
4000M/5	OMSONS Filterpaper No. 2 (90 mm)	1	
4000M/6	Water Paste 100 gms.	1	
4000M/7	Oil Paste (Dip Paste) 100 gms.	1	
4000M/8	Glass Jar Borosilicate 500ml.	1	

Density Petroleum Kit L-50



4000L

Density Petroleum Kit L-50

With **NABL** Calibration Certificate

Validity From **1** to **5** Years

Calibration Certificate for Density Hydrometers & Thermometers.

(Traceable from N.P.L. Certificate) All goods packed in a convenient moulded case pack.

Cat. No.	Containing	Pack of	Price/Piece
4000L/1	Hydrometer ISI Marked L - 50 SP 0.700 - 0.750 g/ml	1	4450.00
4000L/2	Hydrometer ISI Marked L - 50 SP 0.750 - 0.800 g/ml	1	
4000L/3	Hydrometer ISI Marked L - 50 SP 0.800 - 0.850 g/ml	1	
4000L/4	Thermometer Range -10 to 50 C (Least count. 0.25)	1	
4000L/5	OMSONS Filterpaper No. 2 (90 mm)	1	
4000L/6	Water Paste 100 gms.	1	
4000L/7	Oil Paste (Dip Paste) 100 gms.	1	
4000L/8	Glass Jar Borosilicate 500ml.	1	

## Density Petroleum Kit M-50 with First aid Box



### 4000MF

#### Density Petroleum Kit M-50, with First Aid Kit

With **NABL** Calibration Certificate

Validity From **1** to **5** Years

Calibration Certificate for Density Hydrometers & Thermometers.

(Traceable from N.P.L. Certificate) All goods packed in a convenient moulded case pack.

Cat. No.	Containing	Pack of	Price/Piece
4000MF/1	Hydrometer ISI Marked M - 50 SP 0.700 - 0.750 g/ml	1	4100.00
4000MF/2	Hydrometer ISI Marked M - 50 SP 0.750 - 0.800 g/ml	1	
4000MF/3	Hydrometer ISI Marked M - 50 SP 0.800 - 0.850 g/ml	1	
4000MF/4	Thermometer Range -10 to 50 C (Least count. 0.25)	1	
4000MF/5	OMSONS Filterpaper No.2 (90 mm)	1	
4000MF/6	Water Paste 100 gms.	1	
4000MF/7	Oil Paste (Dip Paste) 100 gms.	1	
4000MF/8	Glass Jar Borosilicate 500ml.	1	
4000MF/9	First aid box	1	

## Density Petroleum Kit L-50 with First aid Box



### 4000LF

#### Density Petroleum Kit L-50, with First Aid Kit

With **NABL** Calibration Certificate

Validity From **1** to **5** Years

Calibration Certificate for Density Hydrometers & Thermometers.

(Traceable from N.P.L. Certificate) All goods packed in a convenient moulded case pack.

Cat. No.	Containing	Pack of	Price/Piece
4000LF/1	Hydrometer ISI Marked L - 50 SP 0.700 - 0.750 g/ml	1	4850.00
4000LF/2	Hydrometer ISI Marked L - 50 SP 0.750 - 0.800 g/ml	1	
4000LF/3	Hydrometer ISI Marked L - 50 SP 0.800 - 0.850 g/ml	1	
4000LF/4	Thermometer Range - 10 to 50 C (Least count. 0.25)	1	
4000LF/5	OMSONS Filterpaper No. 2 (90 mm)	1	
4000LF/6	Water Paste 100 gms.	1	
4000LF/7	Oil Paste (Dip Paste) 100 gms.	1	
4000LF/8	Glass Jar Borosilicate 500ml.	1	
4000LF/9	First aid box	1	

# DENSITY HYDROMETERS

IS:3104  
PART 1



## 4001-4007

### Density Hydrometers ISI Mark M-50 SP

- Analytical Laboratories Shot & Wax Poised,
- Adjusted for use at 15°C
- Calibration 0.001, Max Length 270 mm
- Accuracy  $\pm 0.0002$



Cat. No.	Range	Price/Piece	With NABL Certificate Price ( )
4001	0.650 - 0.700 g/ml	250.00	450.00
4002	0.700 - 0.750 g/ml	250.00	450.00
4003	0.750 - 0.800 g/ml	250.00	450.00
4004	0.800 - 0.850 g/ml	250.00	450.00
4005	0.850 - 0.900 g/ml	250.00	450.00
4006	0.900 - 0.950 g/ml	250.00	450.00
4007	0.950 - 1.000 g/ml	250.00	450.00

## 4008-4014

### Density Hydrometers IS Mark L-50 SP.

- Analytical Laboratories Shot & Wax Poised
- Adjusted for use at 15°C
- Calibration 0.0005, Max Length 335 mm
- Accuracy  $\pm 0.0002$

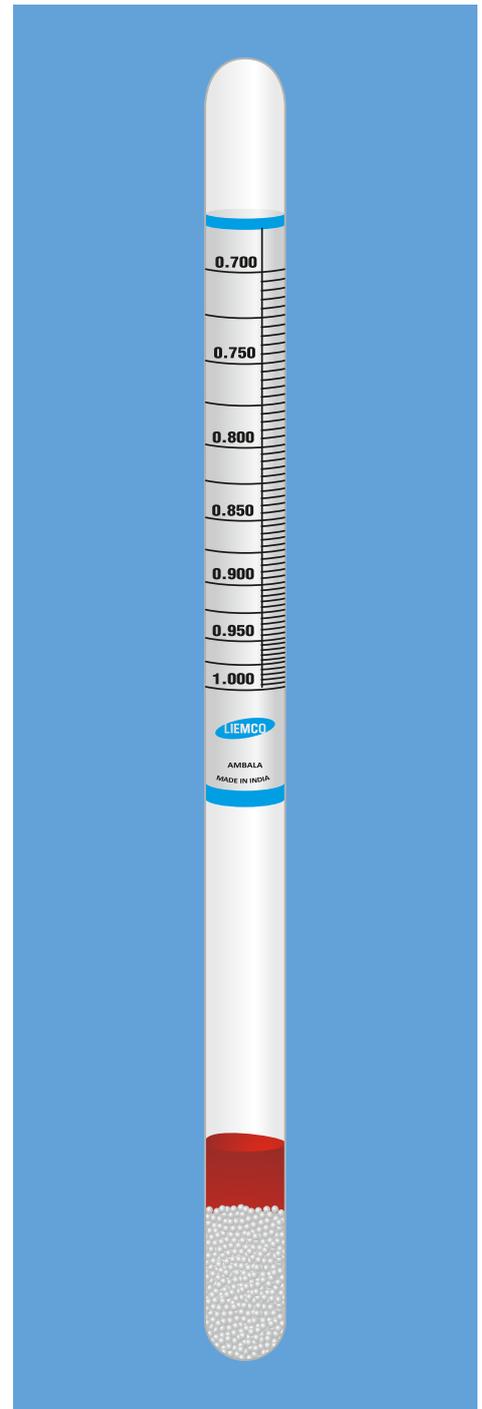
Cat. No.	Range	Price/Piece	With NABL Certificate Price ( )
4008	0.650 - 0.700 g/ml	500.00	700.00
4009	0.700 - 0.750 g/ml	500.00	700.00
4010	0.750 - 0.800 g/ml	500.00	700.00
4011	0.800 - 0.850 g/ml	500.00	700.00
4012	0.850 - 0.900 g/ml	500.00	700.00
4013	0.900 - 0.950 g/ml	500.00	700.00
4014	0.950 - 1.000 g/ml	500.00	700.00

## 4015-4019

### Specific Gravity / Baume

- Glass Hydrometers.
- General Purpose Shot & Wax Poised,
- Adjusted For Use At 20°C

Cat. No.	Specific Gravity - °Be Range	Price/Piece ₹	With NABL Certificate Price ₹
4015	Heavy Liquid 1.000 - 2.000 / 0 - 70°Be	100.00	700.00
4016	Light Liquid 0.700 - 1.000 / 10 - 70°Be	100.00	700.00
4017	1.000 - 1.500 / 0 - 50°Be	180.00	700.00
4018	1.500 - 2.000 / 50 - 70°Be	200.00	700.00
4019	Universal 0.700 - 2.000 / 70 - 72°Be	140.00	700.00



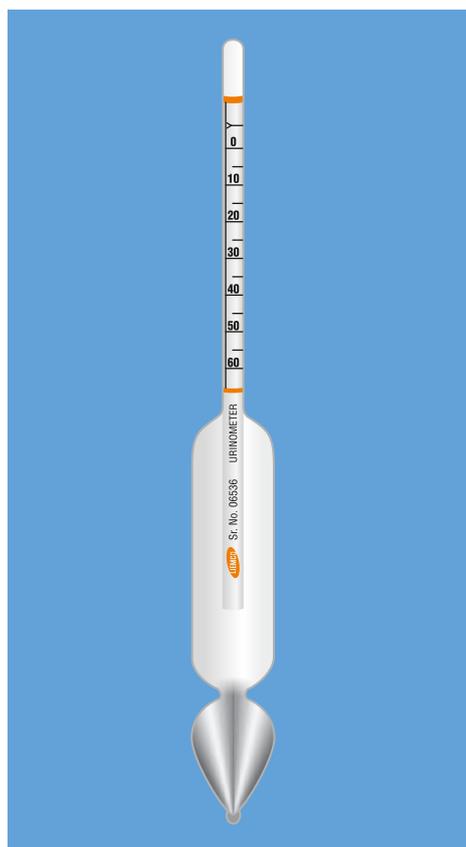
## 4020-4047

### Specific Gravity Glass Hydrometers

- Heavy Chemical Industrial Plant Laboratories
- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Specific Gravity Range	Price/Piece	With NABL Certificate Price ( )
4020	0.600 - 0.650 Sp.Gr.	310.00	700.00
4021	0.650 - 0.700 Sp.Gr.	210.00	700.00
4022	0.700 - 0.750 Sp.Gr.	210.00	700.00
4023	0.750 - 0.800 Sp.Gr.	210.00	700.00
4024	0.800 - 0.850 Sp.Gr.	210.00	700.00
4025	0.850 - 0.900 Sp.Gr.	210.00	700.00
4026	0.900 - 0.950 Sp.Gr.	210.00	700.00
4027	0.950 - 1.000 Sp.Gr.	210.00	700.00
4028	1.000 - 1.050 Sp.Gr.	210.00	700.00
4029	1.050 - 1.100 Sp.Gr.	210.00	700.00
4030	1.100 - 1.150 Sp.Gr.	210.00	700.00
4031	1.150 - 1.200 Sp.Gr.	220.00	700.00
4032	1.200 - 1.250 Sp.Gr.	220.00	700.00
4033	1.250 - 1.300 Sp.Gr.	220.00	700.00
4034	1.300 - 1.350 Sp.Gr.	220.00	700.00
4035	1.350 - 1.400 Sp.Gr.	220.00	700.00
4036	1.400 - 1.450 Sp.Gr.	220.00	700.00
4037	1.450 - 1.500 Sp.Gr.	220.00	700.00
4038	1.500 - 1.550 Sp.Gr.	250.00	700.00
4039	1.550 - 1.600 Sp.Gr.	250.00	700.00
4040	1.600 - 1.650 Sp.Gr.	280.00	700.00
4041	1.650 - 1.700 Sp.Gr.	280.00	700.00
4042	1.700 - 1.750 Sp.Gr.	420.00	700.00
4043	1.750 - 1.800 Sp.Gr.	420.00	700.00
4044	1.800 - 1.850 Sp.Gr.	420.00	700.00
4045	1.850 - 1.900 Sp.Gr.	420.00	700.00
4046	1.900 - 1.950 Sp.Gr.	420.00	700.00
4047	1.950 - 2.000 Sp.Gr.	420.00	700.00

# GLASS HYDROMETERS



## 4048 Urinometers (Black)

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price( )
4048	1.000 - 1.060	110.00	700.00

## 4049 Urinometers (Silver Coated)

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price( )
4049	1.000 - 1.060	120.00	700.00



## 4050-4063 Specific Gravity Glass Hydrometers

- Heavy Chemical Industrial Plant Laboratories
- Shot & Wax Poised
- Adjusted For Use At 20°C

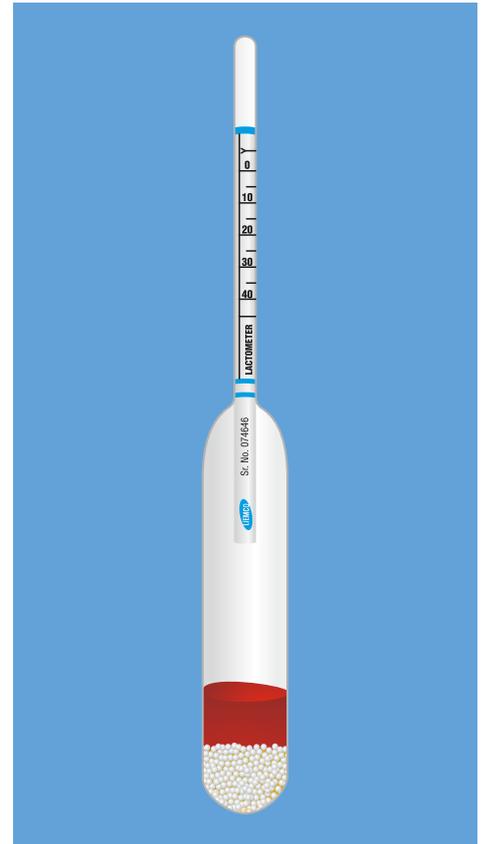
Cat. No.	Specific Gravity Range	Price/Piece	With NABL Certificate Price ( )
4050	0.600 - 0.700 Sp.Gr.	220.00	700.00
4051	0.700 - 0.800 Sp.Gr.	180.00	700.00
4052	0.800 - 0.900 Sp.Gr.	180.00	700.00
4053	0.900 - 1.000 Sp.Gr.	180.00	700.00
4054	1.000 - 1.100 Sp.Gr.	180.00	700.00
4055	1.100 - 1.200 Sp.Gr.	180.00	700.00
4056	1.200 - 1.300 Sp.Gr.	180.00	700.00
4057	1.300 - 1.400 Sp.Gr.	200.00	700.00
4058	1.400 - 1.500 Sp.Gr.	200.00	700.00
4059	1.500 - 1.600 Sp.Gr.	200.00	700.00
4060	1.600 - 1.700 Sp.Gr.	200.00	700.00
4061	1.700 - 1.800 Sp.Gr.	200.00	700.00
4062	1.800 - 1.900 Sp.Gr.	400.00	700.00
4063	1.900 - 2.000 Sp.Gr.	400.00	700.00

## 4064

### Lactometers (Black)

- Shot & Wax Poised
- Adjusted For Use At 84°F

Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price ( )
4064	1.000 - 1.040	110.00	700.00



## 4065

### Lactometers (Silver Coated)

- Shot & Wax Poised
- Adjusted For Use At 84°F

Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price ( )
4065	1.000 - 1.040	120.00	500.00

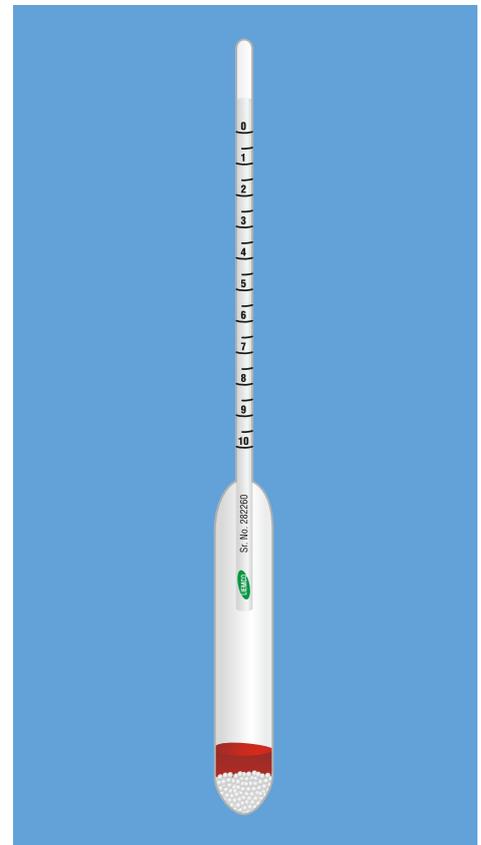


## 4066-4081

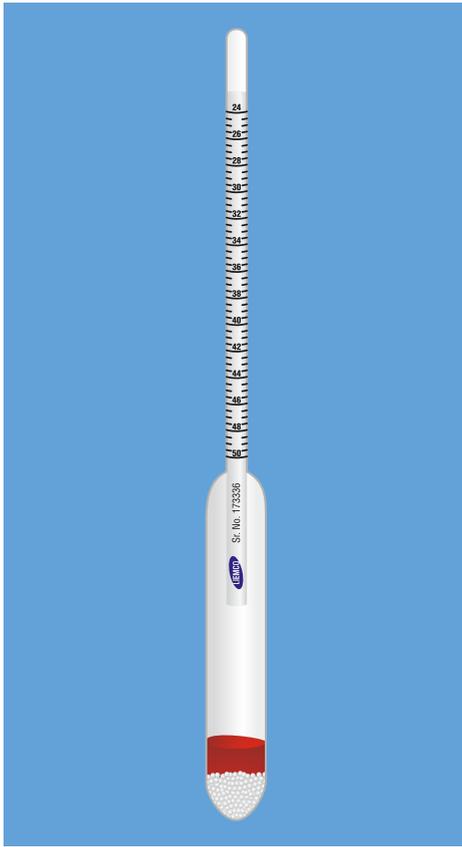
### Baume ( °Be) Glass Hydrometers

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Range °Be	Price/Piece	With NABL Certificate Price ( )
4066	00.0 - 10.0 °Be	180.00	700.00
4067	10.0 - 20.0 °Be	180.00	700.00
4068	20.0 - 30.0 °Be	180.00	700.00
4069	30.0 - 40.0 °Be	180.00	700.00
4070	40.0 - 50.0 °Be	180.00	700.00
4071	50.0 - 60.0 °Be	180.00	700.00
4072	60.0 - 70.0 °Be	180.00	700.00
4073	00.0 - 20.0 °Be	200.00	700.00
4074	20.0 - 40.0 °Be	200.00	700.00
4075	40.0 - 60.0 °Be	200.00	700.00
4076	00.0 - 30.0 °Be	200.00	700.00
4077	30.0 - 60.0 °Be	200.00	700.00
4078	00.0 - 40.0 °Be	200.00	700.00
4079	40.0 - 50.0 °Be	200.00	700.00
4080	00.0 - 50.0 °Be	200.00	700.00
4081	00.0 - 70.0 °Be	200.00	700.00



# GLASS HYDROMETERS

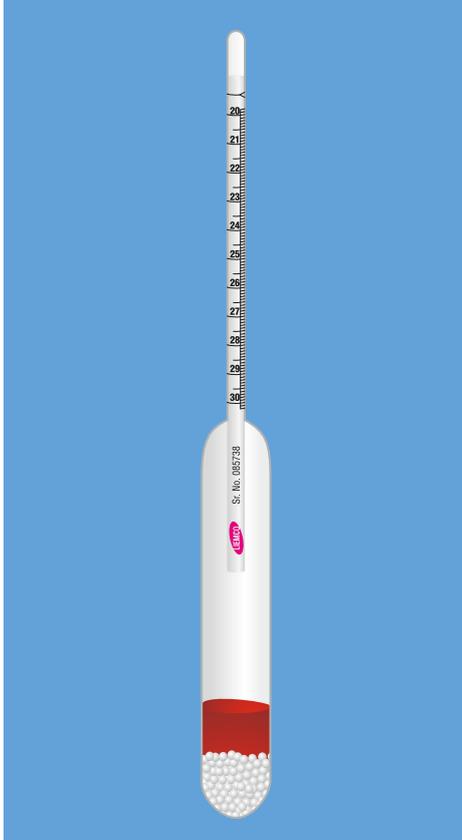


## 4082-4088

### Twaddle Glass Hydrometers

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Range Twaddle	Price/Piece	With NABL Certificate Price ( )
4082	0 - 26 °Tw / Tw No. 1	200.00	700.00
4083	24 - 50 °Tw / Tw No. 2	200.00	700.00
4084	48 - 74 °Tw / Tw No. 3	200.00	700.00
4085	72 - 104 °Tw / Tw No. 4	200.00	700.00
4086	102 - 138 °Tw / Tw No. 5	210.00	700.00
4087	136 - 174 °Tw / Tw No. 6	210.00	700.00
4088	160 - 200 °Tw / Tw No. 7	400.00	700.00



## 4089-4100

### Brix (°Bx) Glass Hydrometers

- °Bx = % Sucrose (Sugar) In Water
- Shot & Wax Poised
- Adjusted For Use At 20°C / \*27.5°C

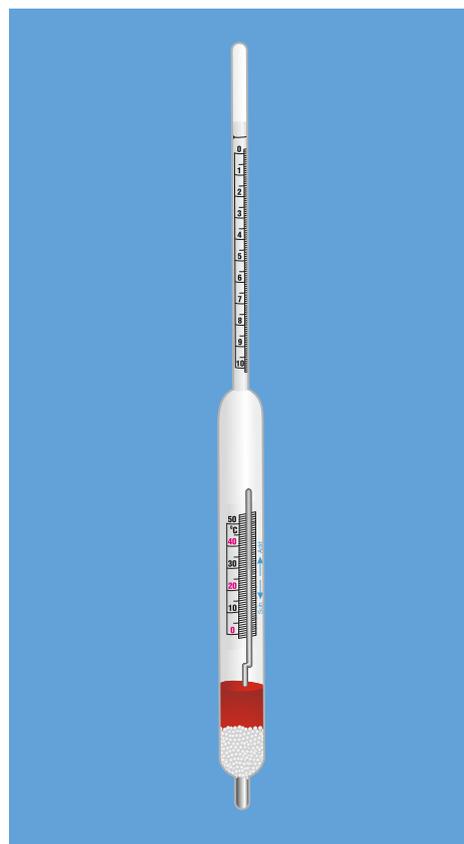
Cat. No.	Range Brix (°Bx)	Price/Piece	With NABL Certificate Price ( )
4089	00.0 - 10.0 °Bx.	310.00	700.00
4090	10.0 - 20.0 °Bx.	310.00	700.00
4091	20.0 - 30.0 °Bx.	310.00	700.00
4092	30.0 - 40.0 °Bx.	310.00	700.00
4093	40.0 - 50.0 °Bx.	310.00	700.00
4094	50.0 - 60.0 °Bx.	310.00	700.00
4095	60.0 - 70.0 °Bx.	310.00	700.00
4096	70.0 - 80.0 °Bx.	310.00	700.00
4097	80.0 - 90.0 °Bx.	310.00	700.00
4098	00.0 - 30.0 °Bx.	310.00	700.00
4099	30.0 - 60.0 °Bx.	310.00	700.00
4100	60.0 - 90.0 °Bx.	310.00	700.00

## 4101-4113

### Brix (°Bx) Glass Hydrometers

- Built-in Thermometers (Thermohydrometers)
- Shot & Wax Poised
- Adjusted For Use At 20°C /\*27.5°C

Cat. No.	Range Brix (°Bx)	Price/Piece	With NABL Certificate Price( )
4101	00.0 - 10.0 °Bx.	550.00	1200.00
4102	10.0 - 20.0 °Bx.	550.00	1200.00
4103	20.0 - 30.0 °Bx.	550.00	1200.00
4104	30.0 - 40.0 °Bx.	550.00	1200.00
4105	40.0 - 50.0 °Bx.	550.00	1200.00
4106	50.0 - 60.0 °Bx.	550.00	1200.00
4107	60.0 - 70.0 °Bx.	550.00	1200.00
4108	70.0 - 80.0 °Bx.	550.00	1200.00
4109	80.0 - 90.0 °Bx.	550.00	1200.00
4110	90.0 - 100.0 °Bx.	550.00	1200.00
4111	00.0 - 30.0 °Bx.	550.00	1200.00
4112	30.0 - 60.0 °Bx.	550.00	1200.00
4113	60.0 - 90.0 °Bx.	550.00	1200.00

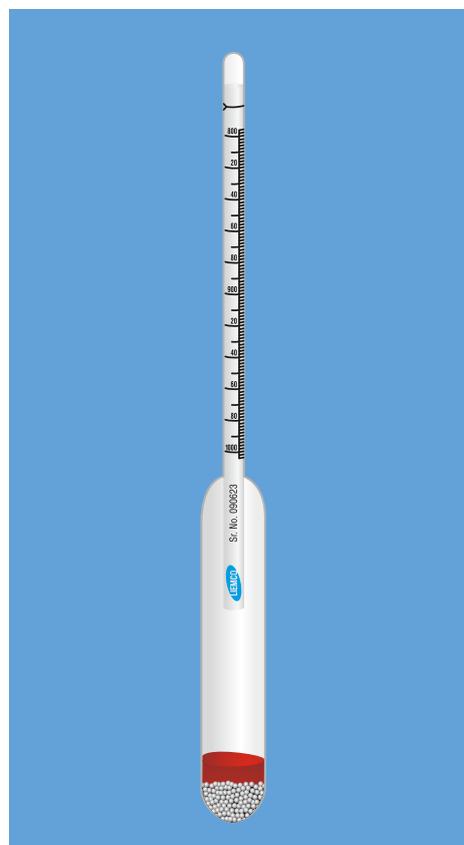


## 4114-4120

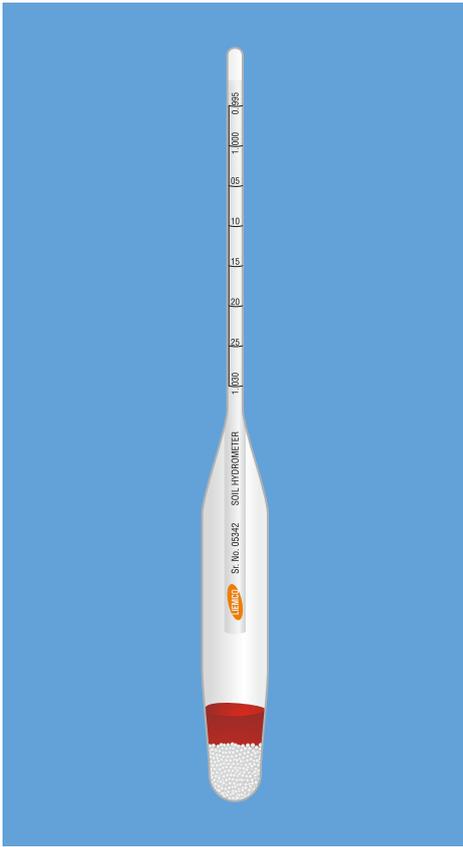
### Specific Gravity Glass Hydrometers General Purpose

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Specific Gravity Range	Price/Piece	With NABL Certificate Price
4114	0.600-0.800 Sp.Gr.	180.00	700.00
4115	0.800-1.000 Sp.Gr.	180.00	700.00
4116	1.000-1.200 Sp.Gr.	180.00	700.00
4117	1.200-1.400 Sp.Gr.	180.00	700.00
4118	1.400-1.600 Sp.Gr.	180.00	700.00
4119	1.600-1.800 Sp.Gr.	320.00	700.00
4120	1.800-2.000 Sp.Gr.	410.00	700.00



# GLASS HYDROMETERS

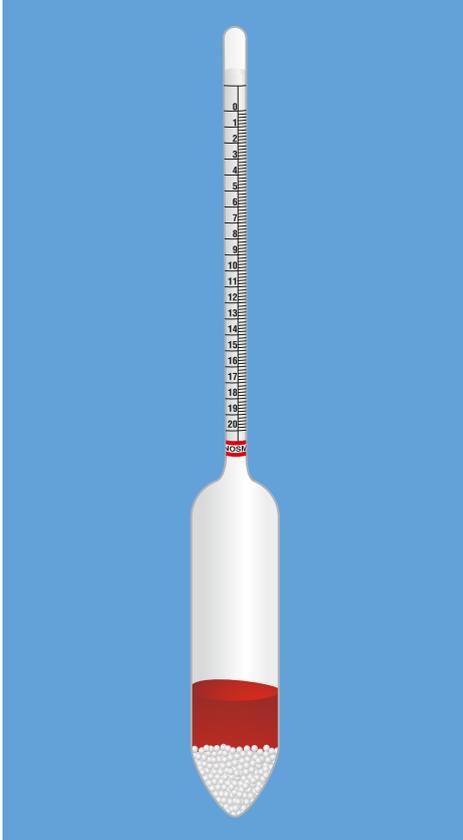


## 4121-4122

### Soil Glass Hydrometers

- Shot & Wax Poised
- Adjusted For Use At 20°C

Cat. No.	Range (°Soil)	Price/Piece	With NABL Certificate Price( )
4121	0.995 - 1.030 Sp. Gr.	320.00	700.00
4122	-5 -60.0 Sp. Gr.	380.00	700.00



## 4123-4129

### Sikes (°SK) Glass Hydrometers

- Distillery & Alcohol Industries
- Shot & Wax Poised
- Adjusted For Use At 51°F

Cat. No.	Range °Sikes	Price/Piece	With NABL Certificate Price( )
4123	00.0 - 20.0 °Ask	300.00	700.00
4124	00.0 - 20.0 °Sk	300.00	700.00
4125	20.0 - 40.0 °Sk	300.00	700.00
4126	40.0 - 60.0 °Sk	300.00	700.00
4127	60.0 - 80.0 °Sk	300.00	700.00
4128	80.0 - 100.0 °Sk	300.00	700.00
4129	60.0 - 90.0 °Sk	300.00	700.00

## 4130-4132

### Glass Alcoholometer

- Gay Lussac % v/v Ethyl Alcohol In Water
- Shot & Wax Poised
- Adjusted For Use @ 20°C

Cat. No.	Range v/v % Alcohol	Price/Piece	With NABL Certificate Price( )
4130	0 - 100%	180.00	700.00
4131	90 - 100 %	600.00	800.00
4132	94 - 104 %	600.00	800.00

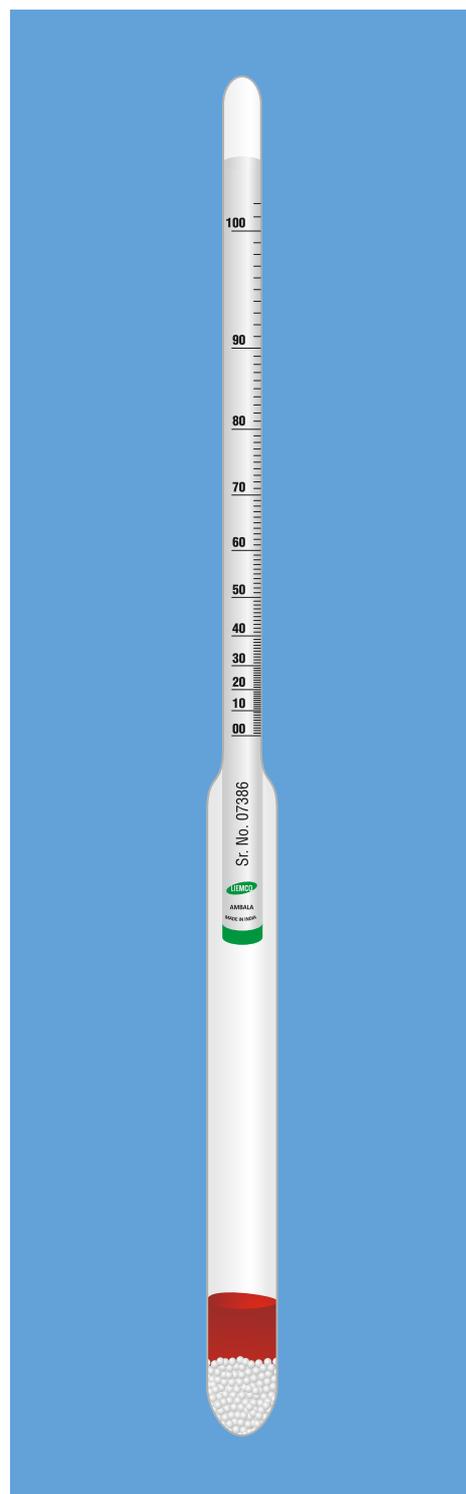


## 4133-4137

### Glass Alcoholometer

- Gay Lussac % v/v Ethyl Alcohol In Water
- Shot & Wax Poised
- Adjusted For Use @ 20°C

Cat. No.	Range v/v % Alcohol	Price/Piece	With NABL Certificate Price( )
4133	00.0 - 20.0 %	650.00	1200.00
4134	20.0 - 40.0 %	650.00	1200.00
4135	40.0 - 60.0 %	650.00	1200.00
4136	60.0 - 80.0 %	650.00	1200.00
4137	80.0 - 100.0 %	650.00	1200.00





## Hydrometers & Thermometer

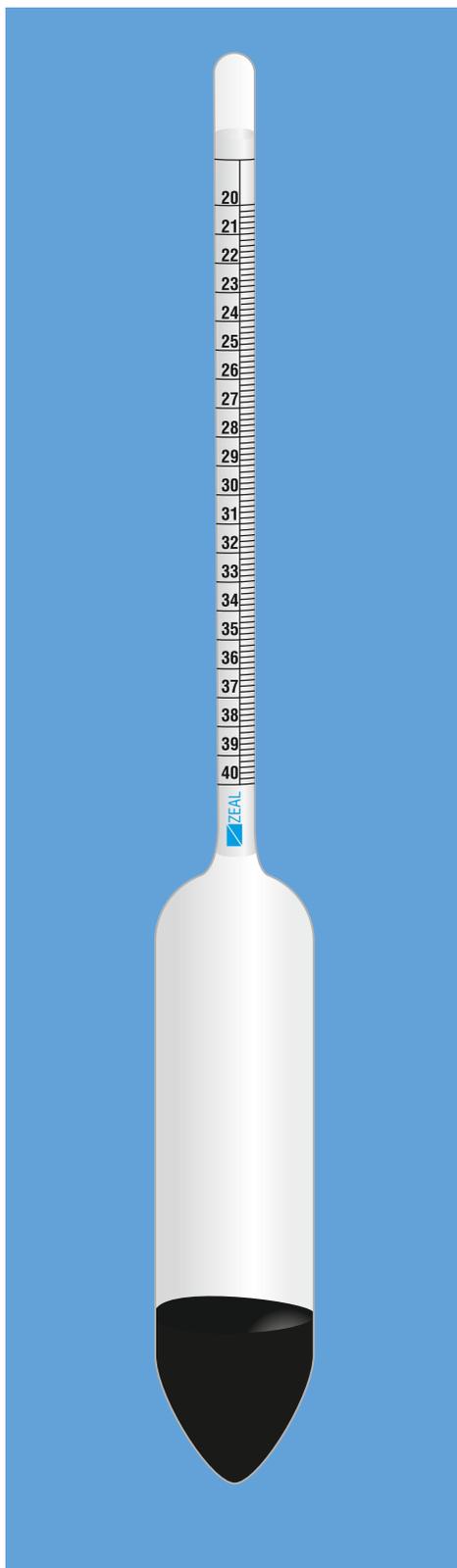
# Temperature Conversion Table

## Fahrenheit to Celsius or Celsius to Fahrenheit

°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
-328.0	<b>-200</b>	-128.9	-25.6	<b>-32</b>	-35.6	60.8	<b>16</b>	-8.9	147.2	<b>64</b>	17.8	233.6	<b>112</b>	44.4	320.0	<b>160</b>	71.1	406.4	<b>208</b>	97.8	752.0	<b>400</b>	204.4
-319.0	<b>-195</b>	-126.1	-23.8	<b>-31</b>	-35.0	62.6	<b>17</b>	-8.3	149.0	<b>65</b>	18.3	235.4	<b>113</b>	45.0	321.8	<b>161</b>	71.7	408.2	<b>209</b>	98.3	761.0	<b>405</b>	207.2
-310.0	<b>-190</b>	-123.3	-22.0	<b>-30</b>	-34.4	64.4	<b>18</b>	-7.8	150.8	<b>66</b>	18.9	237.2	<b>114</b>	45.6	323.6	<b>162</b>	72.2	410.0	<b>210</b>	98.9	770.0	<b>410</b>	210.0
-301.0	<b>-185</b>	-120.6	-20.2	<b>-29</b>	-33.9	66.2	<b>19</b>	-7.2	152.6	<b>67</b>	19.4	239.0	<b>115</b>	46.1	325.4	<b>163</b>	72.8	411.8	<b>211</b>	99.4	779.0	<b>415</b>	212.8
-292.0	<b>-180</b>	-117.8	-18.4	<b>-28</b>	-33.3	68.0	<b>20</b>	-6.7	154.4	<b>68</b>	20.0	240.8	<b>116</b>	46.7	327.2	<b>164</b>	73.3	413.6	<b>212</b>	100.0	788.0	<b>420</b>	215.6
-283.0	<b>-175</b>	-115.0	-16.6	<b>-27</b>	-32.8	69.8	<b>21</b>	-6.1	156.2	<b>69</b>	20.6	242.6	<b>117</b>	47.2	329.0	<b>165</b>	73.9	415.4	<b>213</b>	100.6	797.0	<b>425</b>	218.3
-274.0	<b>-170</b>	-112.2	-14.8	<b>-26</b>	-32.2	71.6	<b>22</b>	-5.6	158.0	<b>70</b>	21.1	244.4	<b>118</b>	47.8	330.8	<b>166</b>	74.4	417.2	<b>214</b>	101.1	806.0	<b>430</b>	221.1
-265.0	<b>-165</b>	-109.4	-13.0	<b>-25</b>	-31.7	73.4	<b>23</b>	-5.0	159.8	<b>71</b>	21.7	246.2	<b>119</b>	48.3	332.6	<b>167</b>	75.0	419.0	<b>215</b>	101.7	815.0	<b>435</b>	223.9
-256.0	<b>-160</b>	-106.7	-11.2	<b>-24</b>	-31.1	75.2	<b>24</b>	-4.4	161.6	<b>72</b>	22.2	248.0	<b>120</b>	48.9	334.4	<b>168</b>	75.6	420.8	<b>216</b>	102.2	824.0	<b>440</b>	226.7
-247.0	<b>-155</b>	-103.9	-9.4	<b>-23</b>	-30.6	77.0	<b>25</b>	-3.9	163.4	<b>73</b>	22.8	249.8	<b>121</b>	49.4	336.2	<b>169</b>	76.1	422.6	<b>217</b>	102.8	833.0	<b>445</b>	229.4
-238.0	<b>-150</b>	-101.1	-7.6	<b>-22</b>	-30.0	78.8	<b>26</b>	-3.3	165.2	<b>74</b>	23.3	251.6	<b>122</b>	50.0	338.0	<b>170</b>	76.7	424.4	<b>218</b>	103.3	842.0	<b>450</b>	232.2
-229.0	<b>-145</b>	-98.3	-5.8	<b>-21</b>	-29.4	80.6	<b>27</b>	-2.8	167.0	<b>75</b>	23.9	253.4	<b>123</b>	50.6	339.8	<b>171</b>	77.2	426.2	<b>219</b>	103.9	851.0	<b>455</b>	235.0
-220.0	<b>-140</b>	-95.6	-4.0	<b>-20</b>	-28.9	82.4	<b>28</b>	-2.2	168.8	<b>76</b>	24.4	255.2	<b>124</b>	51.1	341.6	<b>172</b>	77.8	428.0	<b>220</b>	104.4	860.0	<b>460</b>	237.8
-211.0	<b>-135</b>	-92.8	-2.2	<b>-19</b>	-28.3	84.2	<b>29</b>	-1.7	170.6	<b>77</b>	25.0	257.0	<b>125</b>	51.7	343.4	<b>173</b>	78.3	437.0	<b>225</b>	107.2	869.0	<b>465</b>	240.6
-202.0	<b>-130</b>	-90.0	-0.4	<b>-18</b>	-27.8	86.0	<b>30</b>	-1.1	172.4	<b>78</b>	25.6	258.8	<b>126</b>	52.2	345.2	<b>174</b>	78.9	446.0	<b>230</b>	110.0	878.0	<b>470</b>	243.3
-193.0	<b>-125</b>	-87.2	1.4	<b>-17</b>	-27.2	87.8	<b>31</b>	-0.6	174.2	<b>79</b>	26.1	260.6	<b>127</b>	52.8	347.0	<b>175</b>	79.4	455.0	<b>235</b>	112.8	887.0	<b>475</b>	246.1
-184.0	<b>-120</b>	-84.4	3.2	<b>-16</b>	-26.7	89.6	<b>32</b>	0.0	176.0	<b>80</b>	26.7	262.4	<b>128</b>	53.3	348.8	<b>176</b>	80.0	464.0	<b>240</b>	115.6	896.0	<b>480</b>	248.9
-175.0	<b>-115</b>	-81.7	5.0	<b>-15</b>	-26.1	91.4	<b>33</b>	0.6	177.8	<b>81</b>	27.2	264.2	<b>129</b>	53.9	350.6	<b>177</b>	80.6	473.0	<b>245</b>	118.3	905.0	<b>485</b>	251.7
-166.0	<b>-110</b>	-78.9	6.8	<b>-14</b>	-25.6	93.2	<b>34</b>	1.1	179.6	<b>82</b>	27.8	266.0	<b>130</b>	54.4	352.4	<b>178</b>	81.1	482.0	<b>250</b>	121.1	914.0	<b>490</b>	254.4
-157.0	<b>-105</b>	-76.1	8.6	<b>-13</b>	-25.0	95.0	<b>35</b>	1.7	181.4	<b>83</b>	28.3	267.8	<b>131</b>	55.0	354.2	<b>179</b>	81.7	491.0	<b>255</b>	123.9	923.0	<b>495</b>	257.2
-148.0	<b>-100</b>	-73.3	10.4	<b>-12</b>	-24.4	96.8	<b>36</b>	2.2	183.2	<b>84</b>	28.9	269.6	<b>132</b>	55.6	356.0	<b>180</b>	82.2	500.0	<b>260</b>	126.7	932.0	<b>500</b>	260.0
-139.0	<b>-95</b>	-70.6	12.2	<b>-11</b>	-23.9	98.6	<b>37</b>	2.8	185.0	<b>85</b>	29.4	271.4	<b>133</b>	56.1	357.8	<b>181</b>	82.8	509.0	<b>265</b>	129.4	941.0	<b>505</b>	262.8
-130.0	<b>-90</b>	-67.8	14.0	<b>-10</b>	-23.3	100.4	<b>38</b>	3.3	186.8	<b>86</b>	30.0	273.2	<b>134</b>	56.7	359.6	<b>182</b>	83.3	518.0	<b>270</b>	132.2	950.0	<b>510</b>	265.6
-121.0	<b>-85</b>	-65.0	15.8	<b>-9</b>	-22.8	102.2	<b>39</b>	3.9	188.6	<b>87</b>	30.6	275.0	<b>135</b>	57.2	361.4	<b>183</b>	83.9	527.0	<b>275</b>	135.0	959.0	<b>515</b>	268.3
-112.0	<b>-80</b>	-62.2	17.6	<b>-8</b>	-22.2	104.0	<b>40</b>	4.4	190.4	<b>88</b>	31.1	276.8	<b>136</b>	57.8	363.2	<b>184</b>	84.4	536.0	<b>280</b>	137.8	968.0	<b>520</b>	271.1
-103.0	<b>-75</b>	-59.4	19.4	<b>-7</b>	-21.7	105.8	<b>41</b>	5.0	192.2	<b>89</b>	31.7	278.6	<b>137</b>	58.3	365.0	<b>185</b>	85.0	545.0	<b>285</b>	140.6	977.0	<b>525</b>	273.9
-94.0	<b>-70</b>	-56.7	21.2	<b>-6</b>	-21.1	107.6	<b>42</b>	5.6	194.0	<b>90</b>	32.2	280.4	<b>138</b>	58.9	366.8	<b>186</b>	85.6	554.0	<b>290</b>	143.3	986.0	<b>530</b>	276.7
-85.0	<b>-65</b>	-53.9	23.0	<b>-5</b>	-20.6	109.4	<b>43</b>	6.1	195.8	<b>91</b>	32.8	282.2	<b>139</b>	59.4	368.6	<b>187</b>	86.1	563.0	<b>295</b>	146.1	995.0	<b>535</b>	279.4
-76.0	<b>-60</b>	-51.1	24.8	<b>-4</b>	-20.0	111.2	<b>44</b>	6.7	197.6	<b>92</b>	33.3	284.0	<b>140</b>	60.0	370.4	<b>188</b>	86.7	572.0	<b>300</b>	148.9	1004.0	<b>540</b>	282.2
-67.0	<b>-55</b>	-48.3	26.6	<b>-3</b>	-19.4	113.0	<b>45</b>	7.2	199.4	<b>93</b>	33.9	285.8	<b>141</b>	60.6	372.2	<b>189</b>	87.2	581.0	<b>305</b>	151.7	1013.0	<b>545</b>	285.0
-58.0	<b>-50</b>	-45.6	28.4	<b>-2</b>	-18.9	114.8	<b>46</b>	7.8	201.2	<b>94</b>	34.4	287.6	<b>142</b>	61.1	374.0	<b>190</b>	87.8	590.0	<b>310</b>	154.4	1022.0	<b>550</b>	287.8
-56.2	<b>-49</b>	-45.0	30.2	<b>-1</b>	-18.3	116.6	<b>47</b>	8.3	203.0	<b>95</b>	35.0	289.4	<b>143</b>	61.7	375.8	<b>191</b>	88.3	599.0	<b>315</b>	157.2	1031.0	<b>555</b>	290.6
-54.4	<b>-48</b>	-44.4	32.0	<b>0</b>	-17.8	118.4	<b>48</b>	8.9	204.8	<b>96</b>	35.6	291.2	<b>144</b>	62.2	377.6	<b>192</b>	88.9	608.0	<b>320</b>	160.0	1040.0	<b>560</b>	293.3
-52.6	<b>-47</b>	-43.9	33.8	<b>1</b>	-17.2	120.2	<b>49</b>	9.4	206.6	<b>97</b>	36.1	293.0	<b>145</b>	62.8	379.4	<b>193</b>	89.4	617.0	<b>325</b>	162.8	1049.0	<b>565</b>	296.1
-50.8	<b>-46</b>	-43.3	35.6	<b>2</b>	-16.7	122.0	<b>50</b>	10.0	208.4	<b>98</b>	36.7	294.8	<b>146</b>	63.3	381.2	<b>194</b>	90.0	626.0	<b>330</b>	165.6	1058.0	<b>570</b>	298.9
-49.0	<b>-45</b>	-42.8	37.4	<b>3</b>	-16.1	123.8	<b>51</b>	10.6	210.2	<b>99</b>	37.2	296.6	<b>147</b>	63.9	383.0	<b>195</b>	90.6	635.0	<b>335</b>	168.3	1067.0	<b>575</b>	301.7
-47.2	<b>-44</b>	-42.2	39.2	<b>4</b>	-15.6	125.6	<b>52</b>	11.1	212.0	<b>100</b>	37.8	298.4	<b>148</b>	64.4	384.8	<b>196</b>	91.1	644.0	<b>340</b>	171.1	1076.0	<b>580</b>	304.4
-45.4	<b>-43</b>	-41.7	41.0	<b>5</b>	-15.0	127.4	<b>53</b>	11.7	213.8	<b>101</b>	38.3	300.2	<b>149</b>	65.0	386.6	<b>197</b>	91.7	653.0	<b>345</b>	173.9	1085.0	<b>585</b>	307.2
-43.6	<b>-42</b>	-41.1	42.8	<b>6</b>	-14.4	129.2	<b>54</b>	12.2	215.6	<b>102</b>	38.9	302.0	<b>150</b>	65.6	388.4	<b>198</b>	92.2	662.0	<b>350</b>	176.7	1094.0	<b>590</b>	310.0
-41.8	<b>-41</b>	-40.6	44.6	<b>7</b>	-13.9	131.0	<b>55</b>	12.8	217.4	<b>103</b>	39.4	303.8	<b>151</b>	66.1	390.2	<b>199</b>	92.8	671.0	<b>355</b>	179.4	1103.0	<b>595</b>	312.8
-40.0	<b>-40</b>	-40.0	46.4	<b>8</b>	-13.3	132.8	<b>56</b>	13.3	219.2	<b>104</b>	40.0	305.6	<b>152</b>	66.7	392.0	<b>200</b>	93.3	680.0	<b>360</b>	182.2	1112.0	<b>600</b>	315.6
-38.2	<b>-39</b>	-39.4	48.2	<b>9</b>	-12.8	134.6	<b>57</b>	13.9	221.0	<b>105</b>	40.6	307.4	<b>153</b>	67.2	393.8	<b>201</b>	93.9	689.0	<b>365</b>	185.0	1121.0	<b>605</b>	318.3
-36.4	<b>-38</b>	-38.9	50.0	<b>10</b>	-12.2	136.4	<b>58</b>	14.4	222.8	<b>106</b>	41.1	309.2	<b>154</b>	67.8	395.6	<b>202</b>	94.4	698.0	<b>370</b>	187.8	1130.0	<b>610</b>	321.1
-34.6	<b>-37</b>	-38.3	51.8	<b>11</b>	-11.7	138.2	<b>59</b>	15.0	224.6	<b>107</b>	41.7	311.0	<b>155</b>	68.3	397.4	<b>203</b>	95.0	707.0	<b>375</b>	190.6	1139.0	<b>615</b>	323.9
-32.8	<b>-36</b>	-37.8	53.6	<b>12</b>	-11.1	140.0	<b>60</b>	15.6	226.4	<b>108</b>	42.2	312.8	<b>156</b>	68.9	399.2	<b>204</b>	95.6	716.0	<b>380</b>	193.3	1148.0	<b>620</b>	326.7
-31.0	<b>-35</b>	-37.2	55.4	<b>13</b>	-10.6	141.8	<b>61</b>	16.1	228.2	<b>109</b>	42.8	314.6	<b>157</b>	69.4	401.0	<b>205</b>	96.1	725.0	<b>385</b>	196.1	1157.0	<b>625</b>	329.4
-29.2	<b>-34</b>	-36.7	57.2	<b>14</b>	-10.0	143.6	<b>62</b>	16.7	230.0	<b>110</b>	43.3	316.4	<b>158</b>	70.0	402.8	<b>206</b>	96.7	734.0	<b>390</b>	198.9	1166.0	<b>630</b>	332.2
-27.4	<b>-33</b>	-36.1	59.0	<b>15</b>	-9.4	145.4	<b>63</b>	17.2	231.8	<b>111</b>	43.9	318.2	<b>159</b>	70.6	404.6	<b>207</b>	97.2	743.0	<b>395</b>	201.7	1175.0	<b>635</b>	335.0

**INSTRUCTIONS FOR USE:** The columns of figures printed in heavy type indicate the temperature (Fahrenheit or Celsius) which is to be converted. For example, to find the Celsius equivalent of 104°F, locate the figure 104 in the central columns of the table and read off the temperature in degrees Celsius in the column immediately to the Right (headed °C), namely 40°C. Similarly, to find the Fahrenheit equivalent of

# HYDROMETERS



## 5001-5006

### Sikes Hydrometer At 51°F

• Made in England

Cat. No.	Range °Sikes	Price / Piece	With NABL Certificate Price
5001	00.0 - 20.0 A °SK	1400.00	3000.00
5002	00.0 - 20.0 °SK	1400.00	3000.00
5003	20.0 - 40.0 °SK	1400.00	3000.00
5004	40.0 - 60.0 °SK	1400.00	3000.00
5005	60.0 - 80.0 °SK	1400.00	3000.00
5006	80.0 - 100.0 °SK	1400.00	3000.00



## 5007-5012

### Alcohol % V/V Hydrometer At 15.6°C/20°C

• Made in England

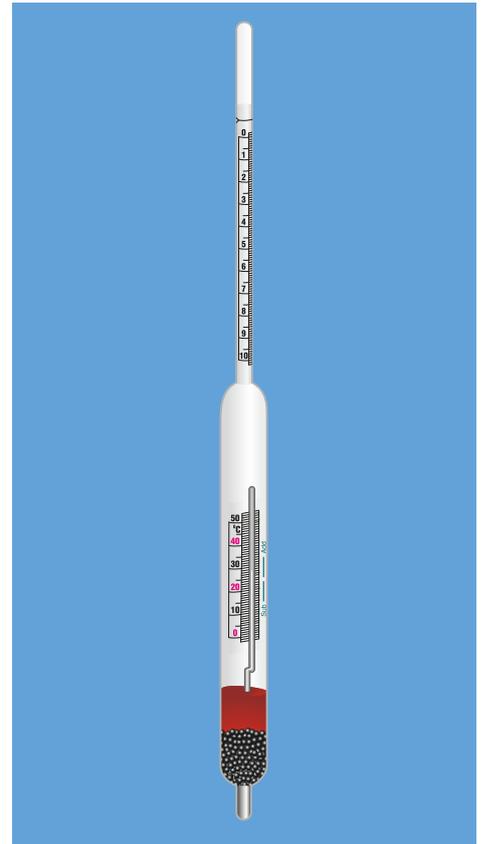
Cat. No.	Range V/V% Alcohol	Price / Piece	With NABL Certificate Price
5007	00.0 - 20.0 %	4000.00	5600.00
5008	20.0 - 40.0 %	4000.00	5600.00
5009	40.0 - 60.0 %	4000.00	5600.00
5010	60.0 - 80.0 %	4000.00	5600.00
5011	80.0 - 100.0 %	4000.00	5600.00
5012	0 - 100.0 %	4000.00	5600.00

## 5013-5025

### Germany : BRIX (°Bx) Glass Hydrometers with Built-In Thermometers

- Shot & Wax Poised
- Adjusted For Use At 20°C /\*27.5°C

Cat. No.	Range Brix (°Bx)	Price/Piece	With NABL Certificate Price( )
5013	00.0 - 10.0 °Bx.	1150.00	2400.00
5014	10.0 - 20.0 °Bxz	1150.00	2400.00
5015	20.0 - 30.0 °Bx.	1150.00	2400.00
5016	30.0 - 40.0 °Bx.	1150.00	2400.00
5017	40.0 - 50.0 °Bx.	1150.00	2400.00
5018	50.0 - 60.0 °Bx.	1150.00	2400.00
5019	60.0 - 70.0 °Bx.	1150.00	2400.00
5020	70.0 - 80.0 °Bx.	1150.00	2400.00
5021	80.0 - 90.0 °Bx.	1150.00	2400.00
5022	90.0 - 100.0 °Bx.	1150.00	2400.00
5023	00.0 - 30.0 °Bx.	1150.00	2400.00
5024	30.0 - 60.0 °Bx.	1150.00	2400.00
5025	60.0 - 90.0 °Bx.	1150.00	2400.00

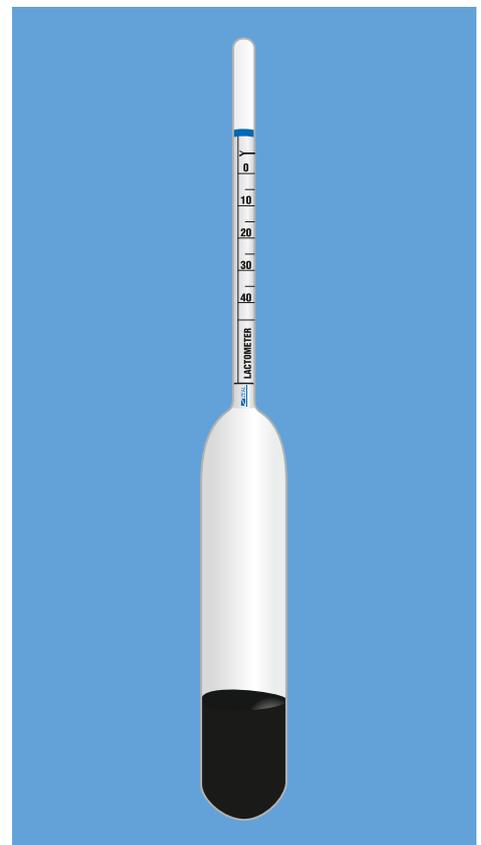


## 5039

### Lactometers (Black)

- Shot & Wax Poised
- Adjusted For Use At 84°F

Cat. No.	Sp. Gr. Range	Price/Piece	With NABL Certificate Price( )
5039	1.000 - 1.040	600.00	1000.00



# HYDROMETERS



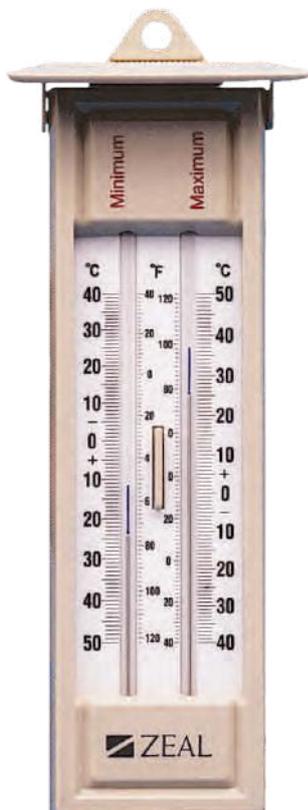
## 5026

### Wet & Dry Bulb Hydrometer

• With Plastic Body Include Humidity Chart C&F

Cat No. Code	Product	Range °Be	Price / Piece	With NABL Certificate Price
5026	Wet & Dry Bulb Hygrometer	-10 to 50 °C	1000.00	1800.00

**Also Available  
In Mercury Free  
Blue Liquid**



## 5027

### Maximum & Minimum Thermometer

• With Magnate Plastic Body

Cat No. Code	Product	Range °Be	Price / Piece	With NABL Certificate Price
5027	Wet & Dry Thermometer	-40 to 50 °C	1000.00	1800.00



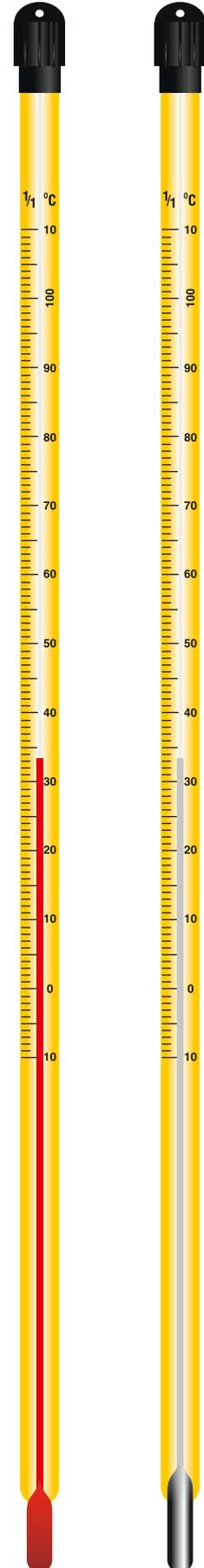
## 5028-5032

### General Purpose Glass Thermometers

- Yellow Glass With Screen Printing Red
- Alcohol Filled
- Packed in Plastic Case



Cat No. Code	Product	Range °Be	Price / Piece	With NABL Certificate Price
5028	Thermometer Least Count. (0.5)	-10 to 50 °C	On Request	On Request
5029	Thermometer Least Count. (1.0)	-10 to 110 °C	On Request	On Request
5030	Thermometer Least Count. (0.5)	-10 to 110 °C	On Request	On Request
5031	Thermometer Least Count. (1.0)	-10 to 150 °C	On Request	On Request
5032	Thermometer	0 to 240° F	On Request	On Request



## 5033-5038

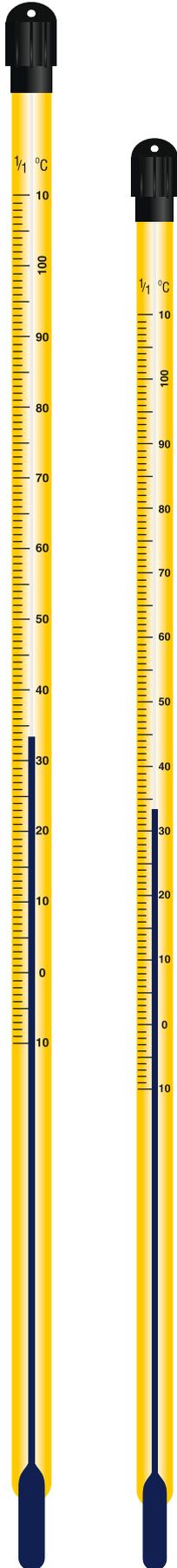
### General Purpose Glass Thermometers

- Yellow Glass With Screen Printing Red
- Alcohol Filled
- Packed in Plastic Case



Cat No. Code	Product	Range °Be	Price / Piece	With NABL Certificate Price
5033	Thermometer Least Count. (0.5)	-10 to 50 °C	On Request	On Request
5034	Thermometer Least Count. (1.0)	-10 to 110 °C	On Request	On Request
5035	Thermometer Least Count. (0.5)	-10 to 110 °C	On Request	On Request
5036	Thermometer Least Count. (1.0)	-10 to 150 °C	On Request	On Request
5037	Thermometer Least Count. (1.0)	-10 to 250° C	On Request	On Request
5038	Thermometer Least Count. (2.0)	-10 to 360° C	On Request	On Request

# THERMOMETER



## 5039-5047

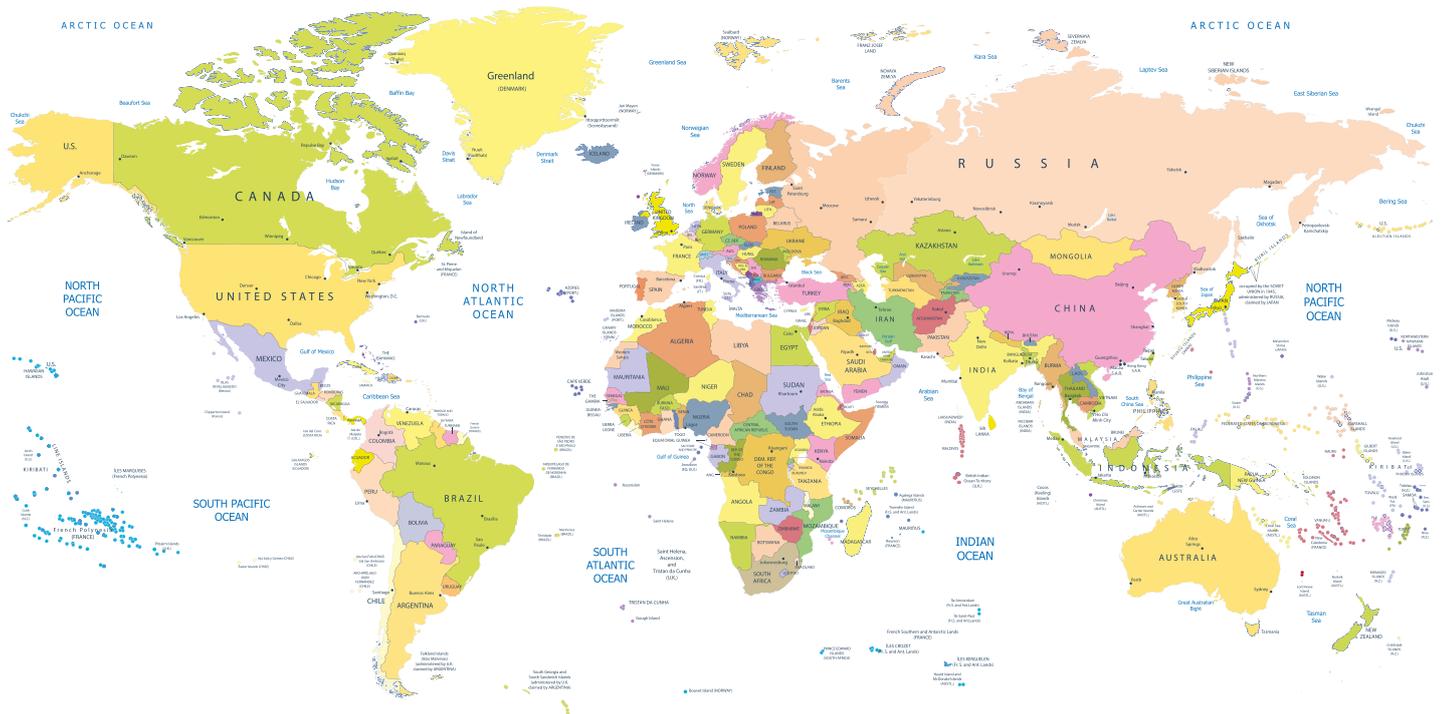
### General Purpose Glass Thermometer

- Available in with Certificate and without Certificate
- Available In Yellow And White Glass.
- Amber Screen Printing.
- Available In **Mercury Free**
- Individually Packed In Plastic Case.

Cat No.	Range	Least count °C	Total Length mm	Price / Piece	With NABL Certificate Price
5039	-10 to 50°C Mercury Free Blue Liquid	0.50 (1/2)	300	On Request	On Request
5040	-10 to 110°C Mercury Free Blue Liquid	1.00 (1/1)	300	On Request	On Request
5041	-10 to 110°C Mercury Free Blue Liquid	0.50 (1/2)	300	On Request	On Request
5042	-10 to 150°C Mercury Free Blue Liquid	1.00 (1/1)	300	On Request	On Request
5043	-10 to 250°C Mercury Free Blue Liquid	1.00 (1/1)	300	On Request	On Request
5044	0 to 120°F Mercury Free Blue Liquid	1.00 (1/1)	300	On Request	On Request
5045	0 to 220°F Mercury Free Blue Liquid	1.00 (1/1)	300	On Request	On Request
5046	0 to 240°F Mercury Free Blue Liquid	1.00 (1/1)	300	On Request	On Request
5047	0 to 400°F Mercury Free Blue Liquid	1.00 (1/1)	300	On Request	On Request



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