



**supertek**

# Laboratory Glassware

Edition 2018



ISO 9001:2008 CERTIFIED COMPANY  
ISO 17025:2005 ACCREDITED CALIBRATION LAB



**COMPLETE SOURCE FOR YOUR ALL REQUIREMENTS OF  
EDUCATIONAL & LABORATORY APPARATUS**



**PHYSICS**

**LAB SUPPLIES**



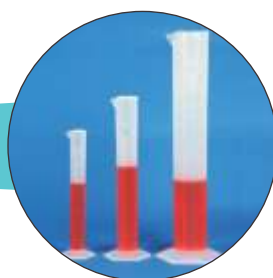
**BIOLOGY & TEACHING AIDS**

**MICROSCOPES**



**LAB GLASSWARE**

**LAB PLASTICWARE**



**KINDLY ASK  
FOR CATALOGUES**

**Shiv Dial Sud & Sons**

23, Industrial Estate, Ambala Cantt. 133 006 (INDIA)

Tel : +91-171-2699297, 2699537, 2699903

E-mail: [info@shivsons.com](mailto:info@shivsons.com)

[www.supertekglassware.com](http://www.supertekglassware.com)

[www.shivsons.com](http://www.shivsons.com)



# Shiv Dial Sud & Sons

## Corporate Profile

Founded in 1943, **SHIV DIAL SUD & SONS** is universally recognized as leading and reliable Manufacturer and Exporter of Laboratory Equipment and Glassware for use in Education, Health-care and Industry. We are exporting to more than sixty five countries and have been repeatedly awarded by Government of India for our outstanding exports.

Our commitment to provide utmost precision products has resulted in our brand “**Supertek**” becoming synonymous with **Reliability, Trust & Quality** – values that also characterize our corporate philosophy

With management consisting of Engineers and Scientists having combined experience extending to more than 75 years and a team dedicate to produce quality products with latest technologies, we specialize in providing high precision products at competitive prices. We also provide customized solutions as per client’s requirement.

Our five manufacturing units have covered area of more than 100,000 sq. ft. and consist of CNC's & VMC's, Automats along with conventional machinery for standardized production. Our product range includes Teaching Aids, Laboratory Glassware and Supplies. This catalogue contains our Laboratory Glassware product range, catalogues for Physics, Chemistry and Lab supplies are available separately.

**Supertek** ventured into fabrication of laboratory glassware with a vision to provide superior quality glassware made according to International standards such as ISO, DIN & ASTM. Within a short span of time we have set-up an independent 20,000 sq. ft. unit equipped with state of the art machinery like Automatic Volumetric calibration machines, Lehr Conveyer furnace for annealing, precision equipment for assessing glass-strain, Automatic Test tube making and printing machines along with many semi-automatic glass blowing machines.



With approximately 500+ standardized products, we offer our customers a wide range of Laboratory glassware. Our product range includes Volumetric Glassware, Inter-changeable Glassware, Condensers, General Labware, Glass Filtration Instruments, Glass Bottles and Tubes. We can also provide customized products depending upon customer requirement.

## Glassware Unit



## Manufacturing Infrastructure



Team of dedicated engineers guide skilled glass blowers working on Automatic & Semi-automatic machines to manufacture glassware products of different shapes and sizes as per International standards.

Standardized products are produced using Low expansion Boro 3.3 Glass as per ISO 3585 and ASTM E-438 TYPE 1 CLASS A. The raw material is sourced from reputed suppliers all over the world. We are sufficiently stocked with raw material at any given time.





We have a dedicated and experienced team of highly skilled Glass blowers ensuring standardized production of quality products.

All products manufactured by **Supertek** are annealed in Lehr conveyer furnace for producing strain free final products. Products are heated to precise annealing temperature and slowly cooled for a predefined period to ensure removal of all kinds of thermal stress and minimize chances of physical damage with change in temperature or mechanical shock.

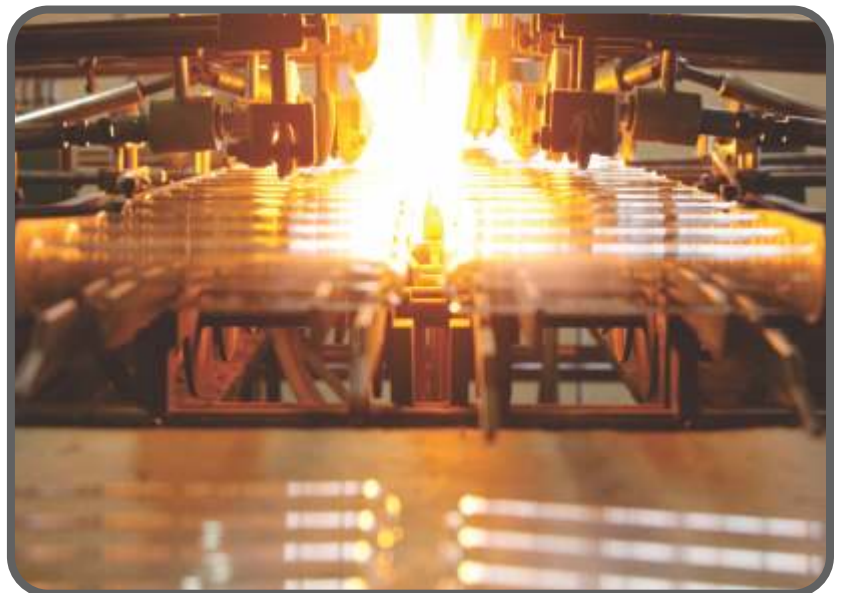


Ultrasonic washing machines are employed to ensure clean & clear products.



Delivering High volume products on time requires specialized equipment. Automatic printing machines are employed to handle production quantity of products with huge volume.

Automatic production machines are employed to handle large volume of Test tubes ensuring uniform wall thickness and strong rim.



## Volumetric Calibration

**Supertek** brand volumetric products are precisely calibrated in controlled environment on state of the art Automatic Calibrated Machines and highly accurate Balances. These machines are tuned to deliver products with highest possible accuracy. These machines work with temperature control equipment to regulate changes in calibration with change in water temperature. Lasers are used to check water meniscus and marking is done with diamond tools requiring no human intervention.





## ISO 17025:2005 Certificate

**Supertek** Calibration Laboratory has undertaken accreditation for calibration and testing as per ISO 17025:2005 from National Accreditation Board for testing and calibration Laboratory (NABL), which is an autonomous body under aegis of Department of Science & Technology, Government of India. NABL has a mutual recognition arrangement under the Asia Pacific Laboratory Accreditation Cooperation (APLAC) and the International Laboratory Accreditation Cooperation (ILAC), which means the calibrated product provided to customers approved by NABL is acceptable in calibration laboratories worldwide.



List of such accreditation bodies worldwide is given on the next page.

## List of Accreditation Bodies Worldwide

No.	Accreditation Body	Country
1	Organismo Argentina de Accreditation (OAA)	Argentina
2	National Association of Testing Authorities, Australia (NATA)	Australia
3	Bundersministerium fur Wirtschaft, Familie und Jugend (BMWA)	Austria
4	Belgian Accreditation Structure (BELAC)	Belgium
5	Coordenacao Geral de Acreditacao General Coordination for Accreditation (CGCRE/INMETRO)	Brazil
6	Standards Council of Canada (SCC)	Canada
7	Canadian Association for Laboratory Accreditation Inc. (CALA)	Canada
8	China National Accreditation Service for Conformity Assessment (CNAS)	People's Republic of China
9	Ente Costarricense de Accreditation (ECA)	Costa Rica
10	National Accreditation Body of Republic de Cuba (ONARc)	Cuba
11	Czech Accreditation Institute (CAI)	Czech Republic
12	Danish Accreditation (DANAK)	Denmark
13	Egyptian Accreditation Council (EGAC)	Egypt
14	Finnish Accreditation Service (FINAS)	Finland
15	Comite Francais d'Accreditation (COFRAC)	France
16	Deutsche Akkreditierungsstelle GmbH (DAKKS)	Germany
17	Hellenic Accreditation System S.A. (ESYD)	Greece
18	Oficina Guatemalteca de Acreditacion (OGA)	Guatemala
19	Hong Kong Accreditation Services (HKAS)	Hong Kong China
20	National Accreditation Board for Testing and Calibration Laboratories (NABAL)	India
21	National Accreditation Body of Indonesia (KAN)	Indonesia
22	Irish National Accreditation Board (INAB)	Ireland
23	Israel Laboratory Accreditation Authority (ISRAC)	Israel
24	Sistema Italiano di Accredimento (ACCREDIA)	Italy
25	Consorzio Pubblico per l'Accreditation (COPA)	Italy
26	Japan Accreditation Board for Conformity Assessment (JAB)	Japan
27	International Accreditation Japan (IAJapan)	Japan
28	Voluntary EMC Laboratory Accreditation Center INC (VLAC)	Japan
29	Korea Laboratory Accreditation Scheme (KOLAS)	Republic of Korea
30	Department of standards Malaysia (Standards Malaysia)	Malaysia
31	entidad Mexicana de acreditacion a.c. (ema)	Mexico
32	Dutch New Zealand Council (RvA)	The Netherlands
33	International Accreditation New Zealand (IANZ)	New Zealand
34	Norsk Akkreditering (NA)	Norway
35	Pakistan National Accreditation Council (PNAC)	Pakistan
36	Philippine Accreditation Office (PAO)	Philippines
37	Polish Center for Accreditation (PCA)	Poland
38	Instituto Portugues de Acreditacao (IPAC)	Portugal
39	Romanian Accreditation Association (RENAR)	Romania
40	Association of Analytical centers "Analitica" (AAC "Analitica")	Russian Federation

41	Singapore Accreditation Council (SAC)	Singapore
42	Slovak National Accreditation Service (SNAS)	Slovakia
43	Slovenian Accreditation (SA)	Slovenia
44	South African National Accreditation System (SANAS)	South Africa
45	Entidad Nacional de Acreditación (ENAC)	Spain
46	Sri Lanka Accreditation Board for Conformity Assessment (SLAB)	Sri Lanka
47	Swedish Board for Accreditation and Conformity Assessment (SWEDAC)	Sweden
48	Swiss Accreditation Services (SAS)	Switzerland
49	Taiwan Accreditation Foundation (TAF)	Chinese Taipei
50	The Bureau of Laboratory Quality Standards, Department of Medical Science, Ministry of Public Health, Thailand (BLQSDMSc)	Thailand
51	National Standardization Council of Thailand – Office of the National Accreditation Council (NSC – ONAC)	Thailand
52	Bureau of Laboratory Accreditation, Department of Science Services, Ministry of Science and Technology (BLA – DSS)	Thailand
53	Tunisian Accreditation Council (TUNAC)	Tunisia
54	Turkish Accreditation Agency (TURKAK)	Turkey
55	Dubai Municipality – Accreditation Department (DAC)	United Arab Emirates
56	United Kingdom Accreditation Service (UKAS)	United Kingdom
57	American Association for Laboratory Accreditation (A2LA)	USA
58	National Voluntary Laboratory Accreditation Program (NVLAP)	USA
59	International Accreditation Service, Inc (IAS)	USA
60	ANSI-ASQ National Accreditation Board doing Business as ACLASS	USA
61	Laboratory Accreditation Bureau (L-A-B)	USA
62	Perry Johnson Laboratory Accreditation, Inc. (PJLA)	USA
63	American Society of Crime Laboratory Directors/ Laboratory Accreditation Board (ASCLD/LAB)	USA
64	Bureau of Accreditation (BoA)	Vietnam

## Quality Assurance

Product quality directly depends on the quality of process. Quality control for Supertek products is employed in each stage of manufacturing process. This holistic view of quality assurance, involving all aspects of design, production, testing and packing ensures conformity with internal specifications as well as international standards. This is reflected in the approvals of ISO 9001:2008 & ISO 17025 standard.



## Quality Checks



### Enamel Adhesion Check

Tests are carried out as per ISO 4794 to ensure that enamel does not rub-off even with repeated usage and stays consistent even after using in Laboratory Glassware washers.



### Optical Clarity Check

Optical clarity of all the products manufactured is checked to ensure only clear glass products are supplied to all our users.



### Leakage Check

All Stopcocks are checked for any form of leakage first individually and then post attachment to make sure that no apparatus supplied by Supertek leaks.



### Residual Strain Check

Strain checking equipment (Polariscope) from one of the best manufacturer is used by Supertek to check for any residual strain in the products.



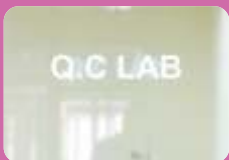
### Dimensional Check

Measuring Instruments of high accuracy are used for inspection of each and every piece atleast TWICE!!



### Joint Fitting Check

Dimensions and fitting of all sockets & cones are checked for proper taper ensuring zero leakage on use.



### Calibration check

All Volumetric glassware are checked at our ISO 17025 certified Calibration Lab for accuracy.

## ISO 9001:2008 Certificate



**KVQA**

*Certificate of Registration*  
(Quality Management System)

**KVQA CERTIFICATION SERVICES PVT. LTD.**

This is to certify that the Quality Management System of

**SHIV DIAL SUD & SONS**

**23, Industrial Estate, Jagadhri Road, Ambala Cantt,  
Haryana, India.**

Has been found to be of the Quality Management System Standard  
**ISO 9001:2015**

**This certificate is valid for the following product or service range**  
**Manufacturing & Exports of Laboratory Equipment & Consumables, Microscopes,  
Laboratory Glassware, Laboratory Reagents, Science Equipment, Mathematics  
Equipment, Vocational & Technical Equipment, Hospital Equipment & Supplies.**

1<sup>st</sup> Surveillance Due On: 26/03/2019: Done On:  
2<sup>nd</sup> Surveillance Due On: 26/03/2020: Done On:

Certificate No: **KDACQ201804152**  
Date Of Issue: 26, April, 2018  
Valid Until: 25, April, 2021\*



Issued by   
Authorised signatory KVQA



**DAC**  
CB-045-MS

DAC (Dubai Accreditation Centre) is a department within Dubai Municipality and is responsible for providing accreditation of conformity assessment bodies (CABs) in the fields of certification and inspection. Accreditation of DAC demonstrates the competence and independence of KVQA.

Accredited by a member of IAF's MLA for Quality Systems

To Check the Status of the Certification kindly log on to [www.kvqa.in](http://www.kvqa.in)  
F-300, Sector -63, Noida U.P., India. Ph-011-22711940, 22711941, email: [delhi@kvqaindia.com](mailto:delhi@kvqaindia.com)  
\*Subject to successful completion of surveillance audits



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# Volumetric Glassware

Supertek brand volumetric products are precisely calibrated in controlled environment to get very accurate determination and measurement of volumes. Supertek products are available in both class A and class B, calibrated on state of the art Automatic Calibration Machines.

Supertek Calibration Laboratory has undertaken accreditation for calibration and testing as per ISO 17025:2005 from National Accreditation Board for testing and calibration Laboratory (NABL), which is a autonomous body under aegis of Department of Science & Technology, Government of India. NABL has a mutual recognition arrangement under the Asia Pacific Laboratory Accreditation Cooperation (APLAC) and the International Laboratory Accreditation Cooperation (ILAC), which means the calibrated product provided to customers approved by NABL is acceptable in calibration laboratories worldwide.



To order NABL certified products, replace the first two digits of catalogue no. by 33. For example

## BURETTE WITH STRAIGHT BORE MOULDED SCREW THREAD GLASS STOPCOCK, CLASS A

NABL Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, $\pm$ ml	Pack size
33.101.0010	22.101.0010	10	0.05	0.03	1
33.101.0025	22.101.0025	25	0.1	0.05	1



# Supertek products are available with following certificates

## Class A Batch Certificate

Batch Certificate contains Mean Value, standard deviation of the batch along with a batch number. Each products is printed with batch no. and same no. is mention on the certificate.

## Class A Individual Certificate

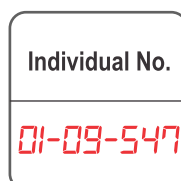
Individual certificate is given with the product. Certified volume of the product and environmental conditions during calibration of the product are mentioned on the same. Each product is printed with Individual no. and certificate for same is provided with the product.

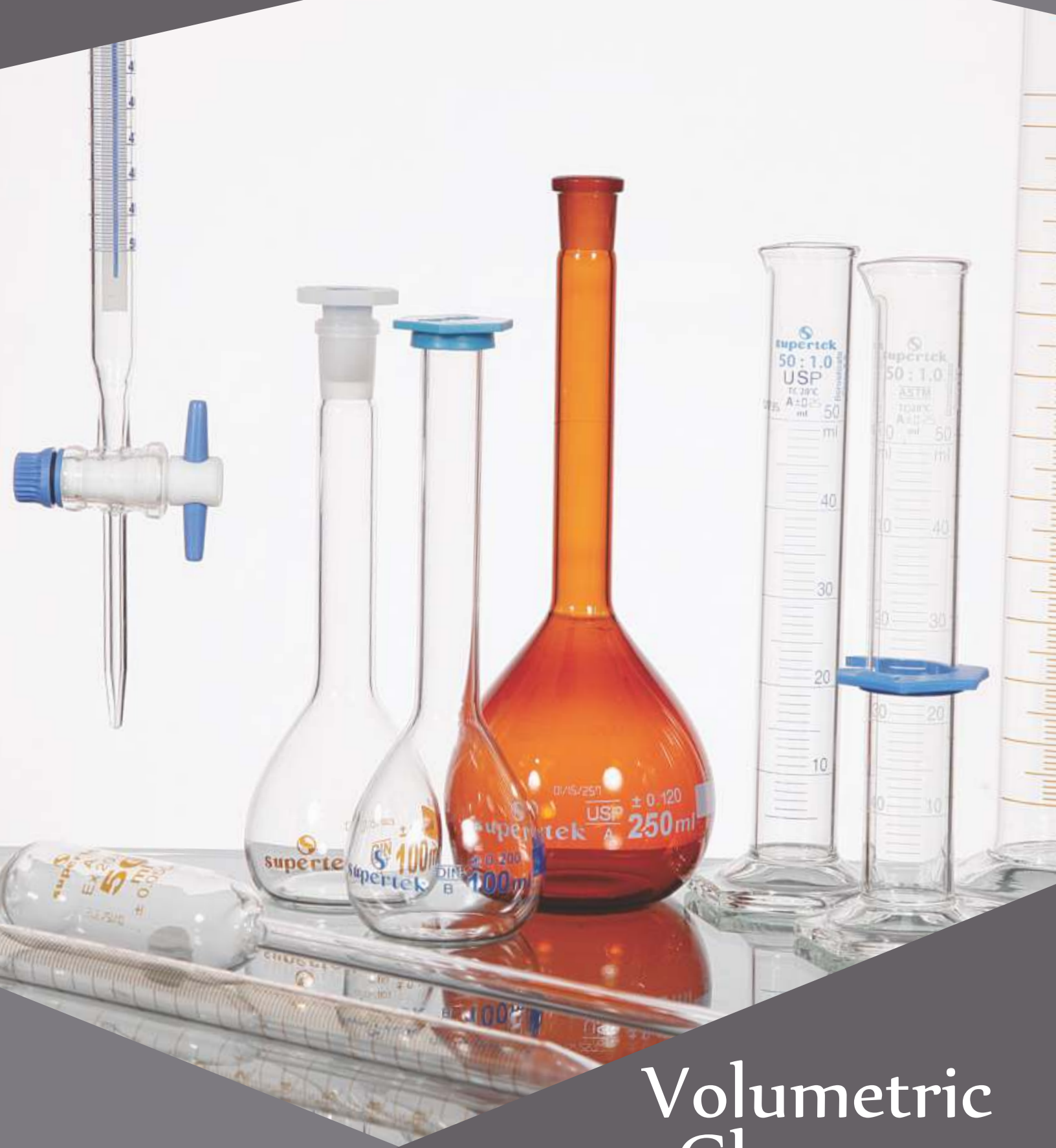
## NABL Approved Class A Individual Certificate

Individual certificate which have been approved by NABL Certified Laboratory. Each product is printed with Individual no. and certificate for same is provided with the product.



Certificate No.  
C-1108





# Volumetric Glassware

# Burette

www.supertekglassware.com

Supertek brand burettes are manufactured from Low-expansion Boro 3.3 glass in conformance with ASTM E-438 TYPE 1 CLASS A glass and DIN ISO 3585.

Each Pc. is Calibrated to deliver (Ex/TD) at + 20 °C reference temperature in controlled environment. Tolerances in volume conform to DIN ISO 385. The calibration also takes into account surface adhesion effects.

Precision Bore tubing is used for all Class A burettes. Burettes are available with conformity batch certificates and Individual certificate, which can be downloaded from [www.supertekglassware.com](http://www.supertekglassware.com) Individual certificate is provided with the product. Batch certificate can also be provided with the product on request at extra cost.

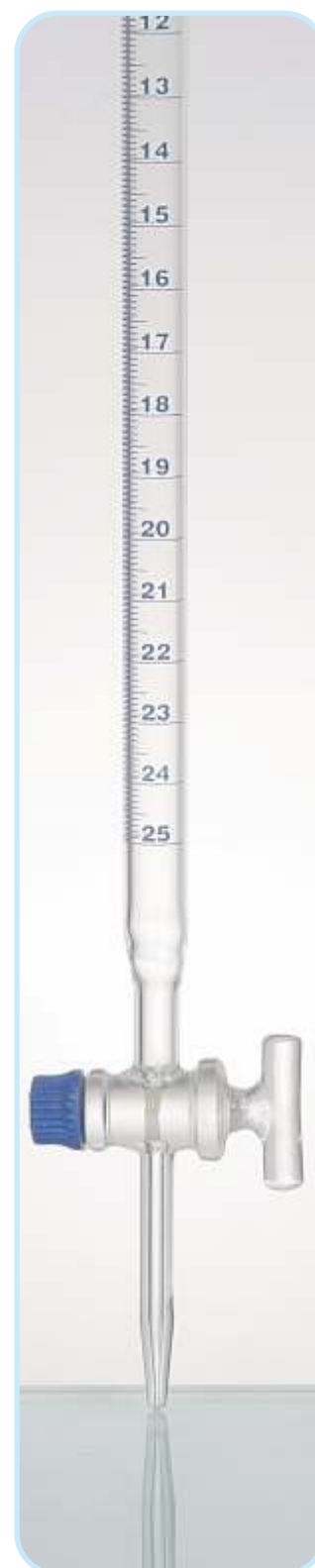
Supertek brand burettes are graduated in blue. A class burettes have a waiting period of 30 seconds, B Class burettes don't have any waiting period.

Supertek brand burettes come with four different types of stopcocks; Glass Stopcock, PTFE Needle valve Stopcock, PTFE Key stopcock and Detachable Stopcock.

## Burette With Straight Bore Moulded Screw Thread Glass Stopcock, Class A

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class A of ISO 385
- \* Generally used in Titration process
- \* Designed with straight bore stopcock that increases the life, compared to PTFE key stopcocks
- \* The glass stopcock enhances control and enables smoother action
- \* Printed in blue
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Pack size
11.101.0001	22.101.0001	1*	0.01	0.006	1
11.101.0002	22.101.0002	2*	0.01	0.01	1
11.101.0005	22.101.0005	5*	0.02	0.01	1
11.101.0010	22.101.0010	10	0.05	0.03	1
11.101.0025	22.101.0025	25	0.1	0.05	1
11.101.0050	22.101.0050	50	0.1	0.05	1
11.101.0100	22.101.0100	100	0.2	0.1	1



### Burette With Straight Bore PTFE Key Stopcock, Class A

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class A of ISO 385
- \* Generally used in Titration process
- \* Comes with PTFE key that is highly resistant to chemical attack
- \* No need to lubricant it as PTFE key is used
- \* Printed in blue
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Pack size
11.102.0010	22.102.0010	10	0.05	0.03	1
11.102.0025	22.102.0025	25	0.1	0.05	1
11.102.0050	22.102.0050	50	0.1	0.05	1
11.102.0100	22.102.0100	100	0.2	0.1	1



Best Seller

### Burette With Screw Type, PTFE Needle Valve Stopcock (Rotaflo), Class A

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class A of ISO 385
- \* Generally used in Titration process
- \* Supplied with Rotaflo with PTFE key that is highly resistant to chemical attack
- \* No need to lubricate it as PTFE key is used.
- \* Printed in blue
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Pack size
11.103.0010	22.103.0010	10	0.05	0.03	1
11.103.0025	22.103.0025	25	0.1	0.05	1
11.103.0050	22.103.0050	50	0.1	0.05	1
11.103.0100	22.103.0100	100	0.2	0.1	1



### Burette, With PTFE Detachable Stopcock, Class A

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class A of ISO 385
- \* Generally used in Titration process
- \* Comes with PTFE key that is highly resistant to chemical attack
- \* No need to lubricant it as PTFE key is used
- \* Printed in blue
- \* [Individual certificate is supplied with each product & is also available on website](#)
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Pack size
11.104.0010	22.104.0010	10	0.05	0.03	1
11.104.0025	22.104.0025	25	0.1	0.05	1
11.104.0050	22.104.0050	50	0.1	0.05	1
11.104.0100	22.104.0100	100	0.2	0.1	1



### Burette In Schellbach Stripe With Straight Bore Moulded Screw Thread Glass Stopcock, Class A

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class A of ISO 385
- \* Generally used in Titration process
- \* Designed with straight bore stopcock that increases the life, compared to PTFE key stopcocks
- \* The glass stopcock enhances control and enables smoother action
- \* Schellbach stripe printed in blue
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Pack size
11.201.0010	22.201.0010	10	0.05	0.03	1
11.201.0025	22.201.0025	25	0.1	0.05	1
11.201.0050	22.201.0050	50	0.1	0.05	1
11.201.0100	22.201.0100	100	0.2	0.1	1



### Burette In Schellbach Stripe With Straight Bore PTFE Key Stopcock, Class A

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class A of ISO 385
- \* Generally used in Titration process
- \* Comes with PTFE key that is highly resistant to chemical attack
- \* No need to lubricant it as PTFE key is used
- \* Schellbach stripe printed in blue\*
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Pack size
11.202.0010	22.202.0010	10	0.05	0.03	1
11.202.0025	22.202.0025	25	0.1	0.05	1
11.202.0050	22.202.0050	50	0.1	0.05	1
11.202.0100	22.202.0100	100	0.2	0.1	1

### Burette In Schellbach Stripe With Screw Type PTFE Needle Valve Stopcock (Rotaflo) Class A

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class A of ISO 385
- \* Generally used in Titration process
- \* No need to lubricant it as PTFE key is used
- \* Supplied with Rotaflo with PTFE key that is highly resistant to chemical attack
- \* Schellbach stripe printed in blue\*
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Pack size
11.203.0010	22.203.0010	10	0.05	0.03	1
11.203.0025	22.203.0025	25	0.1	0.05	1
11.203.0050	22.203.0050	50	0.1	0.05	1
11.203.0100	22.203.0100	100	0.2	0.1	1



### Burette, Class B

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class B of ISO 385
- \* Generally used in Titration process
- \* Printed in blue

Glass Screw thread stopcock	PTFE Needle valve stopcock (Rotaflo)	PTFE key Stopcock	Detachable PTFE key stopcock	Capacity, ml	Sub-div., ml	Tolerance, (± ml)	Pack size
10.101.0010	10.103.0010	10.102.0010	10.104.0010	10	0.05	0.05	1*
10.101.0025	10.103.0025	10.102.0025	10.104.0025	25	0.1	0.1	1*
10.101.0050	10.103.0050	10.102.0050	10.104.0050	50	0.1	0.1	1*
10.101.0100	10.103.0100	10.102.0100	10.104.0100	100	0.2	0.2	1

\* Rotaflo burettes have a pack size of 10.

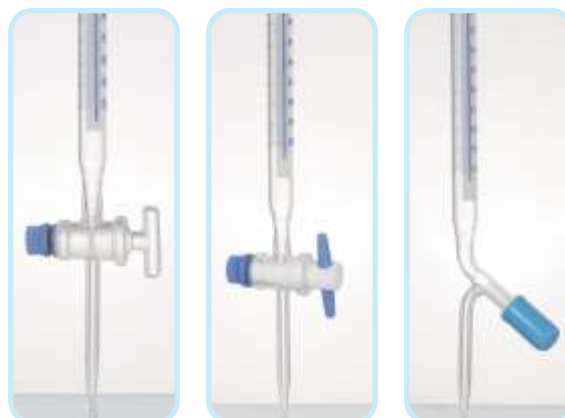


### Burette Schellbach, Class B

- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class B of ISO 385
- \* Generally used in Titration process
- \* Schellbach stripe printed in blue

Glass Screw thread Stopcock	PTFE Needle Valve Stopcock (rotaflo)	PTFE key Stopcock	Capacity, ml	Sub-div., ml	Tolerance, (± ml)	Pack size
10.201.0010	10.203.0010	10.202.0010	10	0.05	0.05	1*
10.201.0025	10.203.0025	10.202.0025	25	0.1	0.1	1*
10.201.0050	10.203.0050	10.202.0050	50	0.1	0.1	1*
10.201.0100	10.203.0100	10.202.0100	100	0.2	0.2	1

\* Rotaflo burettes have a pack size of 10.





### Burette Class B

- \* Economy Model
- \* Calibrated at 20°C
- \* The volume content tolerances conform to Class B of ISO 385
- \* Generally used in Titration process
- \* Printed in blue

Straight-bore Glass Stopcock Burette	Pinch Clip Burette	Capacity, ml	Sub-div.,	Tolerance, (± ml)	Pack size
10.105.0010	10.106.0010	10	0.05	0.05	5*
10.105.0025	10.106.0025	25	0.1	0.1	5*
10.105.0050	10.106.0050	50	0.1	0.1	5*
10.105.0100	10.106.0100	100	0.2	0.2	5*

\* Pinch Clip burettes have a pack size of 10.



### Automatic Zero Burette

- \* Complies with Class 'A' DIN ISO 385 Standard.
- \* Mounted On A Reservoir With Stopcock And Rubber Bellow.
- \* With automatic zero facility
- \* Burettes manufactured from chemically resistant 3.3 borosilicate glass

With Intermediate stopcock PTFE key and Needle Valve Stopcock	Without intermediate stopcock	Capacity, ml	Sub-div.,	Tolerance, ± mL	Pack size
22.107.0010	22.108.0010	10	0.05	0.03	1
22.107.0025	22.108.0025	25	0.1	0.05	1
22.107.0050	22.108.0050	50	0.1	0.05	1
22.107.0100	22.108.0100	100	0.2	0.1	1



### Automatic Zero Burette, Class A With Schellbach Stripe

- \* Complies with Class 'A' DIN ISO 385 Standard
- \* Mounted On A Reservoir With Stopcock And Rubber Bellow.
- \* With automatic zero facility
- \* Burettes manufactured from chemically resistant 3.3 borosilicate glass

With intermediate Stopcock PTFE Key and Needle Valve Stopcock	Without Intermediate Stopcock	Capacity, ml	Sub-div.,	Tolerance, (± ml)	Pack size
22.207.0010	22.208.0010	10	0.05	0.03	1
22.207.0025	22.208.0025	25	0.1	0.05	1
22.207.0050	22.208.0050	50	0.1	0.05	1
22.207.0100	22.208.0100	100	0.2	0.1	1



**supertek**  
Lab Accessories



For more details log on to [www.shivsons.com](http://www.shivsons.com) or ask for our Chemistry and Lab Supplies catalogue.



# Pipettes

www.supertekglassware.com

Supertek brand pipettes are manufactured from Low-expansion Boro 3.3 glass in conformance with ASTM E-438 TYPE 1 CLASS A glass and DIN ISO 3585, unless otherwise specified.

These pipettes are manufactured in accordance to DIN ISO 835 standard for Graduated pipettes and DIN ISO 648 standard for Volumetric pipettes.

All pipettes are screen printed in durable amber color which fuses into the glass. Each product is color coded to facilitate easy identification.

These Pipettes are made from specially selected accurate bore glass tubing, have precision formed jets, bevel ground ends to resist chipping. Mouth piece of pipettes is also tooled for easy sucking and cotton plugging.

Each Pipette Calibrated is to deliver (Ex, TD) at +20 °C reference temperature. The calibration also takes into account surface adhesion effects.

All A class pipettes have a waiting period of 5 seconds. Pipettes are available with conformity batch certificates and Individual certificate, which can be downloaded from [www.supertekglassware.com](http://www.supertekglassware.com) Individual certificate is provided with the product. Batch certificate can also be provided with the product on request at extra cost.

## Pipette Volumetric With One Mark, Bulb Type, Class A

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 648 Class A
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Color Code	Pack size
11.301.0001	22.301.0001	1	0.008	Blue	10
11.301.0002	22.301.0002	2	0.01	Orange	10
11.301.0005	22.301.0005	5	0.015	White	5
11.301.0010	22.301.0010	10	0.02	Red	5
11.301.0020	22.301.0020	20	0.03	Yellow	5
11.301.0025	22.301.0025	25	0.03	Blue	5
11.301.0050	22.301.0050	50	0.05	Red	5
11.301.0100	22.301.0100	100	0.08	Yellow	2

## Pipette Volumetric With One Mark, Bulb Type, Class B

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 648 Class A
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

	Capacity, ml	Tolerance, ± ml	Color Code	Pack size
10.301.0001	1	0.015	Blue	10
10.301.0002	2	0.02	Orange	10
10.301.0005	5	0.03	White	5
10.301.0010	10	0.04	Red	5
10.301.0020	20	0.06	Yellow	5
10.301.0025	25	0.06	Blue	5
10.301.0050	50	0.1	Red	5
10.301.0100	100	0.15	Yellow	2



### Pipette Graduated, Mohr Type, Color Coded, Class A

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 835 Class A
- \* These pipettes are graduated for delivery from zero mark to the last graduation mark.
- \* Sturdy, designed to last long usage
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Color Code	Pack size
11.302.0101	22.302.0101	0.1	0.01	0.006	White	10
11.302.0102	22.302.0102	0.2	0.01	0.006	Black	10
11.302.0001	22.302.0001	1	0.01	0.007	Yellow	10
11.302.0011	22.302.0011	1	0.1	0.007	Red	10
11.302.0002	22.302.0002	2	0.02	0.01	Black	10
11.302.0022	22.302.0022	2	0.1	0.01	Green	10
11.302.0005	22.302.0005	5	0.05	0.03	Red	10
11.302.0055	22.302.0055	5	0.1	0.03	Blue	10
11.302.0010	22.302.0010	10	0.1	0.05	Orange	10
11.302.0020	22.302.0020	20	0.2	0.1	Yellow	10
11.302.0025	22.302.0025	25	0.2	0.1	Green	10

### Pipette Graduated Serological, Color Coded, Class A

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 835 Class A
- \* These pipettes are graduated to the tip
- \* Sturdy, designed to last long usage
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Color Code	Pack size
11.303.0101	22.303.0101	0.1	0.01	0.006	White	10
11.303.0102	22.303.0102	0.2	0.01	0.006	Black	10
11.303.0001	22.303.0001	1	0.01	0.007	Yellow	10
11.303.0011	22.303.0011	1	0.1	0.007	Red	10
11.303.0002	22.303.0002	2	0.02	0.01	Black	10
11.303.0022	22.303.0022	2	0.1	0.01	Green	10
11.303.0005	22.303.0005	5	0.05	0.03	Red	10
11.303.0055	22.303.0055	5	0.1	0.03	Blue	10
11.303.0010	22.303.0010	10	0.1	0.05	Orange	10
11.303.0020	22.303.0020	20	0.2	0.1	Yellow	10
11.303.0025	22.303.0025	25	0.2	0.1	Green	10

### Pipette Graduated, Color Coded, Class B

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 835
- \* Sturdy, designed to last long usage
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

Mohr type	Serological	Capacity, ml	Sub-div., ml	Tolerance, ±ml	Color Code	Pack size
10.302.0101	10.303.0101	0.1	0.01	0.01	White	10
10.302.0102	10.303.0102	0.2	0.01	0.01	Blue	10
10.302.0001	10.303.0001	1	0.01	0.01	Yellow	10
10.302.0011	10.303.0011	1	0.1	0.01	Red	10
10.302.0002	10.303.0002	2	0.02	0.02	Black	10
10.302.0022	10.303.0022	2	0.1	0.02	Green	10
10.302.0005	10.303.0005	5	0.05	0.05	Red	10
10.302.0055	10.303.0055	5	0.1	0.05	Blue	10
10.302.0010	10.303.0010	10	0.1	0.1	Orange	10
10.302.0020	10.303.0020	20	0.2	0.2	Yellow	10
10.302.0025	10.303.0025	25	0.2	0.2	Green	10



# Volumetric Flasks

[www.supertekglassware.com](http://www.supertekglassware.com)

Supertek brand Volumetric Flasks are made from Low-expansion Boro 3.3 glass in conformance with ASTM E-438 TYPE 1 CLASS A glass and DIN ISO 3585 Standard. These flasks are calibrated on state of the art fully automatic Calibration machine.

This Flasks are manufactured in accordance to DIN ISO 1042 standard. All flasks are calibrated to contain (TC/In) at a +20 °C reference temperature. Total volume is marked with a circular graduation mark.

Flasks have a tooled neck suitable for standard ground stoppers. These are available with Polypropylene and Glass stoppers.

All "A" Class flasks are printed in amber color and "B" class in blue color. Available in Clear Glass and Amber Glass, these flasks have uniform thickness and accurate bore tubing used in the neck.

Volumetric Flasks are available with conformity batch certificates and Individual certificate, which can be downloaded from [www.supertekglassware.com](http://www.supertekglassware.com). Individual certificate is provided with the product. Batch certificate can also be provided with the product on request at extra cost.

## Flask Volumetric, With Snap Cap, Class A

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 1042 Class A
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Amber enamel inscriptions
- \* **Batch certificate is available on our website**
- \* **A calibration certificate is provided with each Individual certified product & same is available on our website**

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Pack size
11.401.0050	22.401.0050	50	0.06	2
11.401.0100	22.401.0100	100	0.1	2
11.401.0200	22.401.0200	200	0.15	2
11.401.0250	22.401.0250	250	0.15	2
11.401.0500	22.401.0500	500	0.25	2
11.401.1000	22.401.1000	1000	0.4	2



### Flask Volumetric With Polypropylene Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 1042 Class A
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Amber enamel inscriptions
- \* Batch certificate is available on our website
- \* A calibration certificate is provided with each Individual certified product & same is available on our website

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Stopper Size	Pack size
11.402.0005	22.402.0005	5	0.025	10/19	6
11.402.0010	22.402.0010	10	0.025	10/19	6
11.402.0020	22.402.0020	20	0.04	10/19	2
11.402.0025	22.402.0025	25	0.04	10/19	2
11.402.0050	22.402.0050	50	0.06	12/21	2
11.402.0100	22.402.0100	100	0.1	14/23	2
11.402.0200	22.402.0200	200	0.15	14/23	2
11.402.0250	22.402.0250	250	0.15	14/23	2
11.402.0500	22.402.0500	500	0.25	19/26	2
11.402.1000	22.402.1000	1000	0.4	24/29	2
11.402.2000	22.402.2000	2000	0.6	29/32	1
11.402.5000	22.402.5000	5000	1.2	34/35	1



### Flask Volumetric, With Interchangeable Glass Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 1042 Class A
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Amber enamel inscriptions
- \* Batch certificate is available on our website
- \* A calibration certificate is provided with each Individual certified product & same is available on our website

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Stopper Size	Pack size
11.403.0005	22.403.0005	5	0.025	10/19	6
11.403.0010	22.403.0010	10	0.025	10/19	6
11.403.0020	22.403.0020	20	0.04	10/19	2
11.403.0025	22.403.0025	25	0.04	10/19	2
11.403.0050	22.403.0050	50	0.06	12/21	2
11.403.0100	22.403.0100	100	0.1	14/23	2
11.403.0200	22.403.0200	200	0.15	14/23	2
11.403.0250	22.403.0250	250	0.15	14/23	2
11.403.0500	22.403.0500	500	0.25	19/26	2
11.403.1000	22.403.1000	1000	0.4	24/29	2
11.403.2000	22.403.2000	2000	0.6	29/32	1
11.403.5000	22.403.5000	5000	1.2	34/35	1

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Durable  
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Retrace  
Code

DIN ISO  
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### Flask Volumetric, Amber Glass With Polypropylene Stopper Class A

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 1042 Class A
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* White enamel inscriptions
- \* Batch certificate is available on our website
- \* A calibration certificate is provided with each Individual certified product & same is available on our website

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Stopper Size	Pack size
11.404.0005	22.404.0005	5	0.025	10/19	6
11.404.0010	22.404.0010	10	0.025	10/19	6
11.404.0020	22.404.0020	20	0.04	10/19	2
11.404.0025	22.404.0025	25	0.04	10/19	2
11.404.0050	22.404.0050	50	0.06	12/21	2
11.404.0100	22.404.0100	100	0.1	14/23	2
11.404.0200	22.404.0200	200	0.15	14/23	2
11.404.0250	22.404.0250	250	0.15	14/23	2
11.404.0500	22.404.0500	500	0.25	19/26	2
11.404.1000	22.404.1000	1000	0.4	24/29	2
11.404.2000	22.404.2000	2000	0.6	29/32	1



### Flask Volumetric, Amber Glass With Interchangeable Glass Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 1042 Class A
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* White enamel inscriptions
- \* Batch certificate is available on our website
- \* A calibration certificate is provided with each Individual certified product & same is available on our website

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Stopper Size	Pack size
11.405.0005	22.405.0005	5	0.025	10/19	6
11.405.0010	22.405.0010	10	0.025	10/19	6
11.405.0020	22.405.0020	20	0.04	10/19	2
11.405.0025	22.405.0025	25	0.04	10/19	2
11.405.0050	22.405.0050	50	0.06	12/21	2
11.405.0100	22.405.0100	100	0.1	14/23	2
11.405.0200	22.405.0200	200	0.15	14/23	2
11.405.0250	22.405.0250	250	0.15	14/23	2
11.405.0500	22.405.0500	500	0.25	19/26	2
11.405.1000	22.405.1000	1000	0.4	24/29	2
11.405.2000	22.405.2000	2000	0.6	29/32	1

ISO  
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Dish Washer  
Durable  
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Code

DIN ISO  
1042

### Flask Volumetric, Clear Glass Class B

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 1042
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in blue color

Snap Cap	Polypropylene Stopper	interchangeable glass stopper	Capacity, ml	Tolerance, ± ml	Stopper Size	Pack size
	10.402.0005	10.403.0005	5	0.05	10/19	6
	10.402.0010	10.403.0010	10	0.05	10/19	6
	10.402.0020	10.403.0020	20	0.08	10/19	2
	10.402.0025	10.403.0025	25	0.08	10/19	2
10.401.0050	10.402.0050	10.403.0050	50	0.12	12/21	2
10.401.0100	10.402.0100	10.403.0100	100	0.2	14/23	2
10.401.0200	10.402.0200	10.403.0200	200	0.3	14/23	2
10.401.0250	10.402.0250	10.403.0250	250	0.3	14/23	2
10.401.0500	10.402.0500	10.403.0500	500	0.5	19/26	2
10.401.1000	10.402.1000	10.403.1000	1000	0.8	24/29	2
	10.402.2000	10.403.2000	2000	1.2	29/32	1
	10.402.5000	10.403.5000	5000	2.4	34/35	1



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### Flask Volumetric, Amber Glass, Class B

- \* Calibrated at 20°C
- \* Complies with ISO / DIN 1042
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* White enamel inscriptions

Polythene Stopper	With Glass Stopper	Capacity, ml	Tolerance, ± ml	Stopper Size	Pack size
10.404.0005	10.405.0005	5	0.05	10/19	6
10.404.0010	10.405.0010	10	0.05	10/19	6
10.404.0020	10.405.0020	20	0.08	10/19	2
10.404.0025	10.405.0025	25	0.08	10/19	2
10.404.0050	10.405.0050	50	0.12	12/21	2
10.404.0100	10.405.0100	100	0.2	14/23	2
10.404.0200	10.405.0200	200	0.3	14/23	2
10.404.0250	10.405.0250	250	0.3	14/23	2
10.404.0500	10.405.0500	500	0.5	19/26	2
10.404.1000	10.405.1000	1000	0.8	24/29	2
10.404.2000	10.405.2000	2000	1.2	29/32	1



### Flasks, Wide Mouth Volumetric With Interchangeable PP Stopper, Class A, With Batch Certificate

- \* Complies with ISO / DIN 1042
- \* Calibration at 20°C
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Specially designed wide mouth for testing bigger dia. Tablet without making it in powder
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance ±ml	Stopper Size	Pack Size
11.410.0025	22.410.0025	25	0.06	12/21	2
11.410.0050	22.410.0050	50	0.1	14/23	2
11.410.0100	22.410.0100	100	0.15	19/26	2
11.410.0200	22.410.0200	200	0.2	19/26	2

\* Not covered in the standards

Dish Washer Durable Print      DIN ISO 1042



# Measuring Cylinders

www.supertekglassware.com

Supertek brand Cylinders are made from Low-expansion Boro 3.3 glass in conformance with ASTM E-438 TYPE 1 CLASS A glass and DIN ISO 3585 Standard. These cylinders are calibrated on state of the art fully Automatic Calibration machine.

The cylinders are printed in durable amber stain as standard, which fuses into the glass. Each cylinder is calibrated as per DIN ISO 4788 standard and is calibrated to contain (In/TC) at a +20 °C reference temperature. Cylinders with graduation marks in blue and white enamel are also available on request.

The large hexagonal base in HEX-BASE Cylinders prevent it from rolling off a laboratory bench.

Measuring Cylinders are available with conformity batch certificates and Individual certificate, which can be downloaded from [www.supertekglassware.com](http://www.supertekglassware.com). Individual certificate is provided with the product. Batch certificate can also be provided with the product on request at extra cost.

## Measuring Cylinder With Detachable Plastic Base & Protection Collar, Class A

- \* Calibrated at 20°C
- \* Complies with Class 'A' DIN ISO 4788 Standard
- \* Graduations in Amber enamel
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ml	Sub. Div. ± ml	Pack size
11.501.0005	22.501.0005	5	0.05	0.1	2
11.501.0010	22.501.0010	10	0.1	0.2	2
11.501.0025	22.501.0025	25	0.25	0.5	2
11.501.0050	22.501.0050	50	0.5	1	2
11.501.0100	22.501.0100	100	0.5	1	2
11.501.0250	22.501.0250	250	1	2	2
11.501.0500	22.501.0500	500	2.5	5	2
11.501.1000	22.501.1000	1000	5	10	1



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### Measuring Cylinder With Round Glass Base, Class A

- \* Calibrated at 20°C
- \* Complies with Class 'A' DIN ISO 4788 Standard
- \* Graduations in Amber enamel
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Sub.-Div., ml	Pack size
11.502.0005	22.502.0005	5	0.05	0.1	2
11.502.0010	22.502.0010	10	0.1	0.2	2
11.502.0025	22.502.0025	25	0.25	0.5	2
11.502.0050	22.502.0050	50	0.5	1	2
11.502.0100	22.502.0100	100	0.5	1	2
11.502.0250	22.502.0250	250	1	2	2
11.502.0500	22.502.0500	500	2.5	5	2
11.502.1000	22.502.1000	1000	5	10	2
11.502.2000	22.502.2000	2000	10	20	1

### Measuring Cylinder, With Hexagonal Glass Base, Class A

- \* Calibrated at 20°C
- \* Complies with Class 'A' DIN ISO 4788 Standard
- \* Sturdy hexagonal base prevents roll-over and ensures greater stability
- \* Graduations in Amber enamel
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Sub.-Div., ml	Pack size
11.504.0005	22.504.0005	5	0.05	0.1	2
11.504.0010	22.504.0010	10	0.1	0.2	2
11.504.0025	22.504.0025	25	0.25	0.5	2
11.504.0050	22.504.0050	50	0.5	1	2
11.504.0100	22.504.0100	100	0.5	1	2
11.504.0250	22.504.0250	250	1	2	2
11.504.0500	22.504.0500	500	2.5	5	2
11.504.1000	22.504.1000	1000	5	10	1
11.504.2000	22.504.2000	2000	10	20	1

### Measuring Cylinder Accuracy As Per Class B

- \* Calibrated at 20°C
- \* Complies With DIN ISO 4788 Standard
- \* Graduations in Amber enamel

With Plastic detachable base	Round glass base	Hexagonal base	Capacity ml	Tolerance ± ml	Sub. Div. ml	Pack size
10.501.0005	10.502.0005	10.504.0005	5	0.1	0.1	2
10.501.0010	10.502.0010	10.504.0010	10	0.2	0.2	2
10.501.0025	10.502.0025	10.504.0025	25	0.5	0.5	2
10.501.0050	10.502.0050	10.504.0050	50	1	1	2
10.501.0100	10.502.0100	10.504.0100	100	1	1	2
10.501.0250	10.502.0250	10.504.0250	250	2	2	2
10.501.0500	10.502.0500	10.504.0500	500	5	5	2
10.501.1000	10.502.1000	10.504.1000	1000	10	10	1*
10.501.2000	10.502.2000	10.504.2000	2000	20	20	1

\*Pack of 2 in case of round base



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### Measuring Cylinder, With Hexagonal Base And Interchangeable Polypropylene Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with Class 'A' DIN ISO 4788 Standard
- \* Sturdy hexagonal base prevents roll-over and ensures greater stability
- \* Plastic stopper
- \* Graduations in Amber enamel
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

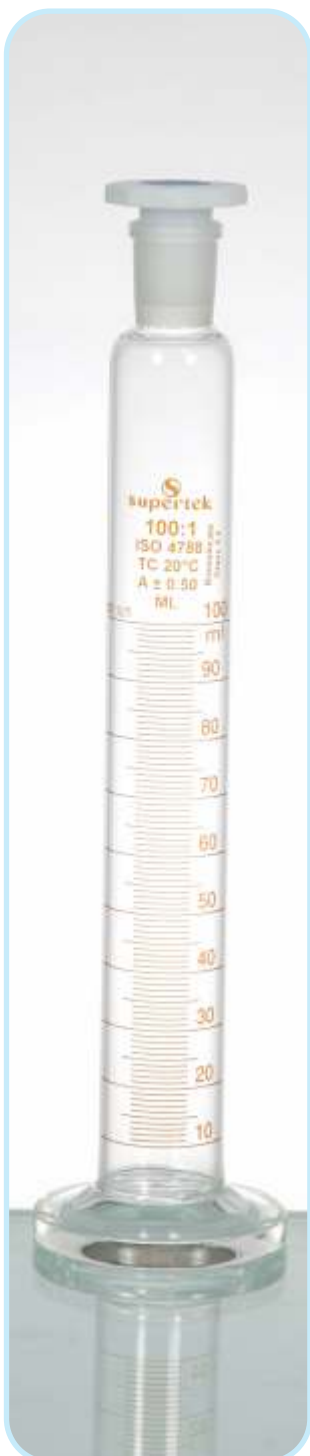
Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Sub. Div. ml	Pack size
11.505.0005	22.505.0005	5	0.05	0.1	2
11.505.0010	22.505.0010	10	0.1	0.2	2
11.505.0025	22.505.0025	25	0.25	0.5	2
11.505.0050	22.505.0050	50	0.5	1	2
11.505.0100	22.505.0100	100	0.5	1	2
11.505.0250	22.505.0250	250	1	2	2
11.505.0500	22.505.0500	500	2.5	5	2
11.505.1000	22.505.1000	1000	5	10	1
11.505.2000	22.505.2000	2000	10	20	1

### Measuring Cylinder, With Hexagonal Glass Base And Interchangeable Glass Stopper Class A

- \* Calibrated at 20°C
- \* Complies with Class 'A' DIN ISO 4788 Standard
- \* Sturdy hexagonal base prevents roll-over and ensures greater stability
- \* Solid glass stopper
- \* Graduations in Amber enamel
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Sub. Div. ml	Pack size
11.507.0005	22.507.0005	5	0.05	0.1	2
11.507.0010	22.507.0010	10	0.1	0.2	2
11.507.0025	22.507.0025	25	0.25	0.5	2
11.507.0050	22.507.0050	50	0.5	1	2
11.507.0100	22.507.0100	100	0.5	1	2
11.507.0250	22.507.0250	250	1	2	2
11.507.0500	22.507.0500	500	2.5	5	2
11.507.1000	22.507.1000	1000	5	10	1
11.507.2000	22.507.2000	2000	10	20	1

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**Measuring Cylinder, With Round Glass Base And Interchangeable Polypropylene Stopper, Class A**

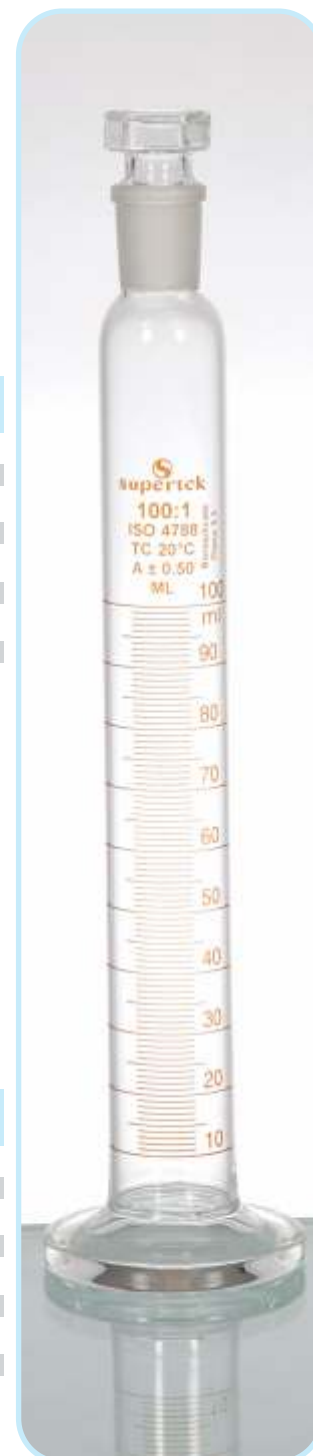
- \* Calibrated at 20°C
- \* Complies with Class 'A' DIN ISO 4788 Standard
- \* Plastic stopper
- \* Graduations in Amber enamel
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Sub.-Div. ml	Pack Size
11.503.0005	22.503.0005	5	0.05	0.1	2
11.503.0010	22.503.0010	10	0.1	0.2	2
11.503.0025	22.503.0025	25	0.25	0.5	2
11.503.0050	22.503.0050	50	0.5	1	2
11.503.0100	22.503.0100	100	0.5	1	2
11.503.0250	22.503.0250	250	1	2	2
11.503.0500	22.503.0500	500	2.5	5	2
11.503.1000	22.503.1000	1000	5	10	2
11.503.2000	22.503.2000	2000	10	20	1

**Measuring Cylinder With Round Glass Base And Interchangeable Glass Stopper, Class A**

- \* Calibrated at 20°C
- \* Complies with Class 'A' DIN ISO 4788 Standard
- \* Solid glass stopper
- \* Graduations in Amber enamel
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Sub. Div. ml	Pack Size
11.506.0005	22.506.0005	5	0.05	0.1	2
11.506.0010	22.506.0010	10	0.1	0.2	2
11.506.0025	22.506.0025	25	0.25	0.5	2
11.506.0050	22.506.0050	50	0.5	1	2
11.506.0100	22.506.0100	100	0.5	1	2
11.506.0250	22.506.0250	250	1	2	2
11.506.0500	22.506.0500	500	2.5	5	2
11.506.1000	22.506.1000	1000	5	10	2
11.506.2000	22.506.2000	2000	10	20	1



### Measuring Cylinder, With Stoppers, Class B

- \* Calibrated at 20°C
- \* Complies with DIN ISO 4788 Standard
- \* Graduations in Amber enamel

With Hex Base and PP stopper	With Hex Base and glass stopper	With Round Base and PP stopper	With Round Base and glass stopper	Capacity, ml	Tolerance, ± ml	Sub.-Div. ml	Pack Size
10.505.0005	10.507.0005	10.503.0005	10.506.0005	5	0.1	0.1	2
10.505.0010	10.507.0010	10.503.0010	10.506.0010	10	0.2	0.2	2
10.505.0025	10.507.0025	10.503.0025	10.506.0025	25	0.5	0.5	2
10.505.0050	10.507.0050	10.503.0050	10.506.0050	50	1	1	2
10.505.0100	10.507.0100	10.503.0100	10.506.0100	100	1	1	2
10.505.0250	10.507.0250	10.503.0250	10.506.0250	250	2	2	2
10.505.0500	10.507.0500	10.503.0500	10.506.0500	500	5	5	2
10.505.1000	10.507.1000	10.503.1000	10.506.1000	1000	10	10	1*
10.505.2000	10.507.2000	10.503.2000	10.506.2000	2000	20	20	1

Pack of 2 in case of round base



### Nessler Cylinder

For color comparison.

- \* Calibrated at 20°C
- \* Facilitates colour comparison of water samples
- \* Manufactured from precision bore 3.3 borosilicate tubing selected for freedom from colour or visible defects
- \* White enamel inscriptions

	Capacity, ml	Sub.-Div. ml	Tolerance, ± ml	Pack Size
11.508.0050	50	25	0.4	2
11.508.0100	100	50	0.8	2



Dish Washer  
Durable  
Print

DIN ISO  
4788



## Burettes

www.supertekglassware.com



### ASTM

Supertek offers a range of volumetric glassware in conformity with ASTM Standards, manufactured from ASTM E 438 TYPE 1 CLASS 'A' BORO 3.3 GLASS.

#### Burette, With PTFE Key Stopcock, Class A

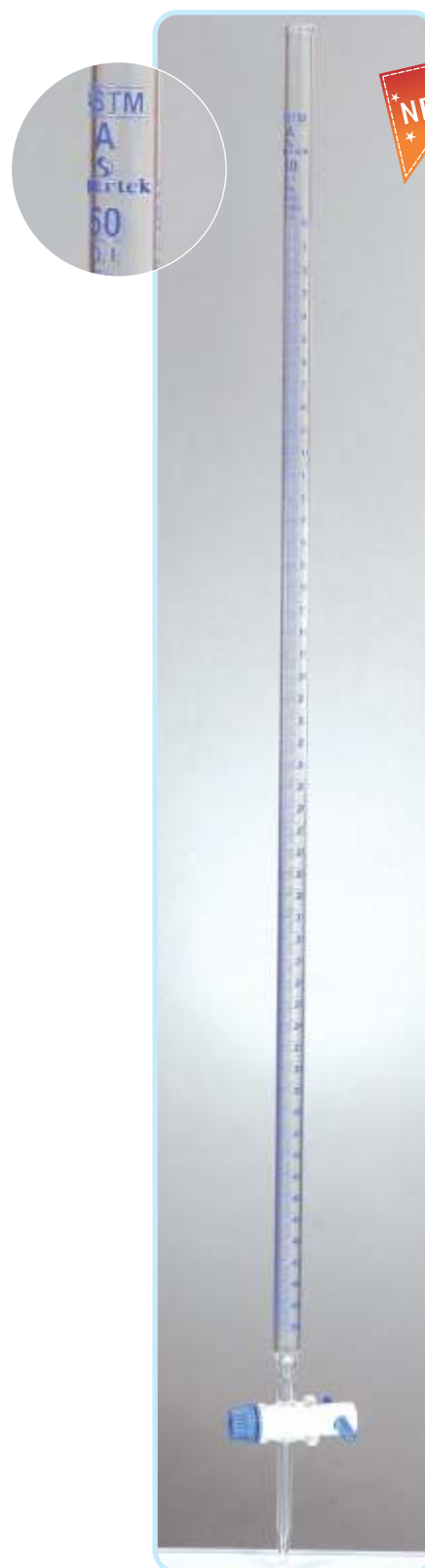
- \* Calibrated at 20°C
- \* Complies with class 'A' ASTM E 287 specifications
- \* Generally used in Titration process
- \* Comes with PTFE key that is highly resistant to chemical attack
- \* No need to lubricant it as PTFE key is used
- \* Printed in blue color
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Grad Interval, ml	Tolerance, (± ml)	Pack Size
44.102.0010	46.102.0010	10	0.05	0.02	1
44.102.0025	46.102.0025	25	0.1	0.03	1
44.102.0050	46.102.0050	50	0.1	0.05	1
44.102.0100	46.102.0100	100	0.2	0.1	1

#### Burette, With PTFE Key Stopcock, Class B

- \* Calibrated at 20°C
- \* Complies with ASTM E 287 specifications
- \* Generally used in Titration process
- \* Comes with PTFE key that is highly resistant to chemical attack
- \* No need to lubricant it as PTFE key is used
- \* Printed in blue color

	Capacity, ml	Sub-div ml	Tolerance, (± ml)	Pack Size
48.102.0010	10	0.05	0.04	1
48.102.0025	25	0.1	0.06	1
48.102.0050	50	0.1	0.1	1



# Pipettes

www.supertekglassware.com

## Pipette Volumetric, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 969 specification
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Color coding band	Pack Size
44.301.0000	46.301.0000	0.5	0.006	2 BLACK	10
44.301.0001	46.301.0001	1	0.006	BLUE	10
44.301.0002	46.301.0002	2	0.006	ORANGE	10
44.301.0003	46.301.0003	3	0.01	BLACK	10
44.301.0004	46.301.0004	4	0.01	2 RED	5
44.301.0005	46.301.0005	5	0.01	WHITE	5
44.301.0006	46.301.0006	6	0.01	2 ORANGE	5
44.301.0007	46.301.0007	7	0.01	2 GREEN	5
44.301.0008	46.301.0008	8	0.02	BLUE	5
44.301.0009	46.301.0009	9	0.02	BLACK	5
44.301.0010	46.301.0010	10	0.02	RED	5
44.301.0015	46.301.0015	15	0.03	GREEN	5
44.301.0020	46.301.0020	20	0.03	YELLOW	5
44.301.0025	46.301.0025	25	0.03	BLUE	5
44.301.0030	46.301.0030	30	0.03	BLACK	5
44.301.0040	46.301.0040	40	0.05	WHITE	5
44.301.0050	46.301.0050	50	0.05	RED	5
44.301.0100	46.301.0100	100	0.08	YELLOW	1

## Pipette, Volumetric Class B

- \* Calibrated at 20°C
- \* Complies with ASTM 969 specification
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

	Capacity, ml	Tolerance, (± ml)	Color coding band	Pack Size
48.301.0000	0.5	0.012	2 BLACK	10
48.301.0001	1	0.012	BLUE	10
48.301.0002	2	0.012	ORANGE	10
48.301.0003	3	0.02	BLACK	10
48.301.0004	4	0.02	2 RED	5
48.301.0005	5	0.02	WHITE	5
48.301.0006	6	0.03	2 ORANGE	5
48.301.0007	7	0.03	2 GREEN	5
48.301.0008	8	0.04	BLUE	5
48.301.0009	9	0.04	BLACK	5
48.301.0010	10	0.04	RED	5
48.301.0015	15	0.06	GREEN	5
48.301.0020	20	0.06	YELLOW	5
48.301.0025	25	0.06	BLUE	5
48.301.0030	30	0.06	BLACK	5
48.301.0040	40	0.1	WHITE	5
48.301.0050	50	0.1	RED	5
48.301.0100	100	0.16	YELLOW	1





### Graduated Pipettes (Mohr), Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 1293 specifications
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* These pipettes are graduated for delivery from zero mark to the last graduation mark
- \* Sturdy, designed to last long usage
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div. ml	Tolerance, (± ml)	Color coding band	Pack Size
44.302.0005	46.302.0005	0.1	0.01	0.0025	WHITE	10
44.302.0010	46.302.0010	0.2	0.01	0.004	BLACK	10
44.302.0015	46.302.0015	1	0.1	0.01	RED	10
44.302.0020	46.302.0020	1	0.01	0.01	YELLOW	10
44.302.0025	46.302.0025	2	0.1	0.01	GREEN	10
44.302.0030	46.302.0030	5	0.1	0.02	BLUE	10
44.302.0035	46.302.0035	10	0.1	0.03	ORANGE	10
44.302.0040	46.302.0040	25	0.1	0.05	WHITE	10

### Graduated Pipettes (Mohr), Class B

- \* Calibrated at 20°C
- \* Complies with ASTM 1293 specifications
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* These pipettes are graduated for delivery from zero mark to the last graduation mark
- \* Sturdy, designed to last long usage
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

	Capacity, ml	Sub-div. ml	Tolerance, (± ml)	Color coding band	Pack Size
48.302.0005	0.1	0.01	0.005	WHITE	10
48.302.0010	0.2	0.01	0.008	BLACK	10
48.302.0015	1	0.1	0.02	RED	10
48.302.0020	1	0.01	0.02	YELLOW	10
48.302.0025	2	0.1	0.02	GREEN	10
48.302.0030	5	0.1	0.04	BLUE	10
48.302.0035	10	0.1	0.06	ORANGE	10
48.302.0040	25	0.1	0.1	WHITE	10



NEW



### Graduated Pipette, Serological, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 1044 specifications
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* These pipettes are graduated to the tip
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div. ml	Tolerance, (± ml)	Color coding band	Pack Size
44.303.0005	46.303.0005	0.1	0.01	0.0025	WHITE	10
44.303.0010	46.303.0010	0.2	0.01	0.004	BLACK	10
44.303.0015	46.303.0015	1	0.1	0.01	RED	10
44.303.0020	46.303.0020	1	0.01	0.01	YELLOW	10
44.303.0025	46.303.0025	2	0.1	0.01	GREEN	10
44.303.0030	46.303.0030	5	0.1	0.02	BLUE	10
44.303.0035	46.303.0035	10	0.1	0.03	ORANGE	10
44.303.0040	46.303.0040	25	0.1	0.05	WHITE	10

### Graduated Pipette (Serological), Class B

- \* Calibrated at 20°C
- \* Complies with ASTM 1044 specifications
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* These pipettes are graduated to the tip
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability

	Capacity, ml	Sub-div. ml	Tolerance, (± ml)	Color coding band	Pack Size
48.303.0005	0.1	0.01	0.005	WHITE	10
48.303.0010	0.2	0.01	0.008	BLACK	10
48.303.0015	1	0.1	0.02	RED	10
48.303.0020	1	0.01	0.02	YELLOW	10
48.303.0025	2	0.1	0.02	GREEN	10
48.303.0030	5	0.1	0.04	BLUE	10
48.303.0035	10	0.1	0.06	ORANGE	10
48.303.0040	25	0.1	0.1	WHITE	10

NEW







# Volumetric Flasks

www.supertekglassware.com



## Volumetric Flask, With Snap Cap, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* **Batch certificate is available on our website**
- \* **A calibration certificate is provided with each Individual certified product & same is available on our website**

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Pack Size
44.401.0050	46.401.0050	50	0.05	2
44.401.0100	46.401.0100	100	0.08	2
44.401.0200	46.401.0200	200	0.10	2
44.401.0250	46.401.0250	250	0.12	2
44.401.0500	46.401.0500	500	0.20	2
44.401.1000	46.401.1000	1000	0.30	2
44.401.2000	46.401.2000	2000	0.50	1



## Volumetric Flask, With Polypropylene Stopper Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* **Batch certificate is available on our website**
- \* **A calibration certificate is provided with each Individual certified product & same is available on our website**

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.402.0005	46.402.0005	1	0.01	8	6
44.402.0010	46.402.0010	2	0.015	8	6
44.402.0015	46.402.0015	5	0.02	9	6
44.402.0025	46.402.0025	10	0.02	9	6
44.402.0035	46.402.0035	20	0.03	9	2
44.402.0045	46.402.0045	25	0.03	9	2
44.402.0055	46.402.0055	50	0.05	9	2
44.402.0065	46.402.0065	100	0.08	13	2
44.402.0075	46.402.0075	200	0.10	16	2
44.402.0085	46.402.0085	250	0.12	16	2
44.402.0095	46.402.0095	500	0.20	19	2
44.402.0100	46.402.0100	1000	0.30	22	2
44.402.0105	46.402.0105	2000	0.50	27	1
44.402.0110	46.402.0110	4000	1.20	38	1


 ASTM

### Volumetric Flask With PTFE Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* **Batch certificate is available on our website**
- \* **A calibration certificate is provided with each Individual certified product & same is available on our website**

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.410.0005	46.410.0005	1	0.01	8	6
44.410.0010	46.410.0010	2	0.015	8	6
44.410.0015	46.410.0015	5	0.02	9	6
44.410.0025	46.410.0025	10	0.02	9	6
44.410.0035	46.410.0035	20	0.03	9	2
44.410.0045	46.410.0045	25	0.03	9	2
44.410.0055	46.410.0055	50	0.05	9	2
44.410.0065	46.410.0065	100	0.08	13	2
44.410.0075	46.410.0075	200	0.10	16	2
44.410.0085	46.410.0085	250	0.12	16	2
44.410.0095	46.410.0095	500	0.20	19	2
44.410.0100	46.410.0100	1000	0.30	22	2
44.410.0105	46.410.0105	2000	0.50	27	1
44.410.0110	46.410.0110	4000	1.20	38	1



### Amber Volumetric Flask, With Penny Head Glass Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* **Batch certificate is available on our website**
- \* **A calibration certificate is provided with each Individual certified product & same is available on our website**

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.412.0005	46.412.0005	1	0.01	8	6
44.412.0010	46.412.0010	2	0.015	8	6
44.412.0015	46.412.0015	5	0.02	9	6
44.412.0025	46.412.0025	10	0.02	9	6
44.412.0035	46.412.0035	20	0.03	9	2
44.412.0045	46.412.0045	25	0.03	9	2
44.412.0055	46.412.0055	50	0.05	9	2
44.412.0065	46.412.0065	100	0.08	13	2
44.412.0075	46.412.0075	200	0.10	16	2
44.412.0085	46.412.0085	250	0.12	16	2
44.412.0095	46.412.0095	500	0.20	19	2
44.412.0100	46.412.0100	1000	0.30	22	2
44.412.0105	46.412.0105	2000	0.50	27	1



### Amber Volumetric Flask, With PTFE Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* Batch certificate is available on our website
- \* A calibration certificate is provided with each Individual certified product & same is available on our website



Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.414.0005	46.414.0005	1	0.01	8	6
44.414.0010	46.414.0010	2	0.015	8	6
44.414.0015	46.414.0015	5	0.02	9	6
44.414.0025	46.414.0025	10	0.02	9	6
44.414.0035	46.414.0035	20	0.03	9	2
44.414.0045	46.414.0045	25	0.03	9	2
44.414.0055	46.414.0055	50	0.05	9	2
44.414.0065	46.414.0065	100	0.08	13	2
44.414.0075	46.414.0075	200	0.10	16	2
44.414.0085	46.414.0085	250	0.12	16	2
44.414.0095	46.414.0095	500	0.20	19	2
44.414.0100	46.414.0100	1000	0.30	22	2
44.414.0105	46.414.0105	2000	0.50	27	1



## supertek

# Filter Papers



For more details log on to [www.shivsons.com](http://www.shivsons.com)



### Volumetric Flask-ASTM, Wide Mouth Heavy Duty, With PP Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* **Batch certificate is available on our website**
- \* **A calibration certificate is provided with each Individual certified product & same is available on our website**

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.420.0005	46.420.0005	5	0.02	13	1
44.420.0010	46.420.0010	10	0.02	13	1
44.420.0020	46.420.0020	20	0.04	13	1
44.420.0025	46.420.0025	25	0.03	13	1
44.420.0030	46.420.0030	30	0.03	13	1
44.420.0050A	46.420.0050A	50	0.05	13	1
44.420.0050B	46.420.0050B	50	0.05	19	1
44.420.0100	46.420.0100	100	0.08	16	1
44.420.0150	46.420.0150	150	0.08	16	1
44.420.0200	46.420.0200	200	0.1	19	1
44.420.0250	46.420.0250	250	0.12	19	1
44.420.0300	46.420.0300	300	0.12	19	1
44.420.0400	46.420.0400	400	0.2	19	1
44.420.0500	46.420.0500	500	0.2	19	1
44.420.0750	46.420.0750	750	0.2	22	1
44.420.0900	46.420.0900	900	0.3	22	1
44.420.1000	46.420.1000	1000	0.3	22	1
44.420.1500	46.420.1500	1500	0.3	27	1
44.420.2000	46.420.2000	2000	0.5	27	1
44.420.4000	46.420.4000	4000	1	38	1





**Volumetric Flask-ASTM, Wide Mouth Heavy Duty, With Glass Stopper, Class A**

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.424.0005	46.424.0005	5	0.02	13	1
44.424.0010	46.424.0010	10	0.02	13	1
44.424.0020	46.424.0020	20	0.04	13	1
44.424.0025	46.424.0025	25	0.03	13	1
44.424.0030	46.424.0030	30	0.03	13	1
44.424.0050A	46.424.0050A	50	0.05	13	1
44.424.0050B	46.424.0050B	50	0.05	19	1
44.424.0100	46.424.0100	100	0.08	16	1
44.424.0150	46.424.0150	150	0.08	16	1
44.424.0200	46.424.0200	200	0.1	19	1
44.424.0250	46.424.0250	250	0.12	19	1
44.424.0300	46.424.0300	300	0.12	19	1
44.424.0400	46.424.0400	400	0.2	19	1
44.424.0500	46.424.0500	500	0.2	19	1
44.424.0750	46.424.0750	750	0.2	22	1
44.424.0900	46.424.0900	900	0.3	22	1
44.424.1000	46.424.1000	1000	0.3	22	1
44.424.1500	46.424.1500	1500	0.3	27	1
44.424.2000	46.424.2000	2000	0.5	27	1
44.424.4000	46.424.4000	4000	1	38	1



### Volumetric Flask-ASTM Amber, Wide Mouth Heavy Duty, With PP Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.430.0005	46.430.0005	5	0.02	13	1
44.430.0010	46.430.0010	10	0.02	13	1
44.430.0020	46.430.0020	20	0.04	13	1
44.430.0025	46.430.0025	25	0.03	13	1
44.430.0050	46.430.0050	50	0.05	13	1
44.430.0100	46.430.0100	100	0.08	16	1
44.430.0200	46.430.0200	200	0.1	19	1
44.430.0250	46.430.0250	250	0.12	19	1
44.430.0400	46.430.0400	400	0.2	19	1
44.430.0500	46.430.0500	500	0.2	19	1
44.430.0700	46.430.0700	750	0.2	22	1
44.430.0900	46.430.0900	900	0.3	22	1
44.430.1000	46.430.1000	1000	0.3	22	1
44.430.2000	46.430.2000	2000	0.5	27	1




### Volumetric Flask-ASTM Amber, Wide Mouth Heavy Duty, With Glass Stopper, Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.434.0005	46.434.0005	5	0.02	13	1
44.434.0010	46.434.0010	10	0.02	13	1
44.434.0020	46.434.0020	20	0.04	13	1
44.434.0025	46.434.0025	25	0.03	13	1
44.434.0050	46.434.0050	50	0.05	13	1
44.434.0100	46.434.0100	100	0.08	16	1
44.434.0200	46.434.0200	200	0.1	19	1
44.434.0250	46.434.0250	250	0.12	19	1
44.434.0400	46.434.0400	400	0.2	19	1
44.434.0500	46.434.0500	500	0.2	19	1
44.434.0700	46.434.0700	750	0.2	22	1
44.434.0900	46.434.0900	900	0.3	22	1
44.434.1000	46.434.1000	1000	0.3	22	1
44.434.2000	46.434.2000	2000	0.5	27	1



**Volumetric Flask-ASTM, Wide Mouth Heavy Duty, With PTFE Stopper, Class A**

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Batch certificate is available on our website
- \* A calibration certificate is provided with each Individual certified product & same is available on our website

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.428.0005	46.428.0005	5	0.02	13	1
44.428.0010	46.428.0010	10	0.02	13	1
44.428.0020	46.428.0020	20	0.04	13	1
44.428.0025	46.428.0025	25	0.03	13	1
44.428.0030	46.428.0030	30	0.03	13	1
44.428.0050A	46.428.0050A	50	0.05	13	1
44.428.0050B	46.428.0050B	50	0.05	19	1
44.428.0100	46.428.0100	100	0.08	16	1
44.428.0150	46.428.0150	150	0.08	16	1
44.428.0200	46.428.0200	200	0.1	19	1
44.428.0250	46.428.0250	250	0.12	19	1
44.428.0300	46.428.0300	300	0.12	19	1
44.428.0400	46.428.0400	400	0.2	19	1
44.428.0500	46.428.0500	500	0.2	19	1
44.428.0750	46.428.0750	750	0.2	22	1
44.428.0900	46.428.0900	900	0.3	22	1
44.428.1000	46.428.1000	1000	0.3	22	1
44.428.1500	46.428.1500	1500	0.3	27	1
44.428.2000	46.428.2000	2000	0.5	27	1



**Volumetric Flask-ASTM Amber, Wide Mouth Heavy Duty, With PTFE Stopper, Class A**

- \* Calibrated at 20°C
- \* Complies with ASTM E 288 specifications
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* Batch certificate is available on our website
- \* A calibration certificate is provided with each Individual certified product & same is available on our website

Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, (± ml)	Stopper size	Pack Size
44.438.0005	46.438.0005	5	0.02	13	1
44.438.0010	46.438.0010	10	0.02	13	1
44.438.0020	46.438.0020	20	0.04	13	1
44.438.0025	46.438.0025	25	0.03	13	1
44.438.0050	46.438.0050	50	0.05	13	1
44.438.0100	46.438.0100	100	0.08	16	1
44.438.0200	46.438.0200	200	0.1	19	1
44.438.0250	46.438.0250	250	0.12	19	1
44.438.0400	46.438.0400	400	0.2	19	1
44.438.0500	46.438.0500	500	0.2	19	1
44.438.0700	46.438.0700	750	0.2	22	1
44.438.0900	46.438.0900	900	0.3	22	1
44.438.1000	46.438.1000	1000	0.3	22	1
44.438.2000	46.438.2000	2000	0.5	27	1







# Measuring Cylinders

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## Measuring Cylinder Graduated, Hex Base, TC Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 1272 specifications
- \* Calibrated to contain (TC, IN)
- \* With bumper guard
- \* Sturdy hexagonal base prevents roll-over and ensures greater stability
- \* With double metric scale, printed in white color

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance (± ml)	Pack Size
44.504.0010	46.504.0010	10	0.2	0.1	2
44.504.0025	46.504.0025	25	0.5	0.17	2
44.504.0050	46.504.0050	50	1	0.25	2
44.504.0100	46.504.0100	100	1	0.5	2
44.504.0250	46.504.0250	250	2	1	2
44.504.0500	46.504.0500	500	5	2	2
44.504.1000	46.504.1000	1000	10	3	1
44.504.2000	46.504.2000	2000	20	6	1

## Measuring Cylinder Graduated, Hex Base, TD Class A

- \* Calibrated at 20°C
- \* Complies with ASTM E 1272 specifications
- \* Calibrated to deliver (TD, Ex)
- \* With Bumper guard
- \* Sturdy hexagonal base prevents roll-over and ensures greater stability
- \* With double metric scale, printed in white color

Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, (± ml)	Pack Size
44.510.0010	46.510.0010	10	0.2	0.1	2
44.510.0025	46.510.0025	25	0.5	0.17	2
44.510.0050	46.510.0050	50	1	0.25	2
44.510.0100	46.510.0100	100	1	0.5	2
44.510.0250	46.510.0250	250	2	1	2
44.510.0500	46.510.0500	500	5	2	2
44.510.1000	46.510.1000	1000	10	3	1
44.510.2000	46.510.2000	2000	20	6	1



### Measuring Cylinder Graduated, Hex Base, TC Class B

- \* Calibrated at 20°C
- \* Complies with ASTM E 1272 specifications
- \* Calibrated to contain (TC, IN)
- \* With bumper guard
- \* Sturdy hexagonal base prevents roll-over and ensures greater stability
- \* With double metric scale, printed in white color

	Capacity, ml	Sub-div., ml	Tolerance, (± ml)	Pack Size
48.504.0010	10	0.2	0.2	2
48.504.0025	25	0.5	0.34	2
48.504.0050	50	1	0.50	2
48.504.0100	100	1	1	2
48.504.0250	250	2	2	2
48.504.0500	500	5	4	2
48.504.1000	1000	10	6	1
48.504.2000	2000	20	12	1

### Measuring Cylinder Graduated, Hex Base, TD Class B

- \* Calibrated at 20°C
- \* Complies with ASTM E 1272 specifications
- \* Calibrated to delivery (TD, Ex)
- \* With bumper guard
- \* Sturdy hexagonal base prevents roll-over and ensures greater stability
- \* With double metric scale, printed in white color

	Capacity, ml	Sub-div., (ml)	Tolerance, (± ml)	Pack Size
48.510.0010	10	0.2	0.2	2
48.510.0025	25	0.5	0.34	2
48.510.0050	50	1	0.50	2
48.510.0100	100	1	1	2
48.510.0250	250	2	2	2
48.510.0500	500	5	4	2
48.510.1000	1000	10	6	1
48.510.2000	2000	20	12	1





## USP

Companies producing pharmaceutical products for the USA market are supervised by Food and Drug Administration (FDA) and have to meet the requirements of the USP (United States Pharmacopeia). The USP standard has some deviation from DIN/ISO standards and covers following products

- \* Volumetric Pipettes
- \* Measuring Pipettes
- \* Measuring Cylinder
- \* Volumetric Flasks

**Supertek** brand USP glassware has tolerances as mentioned in USP requirement, however may not meet all detailed in constructions as mentioned in USP requirement. All Supertek USP glassware comes with a permanent identification number and individual conformity certificate, which is provided with the apparatus. These are manufactured from ASTM E-438 TYPE 1 CLASS A BORO 3.3 GLASS.

### Volumetric Pipettes One Mark ,class A

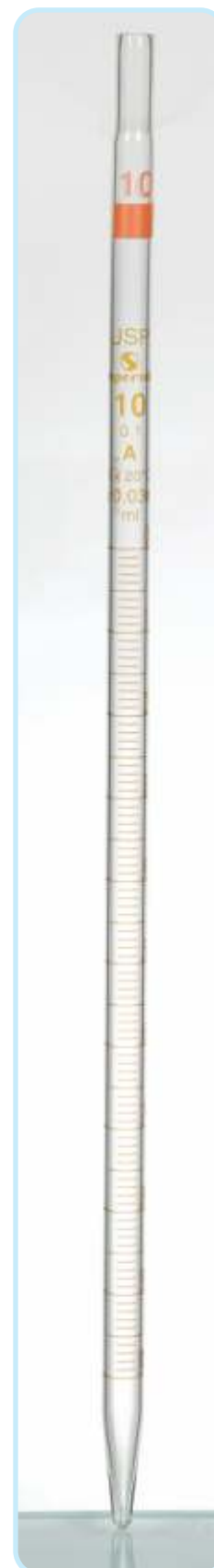
- \* Calibrated at 20°C
- \* Complies with USP Standard
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- \* Printed in amber color
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Individual Certificate	Capacity, ml	Color code	Tolerance, (+ml)	Pack Size
50.301.0000	0.5	2 BLACK	0.006	10
50.301.0001	1	BLUE	0.006	10
50.301.0002	2	ORANGE	0.006	10
50.301.0003	3	BLACK	0.01	10
50.301.0004	4	2 RED	0.01	5
50.301.0005	5	WHITE	0.01	5
50.301.0006	6	2 ORANGE	0.01	5
50.301.0007	7	2 GREEN	0.01	5
50.301.0008	8	BLUE	0.02	5
50.301.0009	9	BLACK	0.02	5
50.301.0010	10	RED	0.02	5
50.301.0015	15	GREEN	0.03	5
50.301.0020	20	YELLOW	0.03	5
50.301.0025	25	BLUE	0.03	5
50.301.0030	30	BLACK	0.03	5
50.301.0040	40	WHITE	0.05	5
50.301.0050	50	RED	0.05	5
50.301.0100	100	YELLOW	0.08	2

### Graduated Pipettes Serological, Class A, Type 3

- \* Calibrated at 20°C
- \* Complies with USP Standard
- \* Calibrated for delivery (TD, Ex)
- \* Generally used for accurate measurement and decanting of liquid
- \* Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- \* Printed in amber color
- \* [Batch certificate is available on our website](#)
- \* [A calibration certificate is provided with each Individual certified product & same is available on our website](#)

Individual Certificate	Capacity, ml	Color code	Tolerance, (+ml)	Pack Size
50.303.0005	0.1	WHITE	0.01	10
50.303.0010	0.2	BLACK	0.01	10
50.303.0015	1	YELLOW	0.01	10
50.303.0020	2	BLACK	0.01	10
50.303.0025	5	RED	0.02	10
50.303.0030	10	ORANGE	0.03	10
50.303.0035	25	WHITE	0.05	10





**Volumetric Flask Clear Glass, With Polypropylene Stopper, Class A**

- \* Calibrated at 20°C
- \* Complies with USP Standard
- \* Calibrated to contain (TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* A calibration certificate is provided with each Individual certified product & same is available on our website

Individual Certificate	Capacity, ml	Socket size	Tolerance, (+ml)	Pack Size
50.402.0005	5	10/19	0.02	25
50.402.0010	10	10/19	0.02	25
50.402.0020	20	10/19	0.03	2
50.402.0025	25	10/19	0.03	2
50.402.0050	50	12/21	0.05	2
50.402.0100	100	14/23	0.08	2
50.402.0200	200	14/23	0.10	2
50.402.0250	250	14/23	0.12	2
50.402.0500	500	19/26	0.15	2
50.402.1000	1000	24/29	0.30	2
50.402.2000	2000	29/32	0.50	1



**Volumetric Flask Amber Glass, With Polypropylene Stopper, Class A**

- \* Calibrated at 20°C
- \* Complies with USP Standard
- \* Calibrated to contain(TC, IN)
- \* Manufactured from 3.3 borosilicate glass for corrosion-free performance
- \* Printed in white color
- \* A calibration certificate is provided with each Individual certified product & same is available on our website

Individual Certificate	Capacity, ml	Socket size	Tolerance, (+ml)	Pack Size
50.404.0005	5	10/19	0.02	25
50.404.0010	10	10/19	0.02	25
50.404.0020	20	10/19	0.03	2
50.404.0025	25	10/19	0.03	2
50.404.0050	50	12/21	0.05	2
50.404.0100	100	14/23	0.08	2
50.404.0200	200	14/23	0.10	2
50.404.0250	250	14/23	0.12	2
50.404.0500	500	19/26	0.15	2
50.404.1000	1000	24/29	0.30	2
50.404.2000	2000	29/32	0.50	1





### Measuring Cylinder With Hexagonal Base, Class A

- \* Calibrated at 20°C
- \* Complies with USP Standard
- \* Calibrated to contain (TC, IN)
- \* Sturdy hexagonal base prevents roll-over and ensures greater stability
- \* Printed in blue color
- \* *A calibration certificate is provided with each Individual certified product & same is available on our website*

Individual Certificate	Capacity, ml	Sub-div. ml	Tolerance, (+ml)	Pack Size
50.504.0010	10	0.2	0.10	2
50.504.0025	25	0.5	0.15	2
50.504.0050	50	1.0	0.25	2
50.504.0100	100	1.0	0.50	2
50.504.0250	250	2.0	1.00	2
50.504.0500	500	5.0	1.50	2
50.504.1000	1000	10.0	3.00	1
50.504.2000	2000	20.0	6.00	1

**Notes**

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# Interchangeable Glassware

# Interchangeable Glassware

www.supertekglassware.com



## Socket Single, Medium Length

Conformity to ISO 383/DIN 12249 Standards.

	Socket size	Approx. o.d. of tube, mm	Total length, mm	Pack Size
14.101.0005	7/16	10	120±10	12
14.101.0010	10/19	13	120±10	12
14.101.0015	12/21	16	120±10	12
14.101.0020	14/23	18	120±10	12
14.101.0025	19/26	22	120±15	12
14.101.0030	24/29	28	120±15	12
14.101.0035	29/32	32	120±15	12
14.101.0040	34/35	38	120±15	12
14.101.0045 *	40/38	45	120±15	12
14.101.0050	45/40	50	120±15	12
14.101.0055 *	50/42	55	120±15	12
14.101.0060 *	55/44	60	120±15	12

\*Non DIN size

## Cone Single, Medium Length

Conformity to ISO 383/DIN 12249 Standards.

	Cone size	Approx. o.d. of tube, mm	Total length, mm	Pack Size
14.104.0005	7/16	6	120±10	12
14.104.0010	10/19	8	120±10	12
14.104.0015	12/21	9	120±10	12
14.104.0020	14/23	13	120±10	12
14.104.0025	19/26	16	120±15	12
14.104.0030	24/29	22	120±15	12
14.104.0035	29/32	26	120±15	12
14.104.0040	34/35	30	120±15	12
14.104.0045 *	40/38	36	120±15	12
14.104.0050	45/40	40	120±15	12
14.104.0055 *	50/42	45	120±15	12
14.104.0060 *	55/44	50	120±15	12

\*Non DIN size



## Cone With Tip, Medium Length

Conformity to ISO 383/DIN 12249 Standards.

	Cone size	Approx. o.d. of tube, mm	Total length, mm	Pack Size
14.108.0005	7/16	6	120±10	12
14.108.0010	10/19	8	120±10	12
14.108.0015	12/21	9	120±10	12
14.108.0020	14/23	13	120±10	12
14.108.0025	19/26	16	125±10	12
14.108.0030	24/29	22	135±15	12
14.108.0035	29/32	26	135±15	12
14.108.0040	34/35	30	150±15	12
14.108.0045 *	40/38	36	135±15	12
14.108.0050	45/40	40	150±15	12
14.108.0055 *	50/42	45	150±15	12
14.108.0060 *	55/44	50	150±15	12

\*Non DIN size



ISO  
383

DIN  
12249





### Socket, Full Length Single

Conformity to ASTM E-676 Standard.

	Socket size	Approx. o.d. of tube, mm	Total length, mm	Pack Size
14.112.0005	7/25	10	120±10	12
14.112.0010	10/30	13	120±10	12
14.112.0015	12/32	16	120±10	12
14.112.0020	14/35	18	120±10	12
14.112.0025	19/38	22	125±10	12
14.112.0030	24/40	28	135±15	12
14.112.0035	29/42	32	135±15	12
14.112.0040	34/45	38	150±15	12
14.112.0045	45/50	50	150±15	12

### Cone, Full Length

Conformity to ASTM E-676 Standard.

	Cone size	Approx. o.d. of tube, mm	Total length, mm	Pack Size
14.116.0010	7/25	6	120±10	12
14.116.0015	10/30	8	120±10	12
14.116.0020	12/32	10	120±10	12
14.116.0025	14/35	13	120±10	12
14.116.0030	19/38	16	120±10	12
14.116.0035	24/40	22	150±15	12
14.116.0040	29/42	26	150±15	12
14.116.0045	34/45	30	150±15	12
14.116.0050	45/50	40	150±15	12



ISO 383

DIN 12249

### Socket, Double (One At Each End)

Conformity to ISO 383/DIN 12249 Standards.

	Socket size	Approx. o.d. of tube, mm	Total length, mm	Pack Size
14.120.0005 *	7/16	11	135±2	12
14.120.0010 *	10/19	14	135±2	12
14.120.0015	14/23	18	135±2	12
14.120.0020	19/26	22	140±2	12
14.120.0025	24/29	28	170±5	12
14.120.0030	29/32	32	170±5	12
14.120.0040	34/35	38	180±5	12

\*Non DIN size

ISO  
383**Cone, Double (One At Each End)**

Conformity to ISO 383/DIN 12249 Standards.

	Cone size	Approx. o.d. of tube, mm	Total length, mm	Pack Size
14.124.0005 *	10/19	8	90±5	12
14.124.0010	14/23	13	90±5	12
14.124.0015	19/26	16	90±5	12
14.124.0020	24/29	22	110±10	12
14.124.0025	29/32	26	110±10	12
14.124.0030	34/35	30	120±10	12

\*Non DIN size

DIN  
12264**Spherical Joint, Ball**

Conformity to DIN 12264 Standards.

	Cup joint male	Min. Shank length, mm	Pack Size
14.128.0010	S13	100	12
14.128.0015	S19	100	12
14.128.0020	S29	100	12
14.128.0025	S35	100	12

DIN  
12264**Spherical Joint, Cup**

Conformity DIN 12264 Standards.

	Cup joint female	Min. Shank length, mm	Pack Size
14.132.0005	S13	100	12
14.132.0010	S13	100	12
14.132.0015	S19	100	12
14.132.0020	S29	100	12
14.132.0025	S35	100	12



**Joint Clip, Metal**

Manufactured from corrosion resistant stainless steel metal.  
Used for retaining of spherical joints.

	To fit spherical joint size	Pack Size
14.136.0005	S13	10
14.136.0010	S19	10
14.136.0015	S29	10
14.136.0020	S35	10



**Joint Clip, PP**

Autoclavable

	To fit Conical joint size	Pack Size
14.140.0005	14/23	100
14.140.0010	19/26	100
14.140.0015	24/29	100
14.140.0020	29/32	100
14.140.0025	34/35	50



# Stoppers

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## Stopper, Hollow, Hexagonal Head

Conformity to DIN 12252 Standard.

Flat Bottom	Bottom with tip	Cone Size	Pack Size
14.201.0005	14.202.0005	10/19	12
14.201.0010	14.202.0010	12/21	12
14.201.0015	14.202.0015	14/23	12
14.201.0020	14.202.0020	19/26	12
14.201.0025	14.202.0025	24/29	12
14.201.0030	14.202.0030	29/32	12
14.201.0035	14.202.0035	34/35	12



DIN  
12252



## Stopper, Solid Penny Or Flat Head

	Cone Size	Pack Size
14.204.0005	10/19	12
14.204.0010	14/23	12
14.204.0015	19/26	12
14.204.0020	24/29	12
14.204.0025 *	29/32	12
14.204.0030 *	34/35	12

\*Non DIN size

## Solid, Penny Head Glass Stoppers

	Stopper No.	Pack Size
14.206.0005	13	12
14.206.0010	16	12
14.206.0015	19	12
14.206.0020	22	12
14.206.0025	27	12





**Polypropylene Stopper, Hexagonal. White & Blue**

Conformity to DIN 12254 Standard.

	Cone Size	Pack Size
14.208.0005	10/19	100
14.208.0010	12/21	100
14.208.0015	14/23	100
14.208.0020	19/26	100
14.208.0025	24/29	50
14.208.0030	29/32	50
14.208.0040 *	34/35	50

\*Non DIN size

**Reduction Adapter**

Conformity to DIN 12257 Standard.

	Socket size	Cone size	Pack Size
14.301.0005 *	14/23	14/23	12
14.301.0010	14/23	19/26	12
14.301.0015 *	14/23	24/29	12
14.301.0020	14/23	29/32	12
14.301.0025	19/26	24/29	12
14.301.0030	19/26	29/32	12
14.301.0035	19/26	34/35	12
14.301.0040	19/26	40/38	12
14.301.0045	19/26	45/40	12
14.301.0050	19/26	55/44	12
14.301.0055 *	24/29	29/32	12
14.301.0060 *	24/29	34/35	12
14.301.0065 *	24/29	40/38	12
14.301.0070 *	24/29	45/40	12
14.301.0075 *	24/29	50/42	12
14.301.0080 *	24/29	55/44	12
14.301.0085	29/32	34/35	12
14.301.0090	29/32	40/38	12
14.301.0095	29/32	45/40	12
14.301.0100 *	34/35	40/38	12
14.301.0105 *	34/35	45/40	12
14.301.0110 *	34/35	50/42	12

\*Non DIN size



DIN  
12257

### Expansion Adapter

Conformity to DIN 12257 Standard.

	Socket size	Cone size	Pack Size
14.304.0005	19/26	14/23	12
14.304.0010 *	24/29	14/23	12
14.304.0015 *	24/29	19/26	12
14.304.0020	29/32	14/23	12
14.304.0025	29/32	19/26	12
14.304.0030 *	29/32	24/29	12
14.304.0035 *	34/35	19/26	12
14.304.0040 *	34/35	24/29	12
14.304.0045 *	34/35	29/32	12
14.304.0050 *	40/38	24/29	12
14.304.0055 *	45/40	29/32	12

\*Non DIN size

### Bushing Adapters. With Drip Tip

	Socket size	Cone Size	Pack Size
14.308.0005	14/23	19/26	25
14.308.0010	19/26	29/32	25

DIN  
12594

### Multiple Adapter. With Two Necks Parallel

Conformity to DIN 12594.

	Socket size	Cone size	Pack Size
14.312.0005	14/23	14/23	1
14.312.0010 *	14/23	19/26	1
14.312.0015	19/26	19/26	1
14.312.0020 *	19/26	24/29	1
14.312.0025 *	24/29	24/29	1
14.312.0030 *	19/26	34/35	1
14.312.0035	29/32	29/32	1

\*Non DIN size



**Multiple Adapter, With Two Necks, One Vertical & One At 45°**

	Socket size	Cone size	Pack Size
14.316.0005	14/23	14/23	1
14.316.0010	14/23	19/26	1
14.316.0015	14/23	24/29	1
14.316.0020	19/26	19/26	1
14.316.0025	19/26	24/29	1
14.316.0030	14/23	29/32	1
14.316.0035	29/32	29/32	1

**Multiple Adapter, With Three Necks, Two Parallel & One At 45°**

	Vertical Socket size	Inclined Socket size	Cone size	Pack Size
14.320.0005	19/26	19/26	19/26	1
14.320.0010	19/26	19/26	24/29	1
14.320.0015	14/23	14/23	29/32	1
14.320.0020	19/26	19/26	29/32	1
14.320.0025	29/32	29/32	29/32	1
14.320.0030	24/29	24/29	24/29	1



**Swan Neck Adapter With Screw Thread, For Use With Thermometer Or Air Leak Tube**

	Socket size	Cone size	Pack Size
14.324.0005	14/23	19/26	1
14.324.0010	19/26	19/26	1
14.324.0015	19/26	24/29	1
14.324.0020	24/29	24/29	1
14.324.0025	29/32	29/32	1



Conical/spherical Adapter - Socket To Ball

	Socket size	Ball size	Pack Size
14.328.0005	19/26	S29	10
14.328.0010	24/29	S35	10

Conical/spherical Adapter - Cone To Cup

	Cone size	Cup Size	Pack Size
14.332.0005	19/26	S29	10
14.332.0010	24/29	S35	10



Receiver Delivery Adapter - Short Stem

	Socket size	Approx. Length, mm	Pack Size
14.336.0005	14/23	65	1
14.336.0010	19/26	65	1
14.336.0015	24/29	65	1
14.336.0020	29/32	65	1





**Receiver Delivery Adapter - Long Stem**

	Socket size	Approx. Length, mm	Pack Size
14.340.0005	14/23	190	1
14.340.0010	19/26	200	1
14.340.0015	24/29	200	1
14.340.0020	29/32	200	1

**Receiver Adapter - Straight Delivery**

	Socket size	Pack Size
14.344.0005	14/23	10
14.344.0010	19/26	10
14.344.0015	24/29	10
14.344.0020	29/32	10



**Receiver Adapter - Plain Bend**

	Socket size	Cone size	Pack Size
14.348.0005	14/23	14/23	1
14.348.0010	14/23	19/26	1
14.348.0015	19/26	19/26	1
14.348.0020	19/26	24/29	1
14.348.0025	24/29	24/29	1
14.348.0030	29/32	29/32	1



Receiver Adapter - Bend With Vent

	Socket size	Cone size	Pack Size
14.352.0005	14/23	14/23	1
14.352.0010	19/26	19/26	1
14.352.0015	19/26	24/29	1
14.352.0020	24/29	24/29	1
14.352.0025	29/32	29/32	1

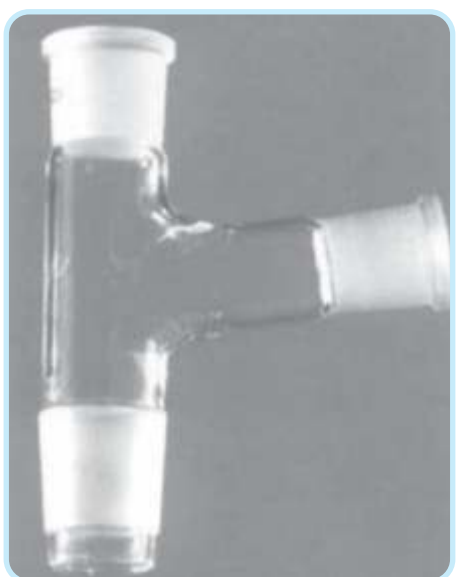


Receiver Adapter With Vacuum Connection

In conformity to DIN 12594

Bend type	Straight type	Socket size	Cone size	Pack Size
14.355.0005	14.356.0005	14/23	14/23	1
14.355.0010*	14.356.0010*	14/23	19/26	1
14.355.0015	14.356.0015	19/26	19/26	1
14.355.0020*	14.356.0020*	19/26	24/29	1
14.355.0025*	14.356.0025*	24/29	24/29	1
14.355.0030*	14.356.0030*	24/29	29/32	1
14.355.0035	14.356.0035	29/32	29/32	1

\*Non DIN



Receiver Adapter, Socket To Cone, With Vertical Socket

	Socket size	Cone size	Pack Size
14.360.0005	14/23	14/23	1
14.360.0010	19/26	19/26	1
14.360.0015	19/26	24/29	1
14.360.0020	24/29	24/29	1
14.360.0025	29/32	29/32	1

**Receiver Adapter, With Multiple Connection**

	Socket Size	Cone Size	Pack Size
14.364.0005	14/23	14/23	1
14.364.0010	14/23	19/26	1
14.364.0015	19/26	19/26	1



**Recovery Bend, Sloping**

	Cone Size to fit flask	Cone Size to fit condenser	Pack Size
14.368.0005	14/23	14/23	1
14.368.0010	24/29	14/23	1
14.368.0015	19/26	19/26	1
14.368.0020	24/29	19/26	1
14.368.0025	29/32	19/26	1
14.368.0030	29/32	29/32	1
14.368.0035	24/29	24/29	1
14.368.0040	34/35	24/29	1
14.368.0045	29/32	24/29	1
14.368.0050	34/35	34/35	1

**Recovery Bend, Vertical**

	Cone Size to fit flask	Cone Size to fit condenser	Pack Size
14.372.0005	14/23	14/23	1
14.372.0010	19/26	19/26	1
14.372.0015	24/29	19/26	1
14.372.0020	24/29	24/29	1
14.372.0025	29/32	29/32	1



### Still Head, Plain With Thermometer Socket

	Socket Size	Cone Size to fit flask	Cone Size to fit condenser	Pack Size
14.376.0005	14/23	14/23	14/23	1
14.376.0010	14/23	19/26	19/26	1
14.376.0015	14/23	24/23	19/26	1
14.376.0020	14/23	29/32	19/26	1
14.376.0025	14/23	34/35	19/26	1
14.376.0030	14/23	24/29	24/29	1
14.376.0035	14/23	34/35	24/29	1
14.376.0040	14/23	29/32	24/29	1
14.376.0045	14/23	29/32	29/32	1
14.376.0050	14/23	34/35	29/32	1



### Claisen Head, Sloping, With Two 14/23 Sockets

	Socket Size	Cone Size to fit flask	Cone Size to fit condenser	Pack Size
14.380.0005	14/23	14/23	14/23	1
14.380.0010	14/23	19/26	19/26	1
14.380.0015	14/23	24/29	19/26	1
14.380.0020	14/23	24/29	24/29	1
14.380.0025	14/23	29/32	29/32	1
14.380.0030	14/23	34/35	24/29	1



### Splash Head Adapter, Pear Shape, Straight

	Socket to fit flask	Cone to fit condenser	Pack Size
14.384.0005	14/23	14/23	1
14.384.0010	19/26	24/29	1
14.384.0015	29/32	29/32	1


**Splash Head, Pear Shape, Vertical**

	Cone to fit flask	Cone to fit condenser	Pack Size
14.388.0005	14/23	14/23	1
14.388.0010	19/26	19/26	1
14.388.0015	24/29	19/26	1
14.388.0020	24/29	24/29	1
14.388.0025	29/32	29/32	1

**Splash Head, Pear Shape, Sloping**

	Cone to fit flask	Cone to fit condenser	Pack Size
14.392.0005	14/23	14/23	1
14.392.0010	19/26	19/26	1
14.392.0015	24/29	19/26	1
14.392.0020	24/29	24/29	1
14.392.0025	29/32	29/32	1


**Steam Distillation Head, Sloping**

	Cone to fit flask	Cone to fit condenser	Pack Size
14.396.0005	24/29	19/26	1
14.396.0010	34/35	19/26	1
14.396.0015	34/35	24/29	1



Adapter, Cone To Flexible Tubing Right Angle Connection With Screw Thread

STRAIGHT <b>B</b>	RIGHT ANGLE <b>A</b>	Socket	Pack Size
14.399.0005	14.400.0005	14/23	1
14.399.0010	14.400.0010	19/26	1
14.399.0015	14.400.0015	24/29	1
14.399.0020	14.400.0020	29/32	1

Adapter, Cone To Flexible Tubing, Straight Connection With Glass Stopcock

	Cone	Pack Size
14.404.0005	14/23	1
14.404.0010	19/26	1
14.404.0015	24/29	1
14.404.0020	29/32	1

(Also available with PTFE key & Needle Valve stopcock on request. Please ask for Prices)



Adapter, Cone To Flexible Tubing, Right Angle Connection With Glass Stopcock

	Cone	Pack Size
14.408.0005	14/23	1
14.408.0010	19/26	1
14.408.0015	24/29	1
14.408.0020	29/32	1

(Also available with PTFE key & Needle Valve stopcock on request. Please ask for Prices)



**Adapter, Socket To Flexible Tubing, Straight Connection With Glass Stopcock**

	Socket	Pack Size
14.412.0005	14/23	1
14.412.0010	19/26	1
14.412.0015	24/29	1
14.412.0020	29/32	1

(Also available with PTFE key & Needle Valve stopcock on Request. Please ask for Prices)



**Adapter, Socket To Flexible Tubing, Right Angle Connection With Glass Stopcock**

	Socket	Pack Size
14.416.0005	14/23	1
14.416.0010	19/26	1
14.416.0015	24/29	1
14.416.0020	29/32	1

(Also available with PTFE key & Needle Valve stopcock on Request. Please ask for Prices)

**Adapter, Cone With Stem To Flexible Tubing Right Angle Connection**

	Socket	Pack Size
14.420.0005	14/23	1
14.420.0010	19/26	1
14.420.0015	24/29	1
14.420.0020	29/32	1



### Adapter, Socket To Flexible Tubing Straight Connection

	Socket Size	Pack Size
14.424.0005	14/23	1
14.424.0010	19/26	1
14.424.0015	24/29	1
14.424.0020	29/32	1



### Adapter, Socket To Cone With Side Arm And Screw Thread

	Socket size	Cone size	Pack Size
14.428.0005	14/23	14/23	1
14.428.0010	14/23	19/26	1
14.428.0015	14/23	24/29	1
14.428.0020	14/23	29/32	1
14.428.0025	19/26	19/26	1
14.428.0030	19/26	24/29	1
14.428.0035	19/26	29/32	1
14.428.0040	24/29	24/29	1
14.428.0045	24/29	29/32	1
14.428.0050	29/32	29/32	1



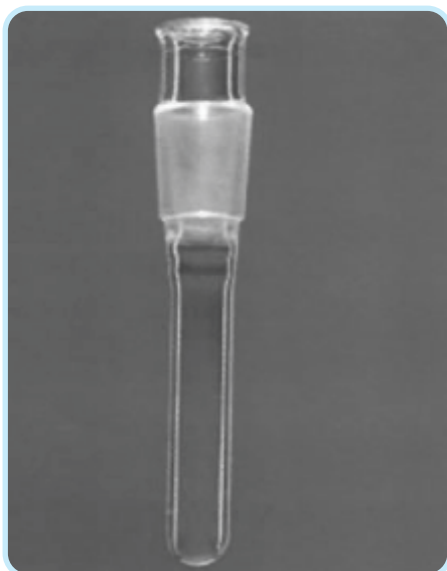
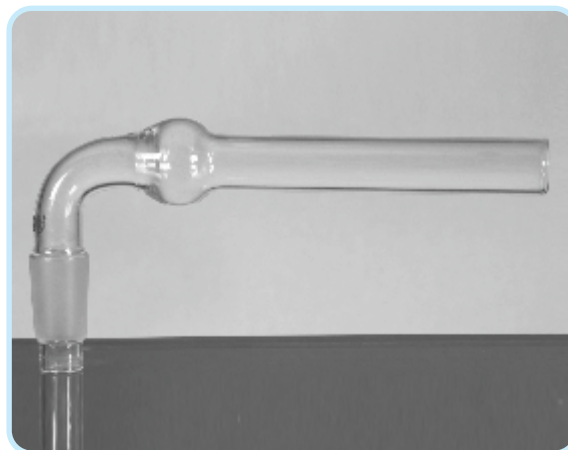
### U Tube With Two Sockets

	Socket Size	Pack Size
14.432.0005	14/23	10
14.432.0010	19/26	10



### Drying Tube

	Cone Size	Pack Size
14.436.0005	14/23	10
14.436.0010	19/26	10
14.436.0015	24/29	10
14.436.0020	29/32	10



### Thermometer Pocket

	Cone Size	Approx Stem Length, mm	Pack Size
14.440.0005	14/23	45	10
14.440.0010	19/26	45	10

### Air Leak Tube/Gas Inlet Tube

	Cone Size	Pack Size
14.444.0005	14/23	10
14.444.0010	19/26	10
14.444.0015	24/29	10
14.444.0020	29/32	10



### Adapter Cone Screw Thread

	To fit stirrer	Cone Size	Pack Size
14.448.0005	6 mm	14/23	10
14.448.0010	6 mm	19/26	10
14.448.0015	6 mm	24/29	10
14.448.0020	6 mm	29/32	10



NEW

### Plastic Hose Connection

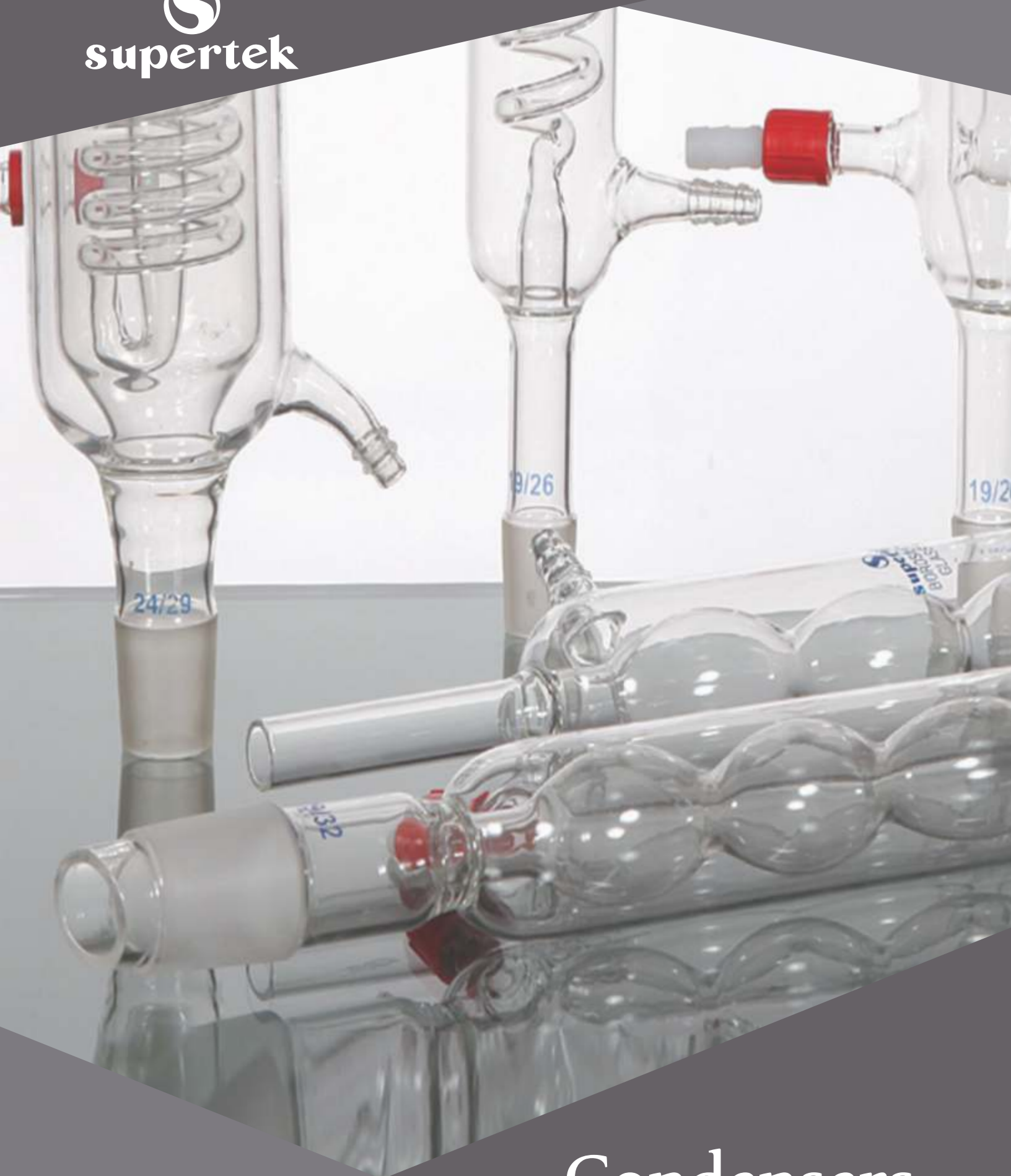
	Thread GL	Type	Pack Size
14.452.01	14	Straight	100

### Screw Thread Cap

	Thread GL	Type	Pack Size
14.454.01	14	Straight	100

NEW





# Condensers

www.supertekglassware.com

Supertek brand condensers are manufactured from low-expansion Boro 3.3 Glass as per ASTM E-438 Type-1 standard and DIN ISO 3585. These condensers have a standard taper joint with drip tip.

A condenser is used to facilitate the cooling of hot vapors and liquids. It consists of a bigger glass tube, containing a smaller glass tube running through its length. Hot liquids pass through this smaller glass tube.

Usually, the outer glass tube has two tube connections to aid the passing of a coolant (usually water or anti-freeze mixture). The coolant goes inside through the lower connection, while the upper connection serves as the outlet.

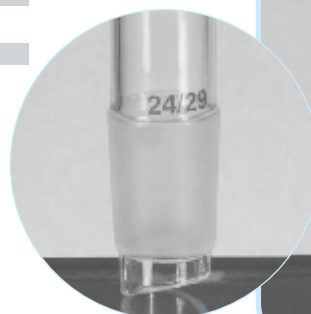
Multiple condensers may be connected in a series.

**NOTE :** All condensers can be supplied with different joint sizes as per requirement

Supertek offers you the choice of a wide range of Condensers.

## Condenser, Air

	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.101.0005	200	14/23	14/23	1
16.101.0010	200	19/26	19/26	1
16.101.0015	250	24/29	24/29	1
16.101.0020	400	19/26	19/26	1
16.101.0025	500	24/29	24/29	1
16.101.0030	500	34/35	34/35	1
16.101.0035	600	19/26	19/26	1
16.101.0040	750	24/29	24/29	1
16.101.0045	750	-	19/26	1
16.101.0050	750	-	24/29	1
16.101.0055	1000	-	19/26	1
16.101.0060	1000	-	24/29	1



Best Seller

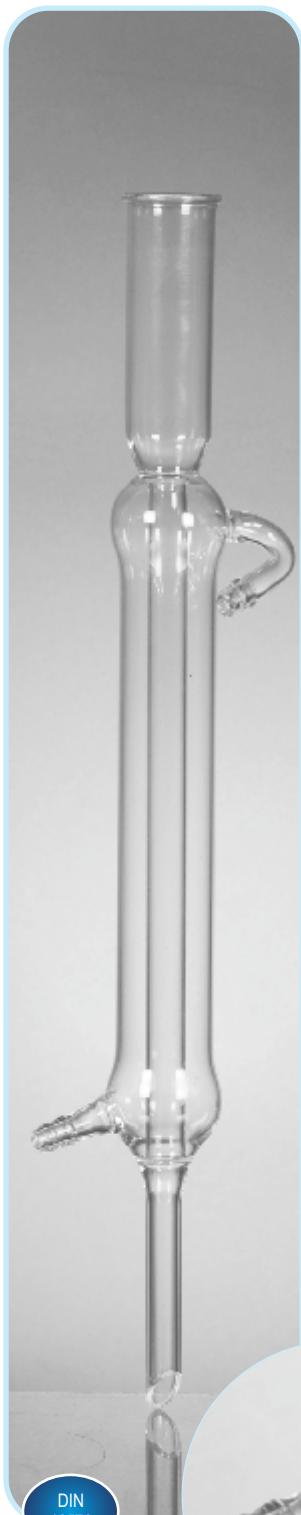
Liebig condensers have a basic fluid circulating design. It consists of an inner straight tube and an outer tube having connector for fluid inflow and outflow. Connectors can be of glass or plastic screw thread as per requirement.

### Condenser, Liebig

- \* Conformity to DIN 12576.
- \* Elementary Design
- \* Lighter wall of the inner tube facilitates effective heat transfer
- \* Designed with standard joints providing universal fitting.
- \* Available with Glass & Plastic hose connector
- \* Detachable plastic screw thread connectors provide easy and safe attachment of flexible tubing.

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.104.0005 *	16.104.5005 *	200	-	-	1
16.104.0010 *	16.104.5010 *	250	-	-	1
16.104.0015 *	16.104.5015 *	300	-	-	1
16.104.0020 *	16.104.5020 *	400	-	-	1
16.104.0025 *	16.104.5025 *	450	-	-	1
16.104.0030 *	16.104.5030 *	500	-	-	1
16.104.0035	16.104.5035	160	14/23	14/23	1
16.104.0040	16.104.5040	250	19/26	19/26	1
16.104.0045	16.104.5045	250	24/29	24/29	1
16.104.0050 *	16.104.5050 *	250	29/32	29/32	1
16.104.0055 *	16.104.5055 *	300	24/29	24/29	1
16.104.0060 *	16.104.5060 *	300	29/32	29/32	1
16.104.0075 *	16.104.5075 *	400	19/26	19/26	1
16.104.0080	16.104.5080	400	24/29	24/29	1
16.104.0085	16.104.5085	400	29/32	29/32	1

\* Non DIN sizes



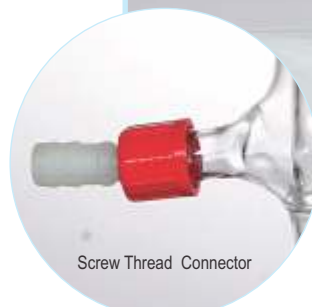
DIN 12576



Glass Connector



DIN 12576



Screw Thread Connector

CONDENSER  
Liebig



### Condenser, Coil, Graham (Coil Distillate Type) **A**

- \* The coiled condensation tubes provide greater surface area for cooling
- \* Designed with standard joints providing universal fitting.
- \* Available with Glass & Plastic hose connector
- \* Detachable plastic screw thread connectors provide easy and safe attachment of flexible tubing.

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.108.0005	16.108.5005	200	-	-	1
16.108.0010	16.108.5010	300	-	-	1
16.108.0015	16.108.5015	400	-	-	1
16.108.0020	16.108.5020	500	-	-	1
16.108.0025	16.108.5025	160	14/23	14/23	1
16.108.0030	16.108.5030	160	19/26	19/26	1
16.108.0035	16.108.5035	250	19/26	19/26	1
16.108.0040	16.108.5040	250	24/29	24/29	1
16.108.0045	16.108.5045	300	19/26	19/26	1
16.108.0050	16.108.5050	300	24/29	24/29	1
16.108.0055	16.108.5055	400	24/29	24/29	1
16.108.0060	16.108.5060	500	24/29	24/29	1
16.108.0065	16.108.5065	500	34/35	34/35	1
16.108.0070	16.108.5070	600	34/35	34/35	1

### Condenser, Coil, Graham (Jacket Distillate Type) **B**

- \* The coiled condensation tubes provide greater surface area for cooling
- \* Designed with standard joints providing universal fitting.
- \* Available with Glass & Plastic hose connector
- \* Detachable plastic screw thread connectors provide easy and safe attachment of flexible tubing.

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.112.0005	16.112.5005	200	-	-	1
16.112.0010	16.112.5010	300	-	-	1
16.112.0015	16.112.5015	400	-	-	1
16.112.0020	16.112.5020	500	-	-	1
16.112.0025	16.112.5025	160	14/23	14/23	1
16.112.0030	16.112.5030	160	19/26	19/26	1
16.112.0035	16.112.5035	250	19/26	19/26	1
16.112.0040	16.112.5040	250	24/29	24/29	1
16.112.0045	16.112.5045	300	19/26	19/26	1
16.112.0050	16.112.5050	300	24/29	24/29	1
16.112.0055	16.112.5055	400	24/29	24/29	1
16.112.0060	16.112.5060	500	24/29	24/29	1
16.112.0065	16.112.5065	500	34/35	34/35	1
16.112.0070	16.112.5070	600	34/35	34/35	1





### Condenser, Allihn (Bulb Condenser)

Conformity to DIN 12581

- \* Better surface area than the Liebig Condenser. Series of bulbs provide higher cooling capacity which is Ideal for reflux applications
- \* Designed with standard joints providing universal fitting.
- \* Available with Glass & Plastic hose connector
- \* Detachable plastic screw thread connectors provide easy and safe attachment of flexible tubing.

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.136.0005	16.136.5005	200	-	-	1
16.136.0010	16.136.5010	300	-	-	1
16.136.0015	16.136.5015	400	-	-	1
16.136.0020	16.136.5020	500	-	-	1
16.136.0025	16.136.5025	200	-	19/26	1
16.136.0030	16.136.5030	200	-	24/29	1
16.136.0035	16.136.5035	200	-	29/32	1
16.136.0040	16.136.5040	200	-	34/35	1
16.136.0045	16.136.5045	200	-	40/38	1
16.136.0050	16.136.5050	200	-	50/42	1
16.136.0055	16.136.5055	250	-	50/42	1
16.136.0060	16.136.5060	200	19/26	19/26	1
16.136.0065	16.136.5065	200	24/29	24/29	1
16.136.0070	16.136.5070	300	19/26	19/26	1
16.136.0075	16.136.5075	300	24/29	24/29	1
16.136.0080	16.136.5080	400	24/29	24/29	1
16.136.0085	16.136.5085	500	24/29	24/29	1
16.136.0090	16.136.5090	500	34/35	34/35	1
16.136.0095	16.136.5095	600	34/35	34/35	1
16.136.0100	16.136.5100	750	34/35	34/35	1



### Condenser, Coil, Reversible

- \* Designed with standard joints providing universal fitting.
- \* Available with Glass & Plastic hose connector
- \* Detachable plastic screw thread connectors provide easy and safe attachment of flexible tubing.

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.116.0005	16.116.5005	160	-	19/26 & 24/29	1
16.116.0010	16.116.5010	160	-	24/29 & 24/29	1
16.116.0015	16.116.5015	160	-	24/29 & 34/35	1





### Condenser, Double Surface, Davies

These condensers are majorly used in research laboratories. A double-surface condenser has a water jacket both on the outside and through the center of the condensing tube. It is required where the condenser liquid is very volatile. Hence for distilling ethers, alcohols, esters, aromatics, petroleum products, and essential oils these condensers are widely used.

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.124.0005	16.124.5005	200	-	-	1
16.124.0010	16.124.5010	150	19/26	19/26	1
16.124.0015	16.124.5015	150	24/29	24/29	1
16.124.0020	16.124.5020	200	19/26	19/26	1
16.124.0025	16.124.5025	200	24/29	24/29	1
16.124.0030	16.124.5030	200	29/32	29/32	1
16.124.0035	16.124.5035	200	-	19/26	1
16.124.0040	16.124.5040	200	-	24/29	1
16.124.0045	16.124.5045	200	-	34/35	1
16.124.0050	16.124.5050	250	-	19/26	1
16.124.0055	16.124.5055	250	19/26	19/26	1
16.124.0060	16.124.5060	250	24/29	24/29	1
16.124.0065	16.124.5065	300	19/26	19/26	1
16.124.0070	16.124.5070	300	24/29	24/29	1
16.124.0075	16.124.5075	400	24/29	24/29	1
16.124.0080	16.124.5080	500	24/29	24/29	1
16.124.0085	16.124.5085	500	34/35	34/35	1
16.124.0090	16.124.5090	600	34/35	34/35	1



### Condenser, Double Coil, With Common Inlet

Features a double coil design with a common water inlet  
Suitable for pilot plant work

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.120.0005	16.120.5005	200	19/26	19/26	1
16.120.0010	16.120.5010	200	24/29	24/29	1
16.120.0015	16.120.5015	350	34/35	34/35	1
16.120.0020	16.120.5020	450	34/35	34/35	1
16.120.0025	16.120.5025	600	34/35	34/35	1

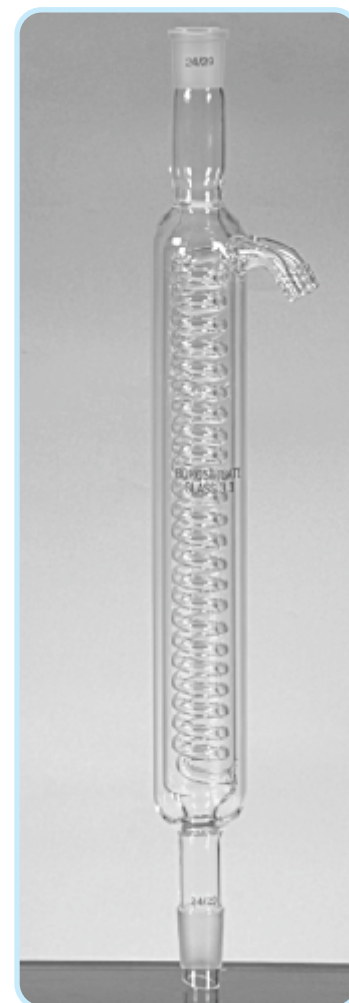




### Condenser, Jacketed Coil, Double Surface Condenser

Double surface condensers with a coil as the inner surface provides approximately twice the surface area of plain coil condensers of the same effective length.

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.128.0005	16.128.5005	160	19/26	19/26	1
16.128.0010	16.128.5010	160	24/29	24/29	1
16.128.0015	16.128.5015	160	-	34/35	1
16.128.0020	16.128.5020	160	-	40/38	1
16.128.0025	16.128.5025	200	19/26	19/26	1
16.128.0030	16.128.5030	200	24/29	24/29	1
16.128.0035	16.128.5035	300	19/26	19/26	1
16.128.0040	16.128.5040	300	24/29	24/29	1
16.128.0045	16.128.5045	400	24/29	24/29	1
16.128.0050	16.128.5050	400	34/35	34/35	1
16.128.0055	16.128.5055	500	34/35	34/35	1



### Condenser, Inland Revenue

- \* Inland Revenue Pattern
- \* Highly efficient
- \* Vapour and distillate move down through the coil
- \* Coolant water flows outside the coil

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.132.0005	16.132.5005	200	-	-	1
16.132.0010	16.132.5010	200	19/26	19/26	1
16.132.0015	16.132.5015	200	24/29	24/29	1

### Condenser, Friedrich

- \* Specially designed inner spiral tubes ensure a long vapour path
- \* Offer better heat transfer
- \* Condenser has a standard taper outer joint and a lower inner drip tip joint

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.140.0005	16.140.5005	160	19/26	19/26	1
16.140.0010	16.140.5010	200	19/26	24/29	1
16.140.0015	16.140.5015	250	19/26	24/29	1



### Condenser, Ether

Highly efficient coil condenser suitable for condensing very volatile liquids. Inner coil with large surface area. Outer water jacket to avoid vapour creep around the coil. Coil and jacket are independent and can be fed from separate water supplies for maximum efficiency.

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.144.0005	16.144.5005	160	19/26	24/29	1
16.144.0010	16.144.5010	200	19/26	24/29	1
16.144.0015	16.144.5015	250	19/26	24/29	1



### Condenser, Immersion (cold Finger)

For immersion into distillation assemblies etc.

- \* Can be used to regulate refluxing by adjusting the flow of air or water through it

Glass Connector	Screw Thread Connector	Effective Length, mm	Cone Size	Pack Size
16.148.0005	16.148.5005	100	19/26	1

### Dimroth Condenser . The Condenser Comes With Glass & Plastic Thread Condenser.

Conformity to DIN 12591

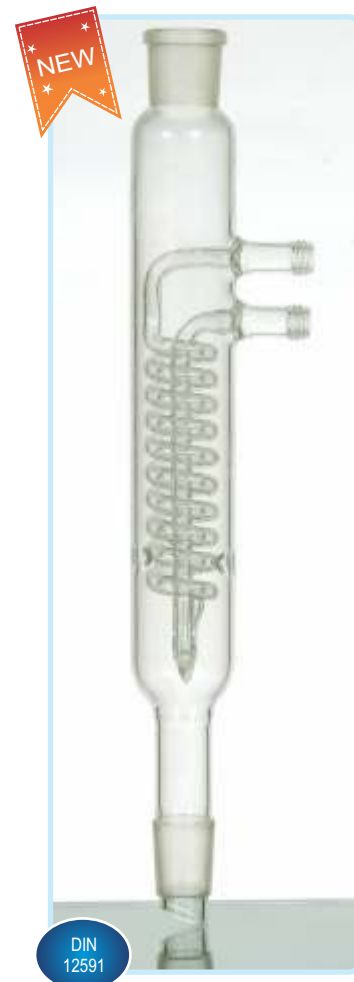
Similar to the coil condenser with advantage of having that both inlet and outlet pipes at the top.

There is an internal double spiral through which the coolant travels.

Dimroth condensers are much more effective than conventional condensers

Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.152.0005	16.152.5005	160	14/23	14/23	1
16.152.0010	16.152.5010	160	19/26	19/26	1
16.152.0015	16.152.5015	250	19/26	19/26	1
16.152.0020	16.152.5020	250	24/29	24/29	1
16.152.0025	16.152.5025	250	29/32	29/32	1
16.152.0030 *	16.152.5030 *	300	24/29	24/29	1
16.152.0035 *	16.152.5035 *	300	29/32	29/32	1
16.152.0040	16.152.5040	400	29/32	29/32	1

\* Non DIN sizes



### Soxhlet Extraction Apparatus, Consist Of Flask, Extractor And Condenser

Glass connector	Screw-Thread Connector	Condensor type	Effective Capacity, ml	Extractor socket	Extractor cone	Flask Capacity, ml	Pack Size
16.308.0005	16.308.5005	Allihin	100	45/40	29/32	250	1
16.308.0010	16.308.5010	Allihin	250	45/40	29/32	500	1
16.308.0015	16.308.5015	Allihin	500	60/46	29/32	1000	1
16.308.0020	16.308.5020	Allihin	1000	71/55	29/32	2000	1
16.308.0025	16.308.5025	Dimroth	100	45/40	29/32	250	1
16.308.0030	16.308.5030	Dimroth	250	45/40	29/32	500	1
16.308.0035	16.308.5035	Dimroth	500	60/46	29/32	1000	1
16.308.0040	16.308.5040	Dimroth	1000	71/55	29/32	2000	1

### Spare Extractor For Soxhlet Apparatus

- \* Conformity to DIN 12602
- \* Made of Borosilicate Glass
- \* Designed with a bulb in the siphon tube near the top, to aid the siphoning action
- \* The vapour tube also protects the siphon tube from accidental damage

	Effective Capacity, ml	Socket Size	Cone Size	Pack Size
16.312.0005	100	45/40	29/32	1
16.312.0010	250	45/40	29/32	1
16.312.0015	500	60/46	29/32	1
16.312.0020	1000	71/55	29/32	1

DIN 12602



### Spare Condensers For Soxlet Extraction Apparatus

#### Allihin Condensor

- \* Made of Borosilicate Glass
- \* Greater Surface area than the Liebig Condenser owing to a series of bulbs, resulting in higher cooling capacity
- \* Ideal for laboratory scale refluxing

Glass connector	Screw-Thread Connector	Effective Capacity, ml	Cone Size	Effective Length, mm	Pack Size
16.301.0005	16.301.5005	100	45/40	300	1
16.301.0010	16.301.5010	250	45/40	400	1
16.301.0015	16.301.5015	500	60/46	400	1
16.301.0020	16.301.5020	1000	71/55	400	1

#### Dimroth Condensor

Made of Borosilicate Glass

Similar to the coil condenser with advantage of having that both inlet and outlet pipes at the top. There is an internal double spiral through which the coolant travels.

Dimroth condensers are much more effective than conventional condensers

Glass connector	Screw-Thread Connector	Effective Capacity, ml	Cone Size	Effective Length, mm	Pack Size
16.304.0005	16.304.5005	100	45/40	300	1
16.304.0010	16.304.5010	250	45/40	400	1
16.304.0015	16.304.5015	500	60/46	400	1
16.304.0020	16.304.5020	1000	71/55	400	1



supertek

## Magnetic Stirrers



# Organic Chemistry Sets

www.supertekglassware.com

Various sets of glassware using interchangeable ground glass joints (sockets & cones) are so designed that the experiments may be done rapidly with a small number of components. The sets are versatile and can be easily assembled and used. All components are made from heat and chemical resistant Boro 3.3 glass as per ASTM E-438 Type-1 standard and DIN ISO 3585.

## Organic Chemistry Set Equivalent To 27 BU

A highly popular and versatile set, designed to cover the essential requirements for the teaching of organic chemistry and suitable for preparation upto 30 g. Complete set comprising 9 items of glassware, all with 14/23 joints

Pear shaped flask, 50 ml	1
Stillhead	1
Liebig Condenser	1
Screwcap adapter	1
Receiver adapter	1
Air Leak/steam inlet tube	1
Dropping funnel, 50 ml with rotaflo tap	1
Stopper	1
Thermometer	1
<b>16.401.0050</b>	



## Organic Chemistry Set Equivalent To 29 BU

The set is ideal for introducing students to the principal techniques of preparative organic chemistry. Although the set is very simple, a surprising number of preparations on the 30g scale can be carried out. Complete set comprises 5 items, all with 14/23 joints

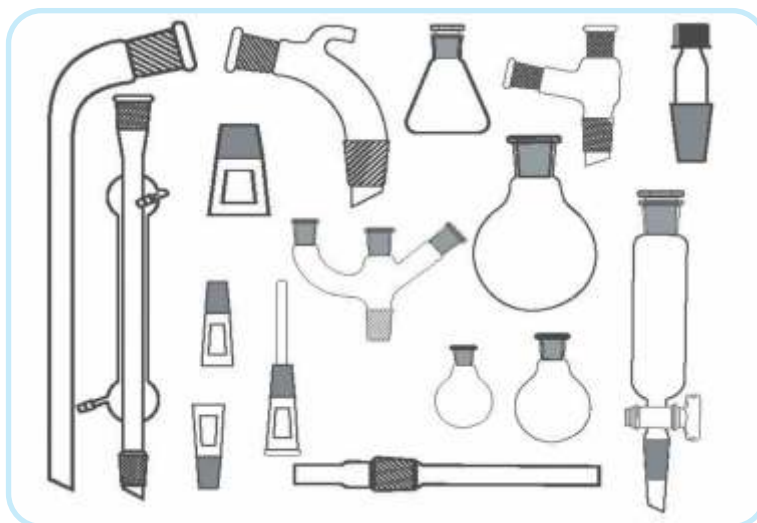
Pear shaped flask, 50 ml	1
Stillhead	1
Liebig Condenser	1
Screwcap adapter	1
Receiver adapter	1

**16.401.0025**

### Organic Chemistry Set Equivalent To 34 BU

For working up to the 150 g scale . Complete set comprising 16 items.

	Socket Size	Cone Size
Stillhead	14/23	19/26
Receiver	19/26	24/29
Air Leak/steam inlet tube	-	19/26
Liebig Condenser	19/26	19/26
Dropping Funnel, 100ml	19/26z	19/26
Reducing adapter	19/26	24/29
Multiple adapter	19/26	24/29
Flask, R.B., 50 ml	24/29	-
Flask erlenmeyer, 250 ml	24/29	-
Flask, R.B., 250 ml	24/29	-
Stopper (2 No.)	-	19/26
Thermometer pocket	-	14/23
Receiver adapter, bent	19/26	-
Flask, R.B., 100ml	24/29	-
Stopper	-	24/29



16.401.0075

Note : Other organic sets also available on request.



## supertek

### Burners



For more details log on to  
[www.shivsons.com](http://www.shivsons.com) or ask for our Chemistry and Lab Supplies catalogue.



A fractionating column is an item used in distillation of liquid mixtures to separate the mixture into its component parts, or fractions, based on the differences in volatilities.

Fractionating columns are used in small scale laboratory distillations as well as for large-scale industrial distillations.

### Fractionating Column, Vigreux

	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.201.0005	360	24/29	24/29	1
16.201.0010	600	24/29	24/29	1
16.201.0015	360	29/32	29/32	1
16.201.0020	750	34/35	34/35	1



### Fractionating Column, Dufton

	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.204.0005	160	19/26	19/26	1
16.204.0010	300	19/26	19/26	1
16.204.0015	160	24/29	24/29	1
16.204.0020	300	24/29	24/29	1



### Fractionating Column, Plain, Designed For Use With Various Types Of Column Packing

	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.208.0005	250	24/29	24/29	1
16.208.0010	500	24/29	24/29	1
16.208.0015	500	29/32	29/32	1
16.208.0020	750	24/29	24/29	1
16.208.0025	250	34/35	24/29	1
16.208.0030	500	34/35	24/29	1
16.208.0035	600	34/35	34/35	1





# General Labware

[www.supertekglassware.com](http://www.supertekglassware.com)

# General Labware

www.supertekglassware.com

Supertek brand Labware is manufactured from Low-expansion Boro 3.3 glass in conformance with ASTM E-438 TYPE 1 CLASS A glass & DIN ISO 3585. Our Labware has easy to read scale and large labeling field for easy marking in a durable white enamel. Uniform wall thickness makes these products ideal for heating applications. Printed in white as a standard, Supertek Labware are also available in blue printing, please mention the same while placing your order.

## Beaker, Low Form, With Graduation & Spout

- \* Conformity to ISO 3819/DIN 12331 Standard. Printed in white color.
- \* The spout design enables clean and precise pouring
- \* Uniform wall thickness distribution makes it ideal for heating liquids
- \* The easy-to-read scale and labeling field for marking.
- \* High resistance to chemical attack

	Capacity, ml	Pack Size
15.101.0005	5	12
15.101.0010	10	12
15.101.0025	25	10
15.101.0050	50	10
15.101.0100	100	10
15.101.0150	150	10
15.101.0250	250	10
15.101.0400	400	10
15.101.0500	500	6
15.101.0600	600	6
15.101.1000	1000	6
15.101.2000	2000	4
15.101.3000	3000	1
15.101.5000	5000	1
15.101.9910*	10000	1

\*NON-DIN



## Beaker, Tall Form, With Graduation & Spout

- \* Conformity to ISO 3819/DIN 12331 Standard. Printed in white color.
- \* The spout design enables clean and precise pouring
- \* Uniform wall thickness distribution makes it ideal for heating liquids
- \* The easy-to-read scale and labeling field for marking.
- \* High resistance to chemical attack

	Capacity, ml	Pack Size
15.104.0050	50	10
15.104.0100	100	10
15.104.0150	150	10
15.104.0250	250	10
15.104.0400	400	10
15.104.0600	600	6
15.104.0800	800	6
15.104.1000	1000	6
15.104.2000	2000	4
15.104.3000	3000	1

DIN  
12331

ISO  
3819

A  
121 °C

Dish Washer  
Durable  
Print

### Beaker, Low Form, With Double Capacity Scale

- \* Conformity to ASTM E-960 Standard. Printed in white color.
- \* The spout design enables clean and precise pouring
- \* Uniform wall thickness distribution makes it ideal for heating liquids
- \* The easy-to-read scale and labeling field for marking.
- \* High resistance to chemical attack
- \* Double graduation metric scale for convenience

	Capacity, ml	Graduation interval	Pack Size
15.105.0010	10	-	12
15.105.0020	20	10 ml	10
15.105.0030	30	10 ml	10
15.105.0050	50	10 ml	10
15.105.0100	100	10 ml	10
15.105.0150	150	20 ml	10
15.105.0250	250	25 ml	10
15.105.0400	400	25 ml	10
15.105.0600	600	50 ml	6
15.105.1000	1000	50 ml	6
15.105.2000	2000	200 ml	4
15.105.4000	4000	500 ml	1



ASTM E-960

A 121 °C



### Flask, Flat Bottom

- \* Conformity to ISO 1773 Standard. Printed in white color.
- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* Strong sturdy rim
- \* All sizes have a durable matt-finished enameled area for marking.

	Capacity, ml	Pack Size
15.108.0050	50	10
15.108.0100	100	10
15.108.0250	250	10
15.108.0500	500	10
15.108.1000	1000	6
15.108.2000	2000	6
15.108.3000	3000	1
15.108.5000	5000	1
15.108.9910	10000	1

ISO 1773

A 121 °C

Dish Washer Durable Print

### Flask Flat Bottom, Wide Neck

- \* Conformity to ISO 24450 Standard. Printed in white color.
- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* Strong sturdy rim
- \* All sizes have a durable matt-finished enameled area for marking.

	Capacity, ml	Pack Size
15.112.0050	50	10
15.112.0100	100	10
15.112.0250	250	10
15.112.0500	500	10
15.112.1000	1000	6
15.112.2000	2000	6



### Flask, Round Bottom

- \* Conformity to ISO 1773 Standard. Printed in white color.
- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* Strong sturdy rim
- \* All sizes have a durable matt-finished enameled area for marking.

	Capacity, ml	Pack Size
15.116.0050	50	10
15.116.0100	100	10
15.116.0250	250	10
15.116.0500	500	10
15.116.1000	1000	6
15.116.2000	2000	6
15.116.3000	3000	1
15.116.5000	5000	1
15.116.9910	10000	1

### Flask Support, Polypropylene

For round bottom flasks upto 10 litres, autoclavable.

CH11076



ISO  
1773

A  
121 °C

Dish Washer  
Durable  
Print



### Flask, Round Bottom, Wide Neck

- \* Conformity to ISO 24450 Standard. Printed in white color.
- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* Strong sturdy rim
- \* All sizes have a durable matt-finished enameled area for marking.

	Capacity, ml	Pack Size
15.120.0050	50	10
15.120.0100	100	10
15.120.0250	250	10
15.120.0500	500	10
15.120.1000	1000	6
15.120.2000	2000	6

### Flask, Conical (Erlenmeyer) Graduated

- \* Conformity to ISO 1773 Standard. Printed in white color.
- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* Strong sturdy rim
- \* All sizes have an easy to read scale & durable matt-finished enameled area for marking.
- \* The conical form makes them suitable for mixing liquids

	Capacity, ml	Pack Size
15.124.0025	25	10
15.124.0050	50	10
15.124.0100	100	10
15.124.0250	250	10
15.124.0500	500	10
15.124.1000	1000	6
15.124.2000	2000	6
15.124.3000	3000	1
15.124.5000	5000	1

### Flask Erlenmeyer Narrow Neck, Stopper Fit

- \* Conformity to ASTM 1404 Standard. Printed in white color.
- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* Strong sturdy rim

	Capacity, ml	Stopper Size	Pack Size
15.125.0010	10	00	10
15.125.0025	25	0	10
15.125.0050	50	1	10
15.125.0125	125	5	10
15.125.0250	250	6	10
15.125.0500	500	7	10
15.125.1000	1000	9	6
15.125.2000	2000	10	6
15.125.4000	4000	10	1
15.125.5000	5000	10	1





### Amber Color Flask, Conical (Erlenmeyer) Graduated

- \* Conformity to ISO 1773 Standard. Printed in white color.
- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* Strong sturdy rim
- \* All sizes have an easy to read scale & durable matt-finished enameled area for marking.
- \* The conical form makes them suitable for mixing liquids

Cat. No.	Capacity, ml	Pack Size
15.126.0050	50	10
15.126.0100	100	10
15.126.0250	250	10
15.126.0500	500	10
15.126.1000	1000	6
15.126.2000	2000	6

### Flask, Conical (Erlenmeyer) Graduated, Wide Neck

- \* Conformity to ISO 24450. Printed in white color.
- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* Strong sturdy rim
- \* All sizes have a durable matt-finished enameled area for marking.

	Capacity, ml	Pack Size
15.128.0025	25	10
15.128.0050	50	10
15.128.0100	100	10
15.128.0250	250	10
15.128.0500	500	10
15.128.1000	1000	6
15.128.2000	2000	6



ISO  
24450



### Flask, Kjeldahl, Long Neck

Designed for Nitrogen Determination as per Kjeldahl Method.

	Capacity, ml	Dia. mm	Approx. Height mm	Pack Size
15.132.0010	10	30	180	2
15.132.0030	30	40	180	2
15.132.0100	100	58	200	2
15.132.0300	300	81	295	2
15.132.0500	500	101	300	2
15.132.0800	800	113	375	2

Dish Washer  
Durable  
Print

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121 °C



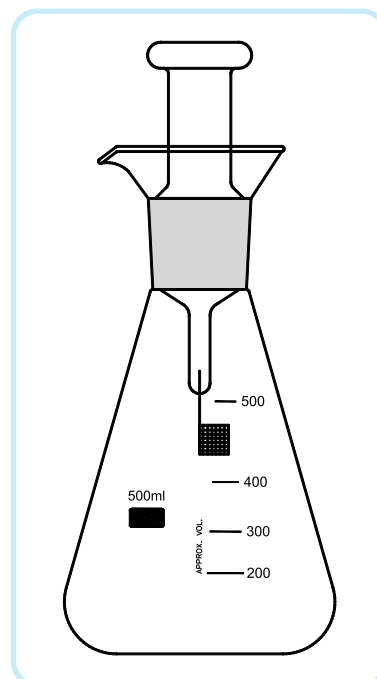
Flask, Kjeldahl, With Joint

	Capacity, ml	Socket Size	Approx Height mm	Pack Size
15.136.0005	50	19/26	200	2
15.136.0010	100	19/26	200	2
15.136.0015	100	24/29	200	2
15.136.0020	300	24/29	295	2
15.136.0025	500	24/29	300	2
15.136.0030	800	24/29	375	2

Oxygen Combustion Flasks as per USP

- \* Complies to ASTM E205 - 96
- \* Manufactured from 3.3 borosilicate, glass
- \* Use for the determination of bromine, chlorine, iodine and sulfur

	Capacity, ml	Pack Size
15.139.0250	250	2
15.139.0500	500	2



### Flask, Distillation

with side tube and reinforced bead, conformity to ASTM 1405 Standard.

- \* Uniform wall thickness distribution makes these Flasks ideal for heating
- \* All sizes have a durable matt-finished enameled area for marking.
- \* Suitable for distillation process

	Capacity, ml	Ht. x OD (mm) Approx	Pack Size
15.140.0100	100	64x210	2
15.140.0125	125	70x215	2
15.140.0250	250	88x230	2
15.140.0500	500	110 x 250	1
15.140.1000	1000	130 x 305	1

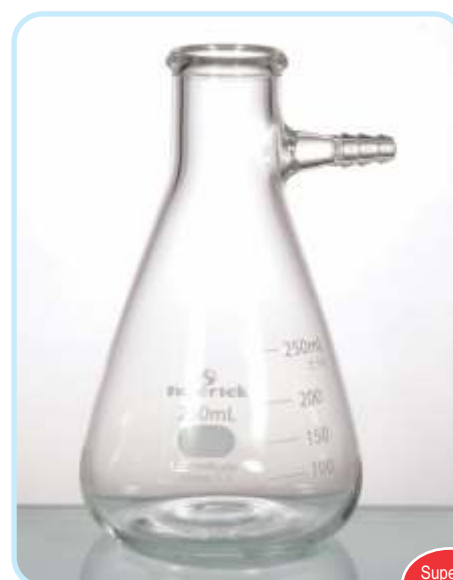


ASTM  
1405

### Flask, Distillation

with 19/26 joint, side arm.

	Capacity, ml	Ht. x OD (mm) Approx	Pack Size
15.144.0125	125	70x215	2



Superior  
Strength

### Flask, Filter Bolt Neck With Tubule At Side

- \* Heavy wall for Superior strength.
- \* The shape is designed to impart maximum mechanical strength
- \* The neck finish is designed for strength and to ensure good stopper fit

	Capacity, ml	Ht. x OD (mm) Approx	Pack Size
15.148.0100	100	105 x 68	10
15.148.0250	250	135 x 90	10
15.148.0500	500	170 x 106	10
15.148.1000	1000	220 x 135	6

ISO  
1773

Dish Washer  
Durable  
Print

A  
121 °C



Flask Round Bottom, Single Neck

	Capacity, ml	Socket Size	Pack Size
15.201.0001	5	10/19	25
15.201.0001A	5	14/20	25
15.201.0002	5	14/23	25
15.201.0003	10	10/19	25
15.201.0003A	10	14/20	25
15.201.0004	10	14/23	25
15.201.0004A	10	19/22	25
15.201.0005	25	14/23	10
15.201.0006	25	14/20	10
15.201.0010 *	25	19/26	10
15.201.0012	25	19/22	10
15.201.0015 *	25	24/29	10
15.201.0017	25	24/40	10
15.201.0020	50	14/23	10
15.201.0022	50	14/20	10
15.201.0025	50	19/26	10
15.201.0027	50	19/22	10
15.201.0030	50	24/29	10
15.201.0032	50	24/40	10
15.201.0035	50	29/32	10
15.201.0036	50	34/35	10
15.201.0040	100	14/23	10
15.201.0042	100	14/20	10
15.201.0045	100	19/26	10
15.201.0047	100	19/22	10
15.201.0050	100	24/29	10
15.201.0052	100	24/40	10
15.201.0055	100	29/32	10
15.201.0056	100	34/35	10
15.201.0057	150	19/26	10
15.201.0058	150	24/29	10
15.201.0058A	150	24/40	10
15.201.0059	150	29/32	10
15.201.0059A	150	34/35	10
15.201.0060 *	250	14/23	10
15.201.0062	250	14/20	10
15.201.0065	250	19/26	10
15.201.0066	250	19/22	10
15.201.0070	250	24/29	10
15.201.0072	250	24/40	10
15.201.0075	250	29/32	10
15.201.0080	250	34/35	10
15.201.0085	500	19/26	10
15.201.0087	500	19/22	10
15.201.0090	500	24/29	10
15.201.0092	500	24/40	10
15.201.0095	500	29/32	10
15.201.0100	500	34/35	10
15.201.0105 *	1000	19/26	6
15.201.0110	1000	24/29	6
15.201.0111	1000	24/40	6
15.201.0115	1000	29/32	6
15.201.0120 *	1000	34/35	6
15.201.0125	2000	24/29	6
15.201.0126	2000	24/40	6
15.201.0130	2000	29/32	6
15.201.0135 *	2000	34/35	6
15.201.0138	3000	24/29	1
15.201.0139	3000	24/40	1
15.201.0140 *	3000	29/32	1
15.201.0145 *	3000	34/35	1
15.201.0147	3000	40/38	1
15.201.0148	5000	24/29	1
15.201.0150	5000	29/32	1
15.201.0155	5000	34/35	1
15.201.0157	5000	40/38	1
15.201.0160	5000	45/40	1
15.201.0162	5000	50/42	1
15.201.0163	5000	55/44	1
15.201.0165	10000	34/35	1
15.201.0168	10000	40/38	1
15.201.0170	10000	45/40	1
15.201.0185	10000	50/42	1
15.201.0190	10000	55/44	1
15.201.0195	20000	40/38	1
15.201.0200	20000	50/42	1
15.201.0205	20000	55/44	1

\* Non ISO sizes

- \* Made of 3.3 borosilicate glass
- \* In Compliance to DIN ISO 4797 Standard. Printed in white color.
- \* Uniform wall thickness distribution and the round-bottom shape makes them ideal for heating
- \* Equipped with standard interchangeable joint
- \* Large labelling field



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

- \* Made of 3.3 borosilicate glass
- \* In Compliance to DIN ISO 4797 Standard. Printed in white color.
- \* Uniform wall thickness distribution and the round-bottom shape makes them ideal for heating
- \* Equipped with standard interchangeable joint
- \* Large labelling field

	Capacity, ml	Pack Size
15.203.0025	25	10
15.203.0050	50	10
15.203.0100	100	10
15.203.0150	150	10
15.203.0250	250	10
15.203.0500	500	10
15.203.1000	1000	6
15.203.2000	2000	6

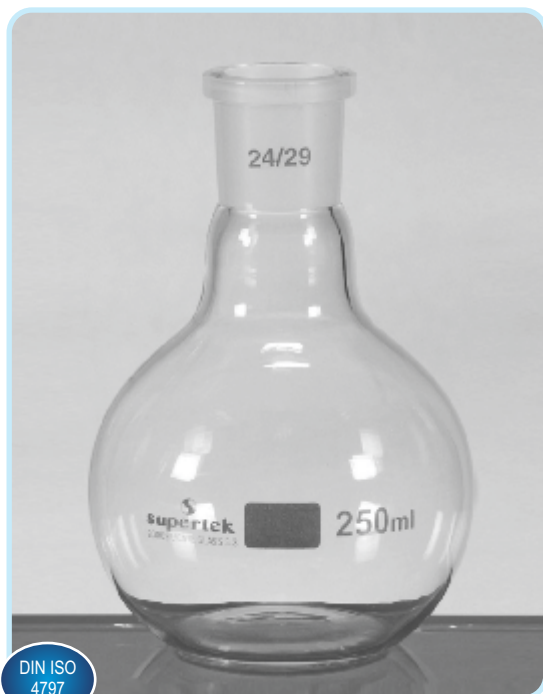


### Amber Colour Flasks, Flat Bottom, Single Neck

- \* Made of 3.3 borosilicate glass
- \* In Compliance to DIN ISO 4797 Standard. Printed in white color.
- \* Uniform wall thickness distribution and flat-bottom shape makes them ideal for heating
- \* Equipped with standard interchangeable joint
- \* Large labelling field

	Capacity, ml	Pack Size
15.205.0025	25	10
15.205.0050	50	10
15.205.0100	100	10
15.205.0150	150	10
15.205.0250	250	10
15.205.0500	500	10
15.205.1000	1000	6
15.205.2000	2000	6

- \* In Compliance to DIN ISO 4797 Standard.  
Printed in white color.
- \* Uniform wall thickness distribution  
makes these flasks ideal for heating
- \* All sizes have a durable matt-finished enamelled  
area for marking with an ordinary pencil
- \* Equipped with standard interchangeable joint
- \* The flat base ensures that the flask can be placed  
down even without the supporting ring



### Flask Flat Bottom, Single Neck

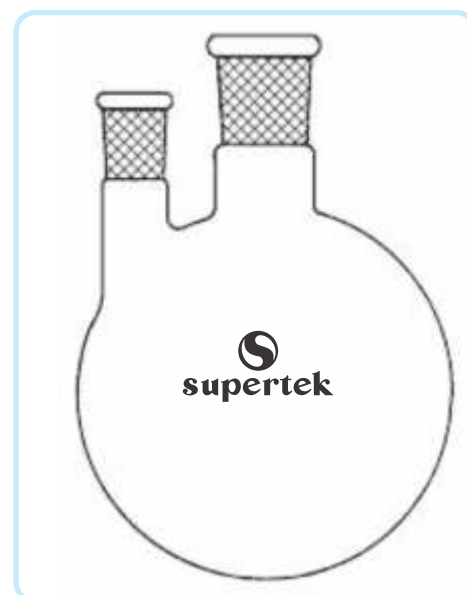
	Capacity, ml	Socket Size	Pack Size
15.204.0001A	5	10/19	10
15.204.0001B	5	14/23	10
15.204.0002A	10	10/19	10
15.204.0002B	10	14/23	10
15.204.0003A	25	14/23	10
15.204.0003B	25	19/26	10
15.204.0003C	25	24/29	10
15.204.0004A	50	14/20	10
15.204.0004B	50	14/23	10
15.204.0005	50	19/26	10
15.204.0006	50	19/22	10
15.204.0007	50	24/40	10
15.204.0010	50	24/29	10
15.204.0015	50	29/32	10
15.204.0016	50	34/35	10
15.204.0018	100	14/23	10
15.204.0019	100	19/22	10
15.204.0020	100	19/26	10
15.204.0025	100	24/29	10
15.204.0026	100	24/40	10
15.204.0030	100	29/32	10
15.204.0032	100	34/35	10
15.204.0033	125	24/40	10
15.204.0035 *	150	19/26	10
15.204.0040 *	150	24/29	10
15.204.0045 *	150	29/32	10
15.204.0048	150	34/35	10
15.204.0050	250	19/26	10
15.204.0053	250	24/40	10
15.204.0055	250	24/29	10
15.204.0060	250	29/32	10
15.204.0065	250	34/35	10
15.204.0067	300	24/29	10
15.204.0070 *	500	19/26	10
15.204.0072	500	24/40	10
15.204.0075	500	24/29	10
15.204.0080	500	29/32	10
15.204.0085	500	34/35	10
15.204.0090	1000	24/29	6
15.204.0092	1000	24/40	6
15.204.0095	1000	29/32	6
15.204.0100	1000	34/35	6
15.204.0105	2000	24/29	6
15.204.0110	2000	29/32	6
15.204.0115	2000	34/35	6
15.204.0120	3000	24/29	1
15.204.0125	3000	34/35	1
15.204.0130	3000	40/38	1
15.204.0135	5000	24/29	1
15.204.0140	5000	34/35	1
15.204.0145	5000	40/38	1
15.204.0150	5000	45/40	1
15.204.0155	5000	50/42	1
15.204.0160	10000	34/35	1
15.204.0165	10000	40/38	1
15.204.0170	10000	45/40	1
15.204.0175	10000	50/42	1
15.204.0180	10000	55/44	1
15.204.0185	20000	40/38	1
15.204.0190	20000	50/42	1
15.204.0195	20000	55/44	1

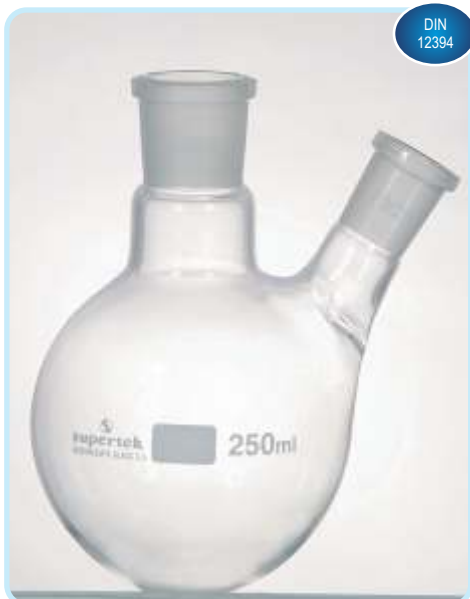
\* Non ISO sizes



**Flask Round Bottom, Two Necks (Side Neck Parallel)**

	Capacity, ml	Socket center neck	Socket Side Neck	Pack Size
15.210.0020	50	24/29	14/23	2
15.210.0025	50	29/32	14/23	2
15.210.0030	100	24/29	14/23	2
15.210.0035	100	24/29	19/26	2
15.210.0040	100	29/32	14/23	2
15.210.0045	250	24/29	14/23	1
15.210.0050	250	24/29	19/26	1
15.210.0055	250	29/32	14/23	1
15.210.0060	500	24/29	14/23	1
15.210.0065	500	24/29	19/26	1
15.210.0070	500	29/32	14/23	1
15.210.0075	1000	24/29	14/23	1
15.210.0080	1000	24/29	19/26	1
15.210.0085	1000	29/32	14/23	1
15.210.0090	1000	34/35	14/23	1
15.210.0095	1000	34/35	19/26	1
15.210.0100	2000	24/29	19/26	1
15.210.0105	2000	24/29	24/29	1
15.210.0110	2000	34/35	19/26	1
15.210.0115	2000	34/35	24/29	1
15.210.0120	3000	24/29	14/23	1
15.210.0125	3000	24/29	19/26	1
15.210.0130	3000	24/29	24/29	1
15.210.0135	3000	34/35	14/23	1
15.210.0140	3000	34/35	19/26	1
15.210.0145	3000	34/35	24/29	1
15.210.0150	5000	24/29	14/23	1
15.210.0155	5000	24/29	19/26	1
15.210.0160	5000	24/29	24/29	1
15.210.0165	5000	34/35	14/23	1
15.210.0170	5000	34/35	19/26	1
15.210.0175	5000	34/35	24/29	1
15.210.0180	5000	40/38	14/23	1
15.210.0185	5000	40/38	19/26	1
15.210.0190	5000	40/38	24/29	1
15.210.0195	10000	50/42	19/26	1
15.210.0200	10000	50/42	24/29	1
15.210.0205	10000	50/42	34/35	1
15.210.0210	10000	55/44	19/26	1
15.210.0215	10000	55/44	24/29	1
15.210.0220	10000	55/44	34/35	1
15.210.0225	20000	50/42	19/26	1
15.210.0230	20000	50/42	24/29	1
15.210.0235	20000	50/42	34/35	1
15.210.0240	20000	55/44	19/26	1
15.210.0245	20000	55/44	24/29	1
15.210.0250	20000	55/44	34/35	1





**Flask Round Bottom, Two Necks**

- \* Conformity to DIN 12394 Standard. Printed in white color
- \* Uniform wall thickness distribution and the round-bottom shape makes them ideal for heating
- \* Accessories, thermometer, column, dropping funnels, boiling capillaries, etc., can be fitted depending upon the application
- \* Generally used in distillation and extraction processes

	Capacity, ml	Center Socket	Side Sockets	Pack Size
15.208.0005	50	24/29	14/23	2
15.208.0010	50	29/32	14/23	2
15.208.0015	100	24/29	14/23	2
15.208.0020	100	24/29	19/26	2
15.208.0025	100	29/32	14/23	2
15.208.0030	250	24/29	14/23	1
15.208.0035	250	24/29	19/26	1
15.208.0040	250	29/32	14/23	1
15.208.0045	500	24/29	14/23	1
15.208.0050	500	24/29	19/26	1
15.208.0055	500	29/32	14/23	1
15.208.0060	1000	24/29	14/23	1
15.208.0065	1000	24/29	19/26	1
15.208.0070	1000	29/32	14/23	1
15.208.0075	2000	34/35	19/26	1

**Note**

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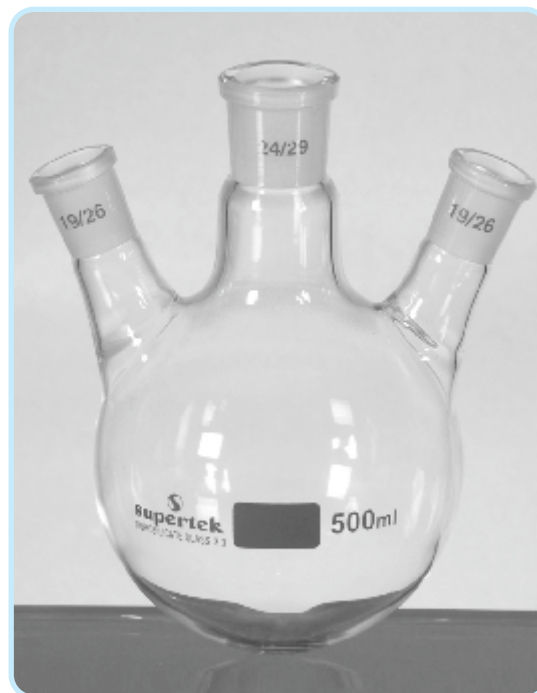
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### Flask Round Bottom, Three Necks At Angle

- \* Printed in white color.
- \* Uniform wall thickness and the round-bottom shape makes them ideal for heating
- \* Accessories, thermometer, column, dropping funnels, boiling capillaries, etc., can be fitted depending upon the application
- \* Generally used in distillation and extraction processes

	Capacity, ml	Center Socket	Side Sockets	Pack Size
15.212.0005	100	19/26	14/23	2
15.212.0010	100	24/29	14/23	2
15.212.0015	100	24/29	19/26	2
15.212.0020	100	29/32	14/23	2
15.212.0025	250	19/26	19/26	1
15.212.0030	250	24/29	14/23	1
15.212.0035	250	24/29	19/26	1
15.212.0040	250	29/32	14/23	1
15.212.0045	250	29/32	19/26	1
15.212.0050	250	29/32	29/32	1
15.212.0055	500	24/29	14/23	1
15.212.0060	500	24/29	19/26	1
15.212.0065	500	29/32	14/23	1
15.212.0070	500	29/32	19/26	1
15.212.0075	500	29/32	29/32	1
15.212.0080	1000	24/29	14/23	1
15.212.0085	1000	24/29	19/26	1
15.212.0090	1000	29/32	14/23	1
15.212.0095	1000	29/32	19/26	1
15.212.0100	1000	29/32	29/32	1
15.212.0105	2000	24/29	19/26	1
15.212.0110	2000	29/32	24/29	1
15.212.0115	2000	29/32	29/32	1

DIN  
12392Dish Washer  
Durable  
PrintA  
121 °C

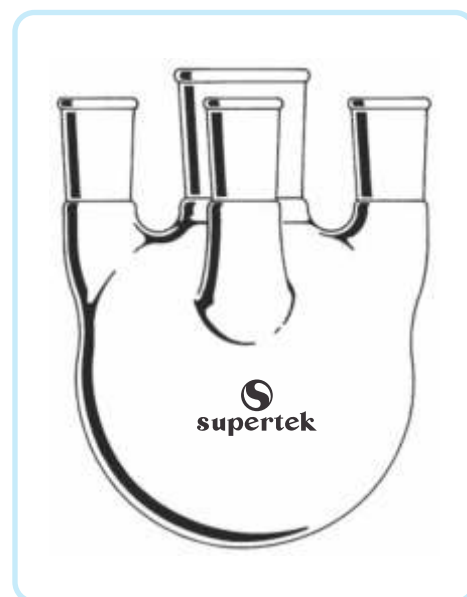
### Flask Round Bottom, Three Necks Parallel

- \* Conformity to DIN 12392 Standard. Printed in white color.
- \* Uniform wall thickness distribution and the round-bottom shape makes them ideal for heating
- \* Accessories, thermometer, column, dropping funnels, boiling capillaries, etc., can be fitted depending upon the application
- \* Generally used in distillation and extraction processes

	Capacity, ml	Center Socket	Side Sockets	Pack Size
15.216.0005	250	24/29	19/26	1
15.216.0010	250	29/32	14/23	1
15.216.0015	250	29/32	29/32	1
15.216.0020	500	24/29	19/26	1
15.216.0025	500	29/32	14/23	1
15.216.0030	500	29/32	19/26	1
15.216.0035	500	29/32	29/32	1
15.216.0040	1000	24/29	19/26	1
15.216.0045	1000	29/32	14/23	1
15.216.0050	1000	29/32	19/26	1
15.216.0055	1000	29/32	24/29	1
15.216.0060	1000	29/32	29/32	1
15.216.0065	2000	24/29	19/26	1
15.216.0070	2000	29/32	19/26	1
15.216.0075	2000	29/32	29/32	1
15.216.0080	2000	34/35	19/26	1
15.216.0085	2000	34/35	24/29	1

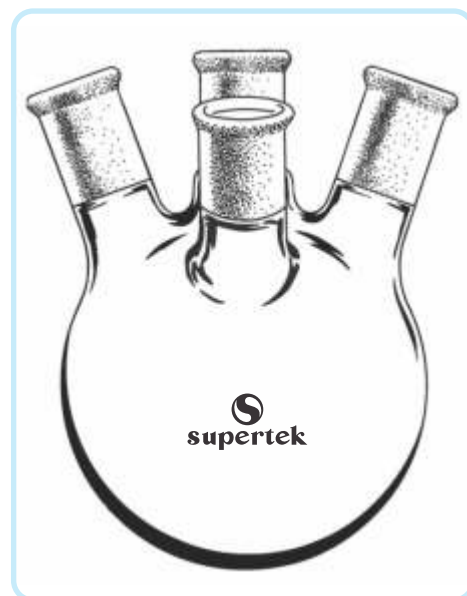
Round Bottom Flask, Four Necks (Parallel)

	Capacity, ml	Center Socket	Side Sockets	Pack Size
15.217.0005	50	24/29	24/29	1
15.217.0010	100	24/29	14/23	1
15.217.0015	100	24/29	19/26	1
15.217.0020	250	19/26	19/26	1
15.217.0025	250	24/29	14/23	1
15.217.0030	250	24/29	19/26	1
15.217.0035	250	29/32	14/23	1
15.217.0040	250	29/32	29/32	1
15.217.0045	500	19/26	19/26	1
15.217.0050	500	24/29	14/23	1
15.217.0055	500	24/29	19/26	1
15.217.0065	500	24/29	24/29	1
15.217.0070	500	29/32	14/23	1
15.217.0075	500	29/32	19/26	1
15.217.0080	500	29/32	29/32	1
15.217.0085	500	34/35	24/29	1
15.217.0090	1000	24/29	14/23	1
15.217.0095	1000	24/29	19/26	1
15.217.0100	1000	24/29	24/29	1
15.217.0105	1000	29/32	14/23	1
15.217.0110	1000	29/32	19/26	1
15.217.0115	1000	29/32	24/29	1
15.217.0120	1000	29/32	29/32	1
15.217.0125	1000	34/35	24/29	1
15.217.0130	2000	24/29	14/23	1
15.217.0135	2000	24/29	19/26	1
15.217.0140	2000	29/32	19/26	1
15.217.0145	2000	29/32	29/32	1
15.217.0150	2000	34/35	19/26	1
15.217.0155	2000	34/35	24/29	1
15.217.0160	3000	34/35	19/26	1
15.217.0165	3000	34/35	24/29	1
15.217.0170	5000	34/35	19/26	1
15.217.0175	5000	34/35	24/29	1
15.217.0180	10000	34/35	24/29	1
15.217.0185	10000	45/40	24/29	1
15.217.0190	10000	55/44	24/29	1
15.217.0195	20000	55/44	24/29	1



## Round Bottom Flask, Four Necks (At An Angle)

	Capacity, ml	Center Socket	Side Sockets	Pack Size
15.218.0005	50	24/29	24/29	1
15.218.0010	100	14/23	14/23	1
15.218.0015	100	19/26	14/23	1
15.218.0020	100	24/29	14/23	1
15.218.0025	100	24/29	19/26	1
15.218.0030	100	29/32	14/23	1
15.218.0035	250	19/26	14/23	1
15.218.0040	250	19/26	19/26	1
15.218.0045	250	24/29	14/23	1
15.218.0050	250	24/29	19/26	1
15.218.0055	250	29/32	14/23	1
15.218.0060	250	29/32	19/26	1
15.218.0065	250	29/32	29/32	1
15.218.0070	500	24/29	14/23	1
15.218.0075	500	24/29	19/26	1
15.218.0080	500	24/29	19/26	1
15.218.0085	500	24/29	24/29	1
15.218.0090	500	29/32	14/23	1
15.218.0095	500	29/32	19/26	1
15.218.0100	500	29/32	29/32	1
15.218.0105	500	34/35	24/29	1
15.218.0110	1000	24/29	14/23	1
15.218.0115	1000	24/29	19/26	1
15.218.0120	1000	24/29	24/29	1
15.218.0125	1000	29/32	14/23	1
15.218.0130	1000	29/32	19/26	1
15.218.0135	1000	29/32	29/32	1
15.218.0140	1000	34/35	24/29	1
15.218.0145	2000	24/29	14/23	1
15.218.0150	2000	24/29	19/26	1
15.218.0155	2000	29/32	24/29	1
15.218.0160	2000	29/32	29/32	1
15.218.0165	2000	34/35	19/26	1
15.218.0170	2000	34/35	24/29	1
15.218.0175	3000	34/35	19/26	1
15.218.0180	3000	34/35	24/29	1
15.218.0185	5000	34/35	19/26	1
15.218.0190	5000	34/35	24/29	1
15.218.0195	10000	34/35	24/29	1
15.218.0200	10000	45/40	24/29	1
15.218.0205	10000	55/44	24/29	1
15.218.0210	20000	55/44	24/29	1



## Flasks, Solvent Storage, Glass stopcock

	Capacity, ml	Socket Size	Pack Size
15.219.0025	25	14/23	2
15.219.0050	50	14/23	2
15.219.0100	100	19/26	2
15.219.0250	250	24/29	1
15.219.0500	500	24/29	1





### Flask Pear Shape, Single Neck

- \* Made of 3.3 borosilicate glass
- \* The conical shape makes them ideal for small scale reaction
- \* Large labelling field

	Capacity, ml	Socket Size	Approx Overall height, mm	Approx diameter, mm	Pack Size
15.220.0025	25	14/23	90	38	10
15.220.0050	50	14/23	110	48	10
15.220.0100	100	14/23	125	58	10



### Flask Pear Shape, Two Necks

	Capacity, ml	Center Socket	Side Sockets	Approx Overall height, mm	Pack Size
15.224.0050	50	14/23	14/23	110	1
15.224.0100	100	14/23	14/23	125	1

### Flask Pear Shape, Three Necks

Center neck with one parallel side neck and one angle side neck

	Capacity, ml	Center Socket	Side Socket	Pack Size
15.228.0025	25	14/23	14/23	1
15.228.0050	50	14/23	14/23	1
15.228.0100	100	14/23	14/23	1



### Flask Pear Shape, Distillation

Printed in white color.

	Capacity, ml	Socket Size	Cone Size	Pack Size
15.232.0010	10	14/23	14/23	4
15.232.0025	25	14/23	14/23	2
15.232.0050	50	14/23	14/23	2
15.232.0100	100	14/23	14/23	2



### Flask Pear Shape, Claisen

Printed in white color.

	Capacity, ml	Socket Size	Cone Size	Pack Size
15.236.0010	10	14/23	14/23	2
15.236.0025	25	14/23	14/23	1
15.236.0050	50	14/23	14/23	1
15.236.0100	100	14/23	14/23	1

### Flask Pear Shape, Claisen-vigreux

Printed in white color.

	Capacity, ml	Socket Size	Cone Size	Pack Size
15.240.0025	25	14/23	14/23	1
15.240.0050	50	14/23	14/23	1
15.240.0100	100	14/23	14/23	1



### Flask Vigreux With Side Neck

Printed in white color.

	Capacity, ml	Socket Size	Cone Size	Pack Size
15.244.0025	25	14/23	14/23	1
15.244.0050	50	14/23	14/23	1
15.244.0100	100	14/23	14/23	1



**Flask, Evaporating, Florentine**

- \* To be used in Rotary Evaporator. Printed in white color.
- \* Ideal for heating sensitive solvent solute combinations
- \* Facilitate the extraction of key components like odour, oil, drugs, natural extract and fragrance

	Capacity, ml	Socket Size	Approx Overall height	Pack Size
15.248.0050	50	29/32	94	10
15.248.0100	100	29/32	110	10
15.248.0250	250	29/32	140	10
15.248.0500	500	29/32	170	10
15.248.1000	1000	29/32	210	6
15.248.2000	2000	29/32	250	6



**Note**

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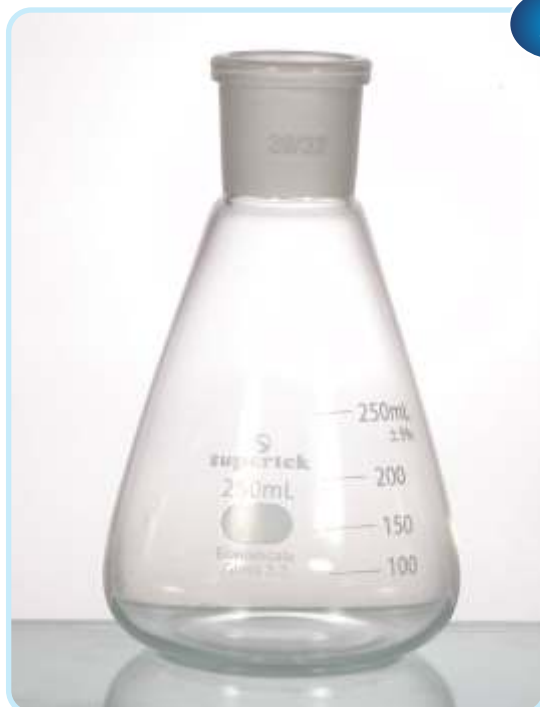
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### Flask, Conical, (Erlenmeyer) With Joint

- \* Conformity to ISO 4797 Standard. Easy to read scale, printed in white color.
- \* Uniform wall thickness distribution makes these flasks ideal for heating
- \* The conical form makes them suitable for mixing of liquids
- \* Equipped with standard interchangeable joints

	Capacity, ml	Socket Size	Pack Size
15.252.0001A	5	14/20	10
15.252.0002A	10	14/20	10
15.252.0002B	10	19/22	10
15.252.0003	25	10/19	10
15.252.0004	25	14/20	10
15.252.0005	25	14/23	10
15.252.0010	25	19/26	10
15.252.0011	25	19/22	10
15.252.0015	50	14/23	10
15.252.0016	50	14/20	10
15.252.0020	50	19/26	10
15.252.0022	50	19/22	10
15.252.0025	50	24/29	10
15.252.0027	50	24/40	10
15.252.0030	50	29/32	10
15.252.0035	100	14/23	10
15.252.0040	100	19/26	10
15.252.0045	100	24/29	10
15.252.0050	100	29/32	10
15.252.0051A	125	14/20	10
15.252.0051B	125	19/22	10
15.252.0051C	125	24/40	10
15.252.0052	150	19/26	10
15.252.0053	150	24/29	10
15.252.0054	150	29/32	10
15.252.0055	200	29/32	10
15.252.0060	250	19/26	10
15.252.0065	250	24/29	10
15.252.0066	250	24/40	10
15.252.0070	250	29/32	10
15.252.0072	250	34/35	10
15.252.0075	300	29/32	10
15.252.0080	500	19/26	10
15.252.0085	500	24/29	10
15.252.0086	500	24/40	10
15.252.0090	500	29/32	10
15.252.0093	500	34/35	10
15.252.0095	1000	24/29	6
15.252.0096	1000	24/40	6
15.252.0100	1000	29/32	6
15.252.0105	1000	34/35	6
15.252.0108	2000	24/29	6
15.252.0110	2000	29/32	6
15.252.0120	2000	34/35	6


  
121 °C



### Flask, Conical, (Erlenmeyer) With Screw Cap

- \* Easy to read scale, printed in white color.
- \* Uniform wall thickness distribution makes these flasks ideal for heating
- \* The conical form makes them suitable for mixing of liquids
- \* Caps made of PP can be used to close these flasks

Cat. No.	Capacity, ml	Pack Size
15.256.0025	25	10
15.256.0050	50	10
15.256.0100	100	10
15.256.0150	150	10
15.256.0250	250	10
15.256.0500	500	10
15.256.1000	1000	6
15.256.2000	2000	6
15.256.5000	5000	1



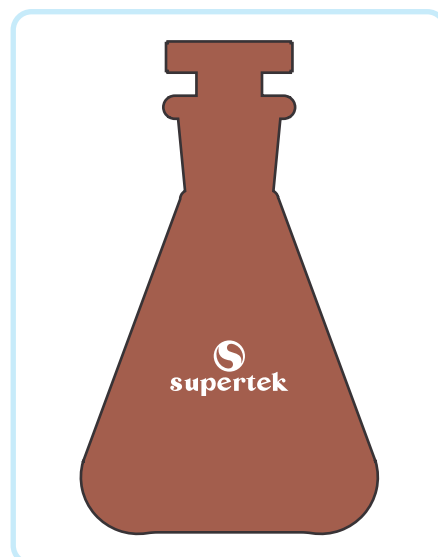
### Conical Flask With Ground Joint & Hollow Glass Stopper

- \* Easy to read scale, printed in white color.
- \* Uniform wall thickness distribution makes these flasks ideal for heating
- \* The conical form makes them suitable for mixing of liquids
- \* These Flasks can be closed with a glass stopper

	Capacity, ml	Joint Size	Pack Size
15.260.0100	100	29/32	10
15.260.0250	250	29/32	10
15.260.0500	500	29/32	10
15.260.1000	1000	29/32	6
15.260.2000	2000	29/32	6

### Amber Color Flask Conical With Interchangeable Stopper

	Capacity, ml	Socket Size	Pack Size
15.262.0025	25	14/23	10
15.262.0050	50	19/26	10
15.262.0100	100	29/32	10
15.262.0250	250	29/32	10
15.262.0500	500	29/32	10
15.262.1000	1000	29/32	6
15.262.2000	2000	29/32	6



### Flask, Iodine

- \* For determination of Iodine with ground joint and stopper.
- \* Large labeling field for easy marking
- \* The handle of the stopper projects above the liquid seal, facilitating its removal

	Capacity, ml	Joint Size	Min. cup capacity, ml	Pack Size
15.264.0005	250	24/29	20	10
15.264.0010	250	29/32	20	10
15.264.0015	500	24/29	20	10
15.264.0020	500	29/32	20	10

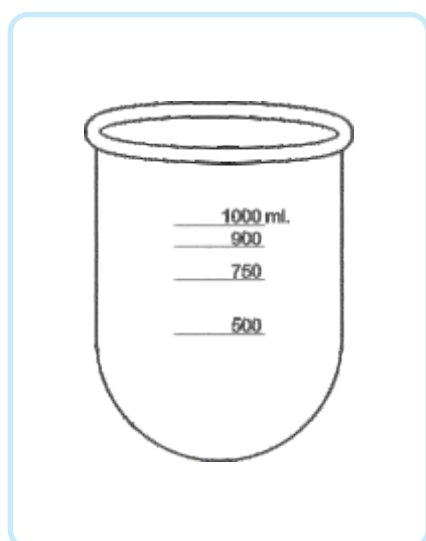


### Flask For Dissolution Apparatus, Without Side Cut as per USP, with Certificate

In compliance with requirements of USP Ch. 711

- \* Smooth base, straight sides and a flat flange
- \* Graduated in intervals of 50ml
- \* Used in determination of dissolution characteristics of drugs in capsules and tablets

	Capacity ml	Approx O.D. x Height mm	Pack Size
15.322.1000	1000	131 x 173	6
15.322.2000	2000	131 x 285	2



### Flask For Dissolution Apparatus, With Side Cut as per USP, with Certificate

In compliance to requirements of USP Ch. 711

- \* Smooth base, straight sides and a flat flange side-cuts at the flange
- \* Graduated in intervals of 50ml
- \* Used in determination of dissolution characteristics of drugs in capsules and tablets

	Capacity ml	Approx O.D. x Height mm	Pack Size
15.324.1000	1000	124 x 173	6
15.324.2000	2000	131 x 285	2

**Amber Flask For Dissolution Apparatus, Without Side Cut as per USP, with Certificate**

In Compliance with requirements of USP Ch. 711

- \* Smooth base, straight sides and a flat flange
- \* Graduated in intervals of 50ml
- \* Used in determination of dissolution characteristics of drugs in capsules and tablets
- \* Amber color is applied to reduce UV light penetration

	Capacity ml	Approx O.D. x Height mm	Pack Size
<b>15.326.1000</b>	1000	131 x 173	6
<b>15.326.2000</b>	2000	131 x 285	2



**Amber Flask For Dissolution Apparatus, With Side Cut as per USP, with Certificate**

In Compliance with requirements of USP Ch. 711

- \* Smooth base, straight sides and a flat flange side-cuts at the flange
- \* Graduated in intervals of 50ml
- \* Used in determination of dissolution characteristics of drugs in capsules and tablets
- \* Amber color is applied to reduce UV light penetration

	Capacity ml	Approx O.D. x Height mm	Pack Size
<b>15.328.1000</b>	1000	124 x 173	6
<b>15.328.2000</b>	2000	124 x 285	2

### Flask Reaction, Wide Neck

100 mm i.d., 150 mm o.d. flat flange joint

	Capacity, ml	Pack Size
15.268.1000	1000	1
15.268.2000	2000	1
15.268.3000	3000	1
15.268.5000	5000	1
15.268.9910	10000	1
15.268.9920	20000	1



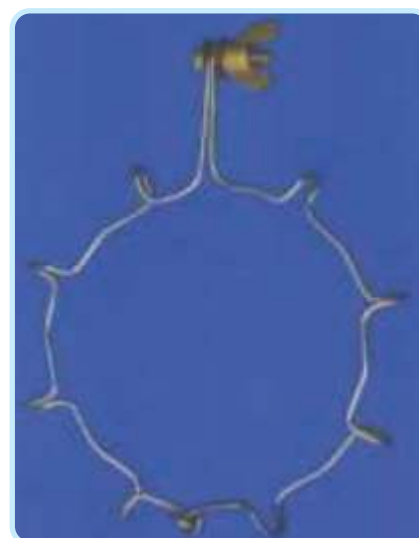
### Lids For Reaction Flask, Multi Socket - With Flat Flange Joint, Flange Bore 100 mm

	Centre Socket	Parallel Socket	Side Socket			Pack Size
			5°	10°	15°	
15.272.0005	19/26	19/26	24/29	19/26	-	1
15.272.0010	19/26	14/23	14/23	14/23	29/32	1
15.272.0015	29/32	14/23	14/23	14/23	29/32	1

### Stainless Steel Clip

Stainless Steel Clip with wing nuts for holding 100 mm flat flange

15.276.0005	5
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### Flask, Culture, Haffkine

- \* Complies with IS 7183
- \* The large, flat bottom surface ensures uniform culture thickness
- \* Typically used for the preparation of culture in nutrient media

	Capacity, ml	App. O.D. x Height mm	Pack size
15.280.3000	3000**	245 x 273	2
15.280.4000	4000	246 x 310	2

- \* Suitable for use in Polenske Apparatus
- \*\* 3000 ml not covered in standards



### Weighing Scoop

- \* Weighing Scoops have an open tubular arm
- \* Ideal for weighing small quantities of dyes and powders

	Capacity, ml	Pack size
15.315.0001	1	10
15.315.0002	2	10
15.315.0003	3	10
15.315.0006	6	10
15.315.0010	10	10

### Watch Glass

Cat. No.	Diam., mm	Pack Size
CH13090/1A	35	20
CH13090/1	50	20
CH13090/2	65	20
CH13090/3	75	20
CH13090/4	80	20
CH13090/5	100	20
CH13090/7	120	20
CH13090/10	150	10



### Stirrer

- \* Ideal for very sensitive samples
- \* Made of polished 3.3 borosilicate glass

	Approx. O.D. x Height mm	Pack size
15.320.0815	8 x 150	20
15.320.0820	8 x 200	20
15.320.0825	8 x 250	20
15.320.0830	8 x 300	20
15.320.1015	10 x 150	20
15.320.1020	10 x 200	20
15.320.1025	10 x 250	20
15.320.1030	10 x 300	20



## Funnels

www.supertekglassware.com



### Filter Funnel, 60° Angle Long Stem

- \* Complies with ISO / DIN 4798
- \* Made of thermal shock resistant and chemical resistant Borosilicate 3.3 glass
- \* Designed with a 60° angle to ensure precise fitting of the filter paper
- \* Generally used for filtering and decanting liquids of varied densities

	Dia., mm	Pack Size
15.301.0025	25	10
15.301.0035	35	10
15.301.0040	40	10
15.301.0050	50	10
15.301.0055	55	10
15.301.0065	65	10
15.301.0070	70	10
15.301.0075	75	10
15.301.0080	80	10
15.301.0100	100	6
15.301.0125	125	4
15.301.0150	150	4

### Filter Funnel, 60° Angle, Short Stem

- \* Complies with ISO / DIN 4798
- \* Made of thermal shock resistant and chemical resistant Borosilicate 3.3 glass
- \* Designed with a 60° bowl angle to ensure precise fitting of the filter paper
- \* Generally used for filtering and decanting liquids of varied densities

	Dia., mm	Pack Size
15.304.0025	25	10
15.304.0035	35	10
15.304.0038	38	10
15.304.0040	40	10
15.304.0050	50	10
15.304.0055	55	10
15.304.0065	65	10
15.304.0070	70	10
15.304.0075	75	10
15.304.0080	80	10
15.304.0100	100	6
15.304.0125	125	4
15.304.0150	150	4
15.304.0200	200	2

### Powder Funnel

- \* Ideal for transferring powders
- \* Designed with a short wide stem to facilitate smooth flow
- \* Made of thermal shock resistant and chemical resistant Borosilicate 3.3 glass
- \* Supplied with ground glass cone for easy fitting on flask

Cat. No.	Funnel diam. Approx., mm	Cone Size	Pack Size
15.308.0005	45	14/23	10
15.308.0010	70	14/23	10
15.308.0015	70	29/32	10
15.308.0020	80	29/32	6
15.308.0025	100	14/23	6
15.308.0028	100	24/29	6
15.308.0030	100	29/32	6
15.308.0035	125	24/29	4
15.308.0040	150	24/29	4
15.310.0055	55	-	10
15.310.0080	80	-	10
15.310.0100	100	-	6
15.310.0125	125	-	4
15.310.0150	150	-	4

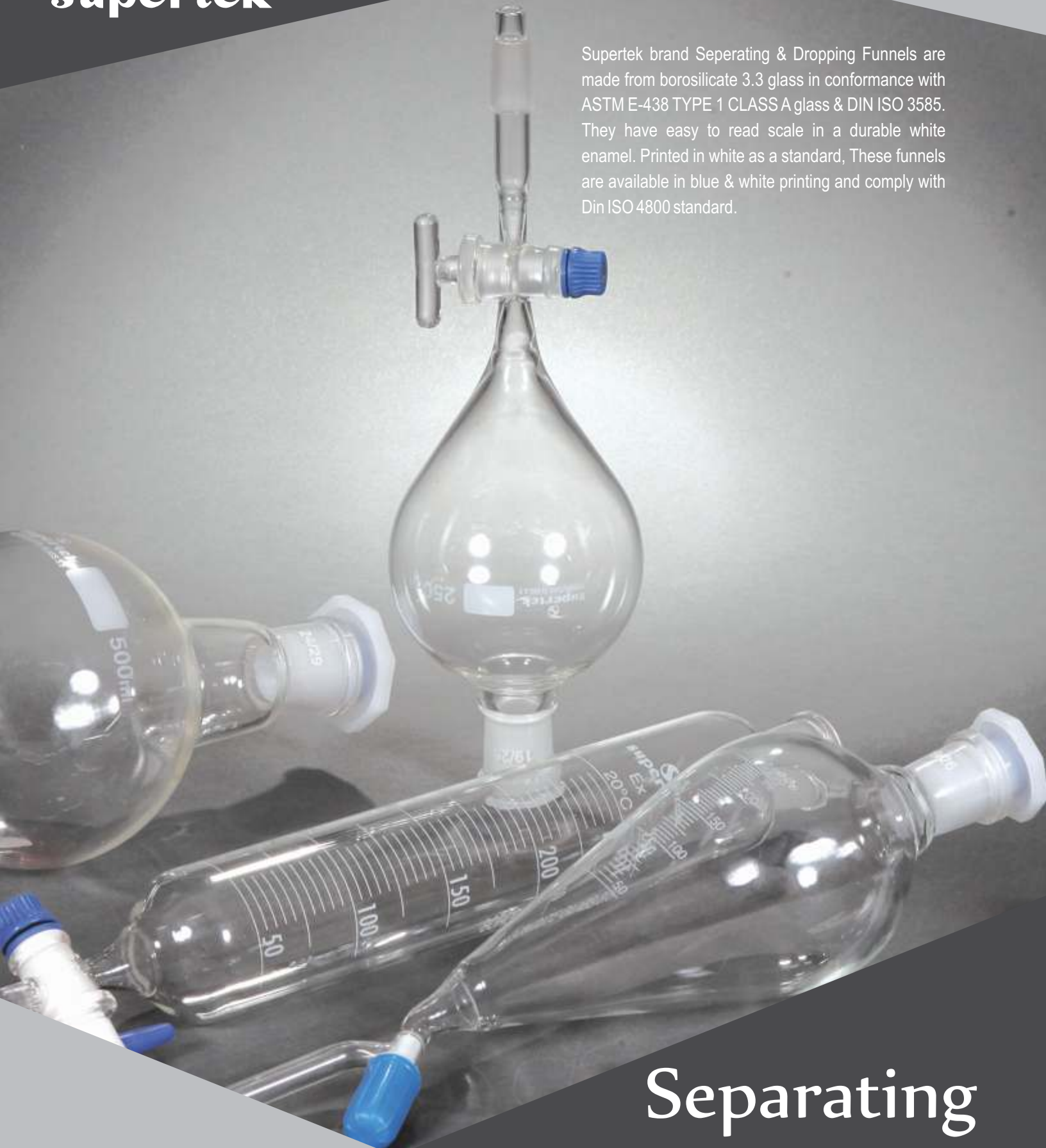


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Supertek brand Separating & Dropping Funnels are made from borosilicate 3.3 glass in conformance with ASTM E-438 TYPE 1 CLASS A glass & DIN ISO 3585. They have easy to read scale in a durable white enamel. Printed in white as a standard, These funnels are available in blue & white printing and comply with Din ISO 4800 standard.



# Separating Funnels

[www.supertekglassware.com](http://www.supertekglassware.com)

### Separating Funnel Squibb Shape, Plain With Polythene Stopper

- \* Conformity to DIN ISO 4800 Standard. Printed in white color.
- \* Made of Borosilicate 3.3 glass
- \* Squibb shape,
- \* Generally used in the separation phase

Glass stopcock with screw thread	PTFE needle valve stopcock (Rotaflo)	PTFE key stopcock	Capacity, ml	Neck Size	Pack Size
15.401.0050	15.403.0050	15.405.0050	50	19/26	2
15.401.0100	15.403.0100	15.405.0100	100	19/26	2
15.401.0250	15.403.0250	15.405.0250	250	29/32	2
15.401.0500	15.403.0500	15.405.0500	500	29/32	2
15.401.1000	15.403.1000	15.405.1000	1000	29/32	1
15.401.2000	15.403.2000	15.405.2000	2000	29/32	1



PTFE Key Stopcock

### Separating Funnel Squibb Shape, Graduated With Polythene Stopper

- \* Conformity to DIN ISO 4800 Standard. Printed in white color.
- \* Made of Borosilicate 3.3 glass
- \* Easy to read scale
- \* Squibb shape,
- \* Generally used in the separation phase

Glass stopcock with screw thread	PTFE needle valve stopcock (Rotaflo)	PTFE key stopcock	Capacity, ml	Neck Size	Pack Size
15.410.0050	15.413.0050	15.415.0050	50	19/26	2
15.410.0100	15.413.0100	15.415.0100	100	19/26	2
15.410.0250	15.413.0250	15.415.0250	250	29/32	2
15.410.0500	15.413.0500	15.415.0500	500	29/32	2
15.410.1000	15.413.1000	15.415.1000	1000	29/32	1
15.410.2000	15.413.2000	15.415.2000	2000	29/32	1



Glass Stopcock



Rotaflo Stopcock

### Separating Funnel Globe Shape, Plain With Polythene Stopper

- \* Conformity to DIN ISO 4800 Standard. Printed in white color.
- \* Made of Borosilicate 3.3 glass
- \* Globe shape,
- \* Generally used in the separation phase

Glass stopcock with screw thread	PTFE needle valve stopcock (Rotaflo)	PTFE key stopcock	Capacity, ml	Neck Size	Pack Size
15.421.0050	15.423.0050	15.425.0050	50	19/26	2
15.421.0100	15.423.0100	15.425.0100	100	19/26	2
15.421.0250	15.423.0250	15.425.0250	250	29/32	2
15.421.0500	15.423.0500	15.425.0500	500	29/32	2
15.421.1000	15.423.1000	15.425.1000	1000	29/32	1
15.421.2000	15.423.2000	15.425.2000	2000	29/32	1



### Separating Funnel, Plain, Globe Shape With Socket And Cone

- \* Made of Borosilicate 3.3 glass
- \* Conformity to DIN ISO 4800 Standard Printed in white color.
- \* Globe shape,
- \* Generally used in the separation phase

Glass stopcock with screw thread	PTFE needle stopcock (Rotafllo)	PTFE key stopcock	Capacity, ml	Neck Size	Pack Size
15.431.0050	15.433.0050	15.435.0050	50	19/26	2
15.431.0100	15.433.0100	15.435.0100	100	19/26	2
15.431.0250	15.433.0250	15.435.0250	250	29/32	2
15.431.0500	15.433.0500	15.435.0500	500	29/32	1
15.431.1000	15.433.1000	15.435.1000	1000	29/32	1
15.431.2000	15.433.2000	15.435.2000	2000	29/32	1



### Separating Funnel, Plain, Globe Shape With Stem Inside Of Cone

- \* Made of Borosilicate 3.3 glass
- \* Conformity to DIN ISO 4800 Standard. Printed in white color.
- \* Globe shape,
- \* Generally used in the separation phase

Glass stopcock with screw thread	PTFE key stopcock	Capacity, ml	Neck Size	Pack Size
15.440.0005	15.444.0005	50	14/23	2
15.440.0010	15.444.0010	50	29/32	2
15.440.0015	15.444.0015	100	14/23	2
15.440.0020	15.444.0020	100	29/32	2
15.440.0025	15.444.0025	250	29/32	2
15.440.0030	15.444.0030	500	29/32	2
15.440.0035	15.444.0035	1000	29/32	1

### Dropping Funnel, Cylindrical, Plain With Polypropylene Stopper

- \* Conformity to DIN ISO 4800 Standard. Printed in white color.

Glass stopcock with screw thread	PTFE needle valve stopcock (Rotafllo)	PTFE key stopcock	Capacity, ml	Neck Size	Pack Size
15.448.0005	15.450.0005	15.452.0005	50	14/23	2
15.448.0010	15.450.0010	15.452.0010	50	29/32	2
15.448.0015	15.450.0015	15.452.0015	100	14/23	2
15.448.0020	15.450.0020	15.452.0020	100	29/32	2
15.448.0025	15.450.0025	15.452.0025	250	29/32	1
15.448.0030	15.450.0030	15.452.0030	500	29/32	1
15.448.0035	15.450.0035	15.452.0035	1000	29/32	1



DIN ISO 4800

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### Dropping Funnel, Cylindrical, Plain With Polypropylene Stopper, Socket & Cone

Conformity to DIN ISO 4800 Standard. Printed in white color.

Glass stopcock with screw thread	PTFE needle valve stopcock (Rotaflo)	PTFE key stopcock	Capacity, ml	Socket & cone	Pack Size
15.455.0005	15.458.0005	15.460.0005	50	14/23	2
15.455.0010	15.458.0010	15.460.0010	50	29/32	2
15.455.0015	15.458.0015	15.460.0015	100	14/23	2
15.455.0020	15.458.0020	15.460.0020	100	29/32	2
15.455.0025	15.458.0025	15.460.0025	250	29/32	1
15.455.0030	15.458.0030	15.460.0030	500	29/32	1
15.455.0035	15.458.0035	15.460.0035	1000	29/32	1

### Dropping Funnel, Cylindrical, Graduated With Polypropylene Stopper

Conformity to DIN ISO 4800 Standard. Printed in white color.

Glass stopcock with screw thread	PTFE needle valve stopcock (Rotaflo)	PTFE key stopcock	Capacity, ml	Neck Size	Pack Size
15.465.0005	15.468.0005	15.470.0005	50	14/23	2
15.465.0010	15.468.0010	15.470.0010	50	29/32	2
15.465.0015	15.468.0015	15.470.0015	100	14/23	2
15.465.0020	15.468.0020	15.470.0020	100	29/32	2
15.465.0025	15.468.0025	15.470.0025	250	29/32	1
15.465.0030	15.468.0030	15.470.0030	500	29/32	1
15.465.0035	15.468.0035	15.470.0035	1000	29/32	1



### Dropping Funnel, Cylindrical, With Stem Inside Cone, Graduated

Conformity to DIN ISO 4800 Standard. Printed in white color.

Glass stopcock with screw thread	PTFE key stopcock	Capacity, ml	Neck Size	Pack Size
15.472.0005	15.474.0005	50	14/23	2
15.472.0010	15.474.0010	50	29/32	2
15.472.0015	15.474.0015	100	14/23	2
15.472.0020	15.474.0020	100	29/32	2
15.472.0025	15.474.0025	250	29/32	1
15.472.0030	15.474.0030	500	29/32	1
15.472.0035	15.474.0035	1000	29/32	1



### Separating Funnel, Gilson With Polypropylene Stopper

Printed in white color.

Glass stopcock	PTFE Stopcock	Capacity, ml	Neck Size	Stopcock Type	Pack Size
15.476.0050	15.478.0050	50	19/26	Solid Glass	2
15.476.0100	15.478.0100	100	19/26	Solid Glass	2
15.476.0250	15.478.0250	250	29/32	Solid Glass	2
15.476.0500	15.478.0500	500	29/32	Solid Glass	2
15.476.1000	15.478.1000	1000	29/32	Solid Glass	1
15.476.2000	15.478.2000	2000	29/32	Solid Glass	1

### Pressure Equalizing Funnel, Cylindrical, With Socket, Glass Stopcock And Stem With Cone

Printed in white color.

Glass Stopcock	PTFE Key stopcock	Capacity, ml	Socket & cone	Pack Size
15.480.0005	15.482.0005	50	14/23	2
15.480.0010	15.482.0010	50	29/32	2
15.480.0015	15.482.0015	100	14/23	2
15.480.0020	15.482.0020	100	29/32	2
15.480.0025	15.482.0025	250	29/32	1
15.480.0030	15.482.0030	500	29/32	1



### Pressure Equalising Funnel, Pear Shape, With Socket, Glass Stopcock And Stem With Cone

Printed in white color.

Glass Stopcock	PTFE Key Stopcock	Capacity, ml	Socket & cone	Pack Size
15.485.0050	15.488.0050	50	14/23	1
15.485.0100	15.488.0100	100	14/23	1
15.485.0250	15.488.0250	250	29/32	1
15.485.0500	15.488.0500	500	29/32	1

### Absorption Tube, Calcium Chloride Straight Form, With One Bulb

	Length mm	Dia. mm	Pack Size
17.134.0100	100	12	12
17.134.0120	120	15	12
17.134.0150	150	18	12



### Absorption Tube, Calcium Chloride U Form

	Length mm	Dia. mm	Pack Size
17.136.0100	100	12	10
17.136.0120	120	15	10
17.136.0150	150	18	10



### Absorption Tube, Calcium Chloride U Form With Side Arms

	Length mm	Dia. mm	Pack Size
17.142.0100	100	12	10
17.142.0120	120	15	10
17.142.0150	150	18	10



  
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Desiccator, With Cover, Neutral Glass With Porcelain Plate

	Dia.,mm	Pack Size
19.101.0160	160	1
19.101.0210	210	1
19.101.0250	250	1
19.101.0300	300	1



Desiccator, Vacuum Neutral Glass With Porcelain Plate

	Dia.,mm	Pack Size
19.104.0160	160	1
19.104.0210	210	1
19.104.0250	250	1
19.104.0300	300	1



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Plasticware



### Dish, Crystallizing

- \* Fire-polished rims to reduce chipping
- \* High resistance to chemical attack and thermal shock

With Spout	Without Spout	O.D.,mm	Ht.,mm	Pack Size
19.108.0040	19.105.0040	40	25	4
19.108.0050	19.105.0050	50	30	4
19.108.0060	19.105.0060	60	35	4
19.108.0070	19.105.0070	70	40	4
19.108.0080	19.105.0080	80	45	4
19.108.0095	19.105.0095	95	55	4
19.108.0100	19.105.0100	100	50	4
19.108.0150	19.105.0150	150	75	1
19.108.0190	19.105.0190	190	100	1



Best Seller

### Petri Dish Fused Edges, Complete With Cover

- \* Made of Borosilicate glass 3.3
- \* Ideal for use in Lab work
- \* Even wall thickness
- \* Can be sterilized repeatedly

	Dia.,mm	Pack Size
19.112.0050	50	10
19.112.0075	75	10
19.112.0090	90	10
19.112.0100	100	10
19.112.0125	125	10

### Gas Generator, Kipp's With Ground Glass Joints

Complete with delivery tube, thistle funnel and glass stopcock

- \* Manufactured from Borosilicate 3.3 glass
- \* Used to produce common gases
- \* Simple to operate and assemble

	Capacity, ml	Pack Size
12.160.0250	250	1
12.160.0500	500	1
12.160.1000	1000	1



# Stopcocks

www.supertekglassware.com

## Stopcock, Straight

Glass stopcock	PTFE Key Stopcock	Size, mm	Bore, mm	Pack Size
15.501.0005	15.503.0005	12.5	2.5	10
15.501.0010	15.503.0010	14.5	2.5	10
15.501.0015	15.503.0015	15.8	4	10
15.501.0020	15.503.0020	18.8	6	10



## Stopcock, Straight, With Screw Type Needle Valve With PTFE Key (Rotaflo)

	Bore size mm	Pack Size
15.508.0005	0-3	10
15.508.0010	0-6	10



## Stopcock For Burette, With Solid Glass Key Size 12.5 Mm, Bore Size 2.5 mm

	Pack Size
15.510.0005	10



## Stopcock For Burette, With PTFE Key Size 12.5 Mm, Bore Size 2.5 mm

	Pack Size
15.515.0005	10



## Rotaflo Stopcock, 90°

	Bore size mm	Pack Size
15.520.0005	0-3	10
15.520.0010	0-6	10



## Detachable PTFE Key Stopcock, For Burette

	Pack Size
15.530.0005	10





# Sintered Glassware

[www.supertekglassware.com](http://www.supertekglassware.com)

# Sintered Glass

www.supertekglassware.com

## Sintered Glass Filter Disc

Used extensively for filtration of both liquids or gases. In four ranges as detailed below.

Porosity Grade	Pore Size	General Use
1	90-150	Coarse precipitate, filtration, gas dispersion, coarse grain material filtration.
2	40-90	Medium & crystalline precipitate filtration, medium filtration & washing of gases
3	15-40	Fine gas filtration and dispersion, mercury filtration, fine grain material filtration, collection of fine precipitates. Analytical work with medium precipitates.
4	5-15	Valves of mercury collection of very fine precipitates. Analytical work with fine precipitates.



## Crucible Gooch, With Sintered Disc

Grade 1	Grade 2	Grade 3	Grade 4 ml	Capacity, mm	Disc, Dia.	Pack Size
18.101.0005	18.101.0020	18.101.0035	18.101.0050	15	20	10
18.101.0010	18.101.0025	18.101.0040	18.101.0055	30	30	10
18.101.0015	18.101.0030	18.101.0045	18.101.0060	50	40	10

## Buchner Funnel, With Sintered Disc

Grade 1	Grade 2	Grade 3	Grade 4 ml	Capacity, mm	Disc, Dia.	Pack Size
18.104.0005	18.104.0040	18.104.0075	18.104.0110	35	30	2
18.104.0010	18.104.0045	18.104.0080	18.104.0115	80	40	2
18.104.0015	18.104.0050	18.104.0085	18.104.0120	100	50	2
18.104.0020	18.104.0055	18.104.0090	18.104.0125	200	65	1
18.104.0025	18.104.0060	18.104.0095	18.104.0130	500	90	1
18.104.0030	18.104.0065	18.104.0100	18.104.0135	1000	120	1
18.104.0035	18.104.0070	18.104.0105	18.104.0140	2000	120	1



### Buchner Funnel, With Sintered Disc, Cone On Stem

Grade 1	Grade 2	Grade 3	Grade 4	Capacity, ml	Disc, dia. mm	Cone	Pack Size
18.108.0005	18.108.0035	18.108.0065	18.108.0095	35	30	14/23	2
18.108.0010	18.108.0040	18.108.0070	18.108.0100	80	40	14/23	2
18.108.0015	18.108.0045	18.108.0075	18.108.0105	100	50	14/23	2
18.108.0020	18.108.0050	18.108.0080	18.108.0110	200	65	19/26	1
18.108.0025	18.108.0055	18.108.0085	18.108.0115	500	90	19/26	1
18.108.0030	18.108.0060	18.108.0090	18.108.0120	1000	120	24/29	1



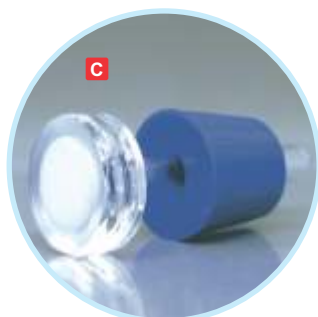
### Conical Filter, (hirsch Type) With Sintered Disc

Grade 1	Grade 2	Grade 3	Grade 4	Capacity, ml	Disc, Dia. mm	Pack Size
18.112.0005	18.112.0020	18.112.0035	18.112.0050	20	20	2
18.112.0010	18.112.0025	18.112.0040	18.112.0055	60	30	2
18.112.0015	18.112.0030	18.112.0045	18.112.0060	175	30	2



### Filtering Tube With Sintered Disc, Sealed In Center With Reduced Ends

Grade 1	Grade 2	Grade 3 mm	Grade 4	Disc, Dia.	Pack Size
18.120.0005	18.120.0030	18.120.0055	18.120.0080	30	2
18.120.0010	18.120.0035	18.120.0060	18.120.0085	40	2
18.120.0015	18.120.0040	18.120.0065	18.120.0090	50	2
18.120.0020	18.120.0045	18.120.0070	18.120.0095	65	2
18.120.0025	18.120.0050	18.120.0075	18.120.0100	90	2



### Glass Filter Holder With Silicon Stopper A

- \* Made of borosilicate 3.3 glass with fritted glass filter base
- \* The filtration base has a high quality silicon stopper
- \* Anodised aluminium spring clamp for good grip
- \* The filter size is 25mm & 47mm
- \* Facilitates analysis of particulate or biological contamination of vacuum filtering liquid
- \* The scaled funnels simplify dosing and analysis

	Membrane Dia. mm	Funnel Capacity, ml	Flask Capacity, ml	Pack Size
18.144.0125	25	15	125	1
18.144.1000	47	300	1000	1
18.144.2000	47	300	2000	1

### Spares For Glass Filter Holder With Silicon Stopper

	Capacity	Description
18.144.0125-1 <span style="color: red;">B</span>	15 ml	Funnel for 25 mm filter holder
18.144.0125-2 <span style="color: red;">D</span>	25 mm	Clamp for 25 mm filter holder
18.144.0125-3 <span style="color: red;">C</span>	25 mm	Fritted glass base with stopper for 25 mm filter holder
18.144.0125-4	125 ml	Flask for 25 mm filter holder
18.144.1000-1	300 ml	Funnel for 47 mm filter holder
18.144.1000-2	47 mm	Clamp for 47 mm filter holder
18.144.1000-3	47 mm	Fritted glass base with stopper for 47 mm filter holder
18.144.1000-4	1000 ml	Flask for 47 mm filter holder
18.144.2000-1	2000 ml	Flask for 47 mm filter holder

### All Glass Filter Holder - 47 mm, Filtration Assembly

- \* Made of borosilicate 3.3 glass with fritted glass filter base
- \* Anodised aluminium spring clamp
- \* The filter size is 47mm
- \* Used for filtration of HPLC solvents and aqueous mobile phase solutions and buffers
- \* The scaled funnels simplify dosing and analysis

	Membrane Dia. mm	Funnel Capacity, ml	Flask Capacity, ml	Pack Size
18.147.0500	47	300	500	1
18.147.1000	47	300	1000	1
18.147.2000	47	300	2000	1

### Spares For All Glass Filter Holder - 47 mm, Filtration Assembly

	Capacity	Description
18.147.0500-1	300 ml	Funnel for 47 mm filter holder
18.147.0500-2	47 mm	Clamp for 47 mm filter holder
18.147.0500-3	47 mm	Fritted glass base with joint for 47 mm filter holder
18.147.0500-4	500 ml	Flask for 47 mm filter holder
18.147.1000-4	1000 ml	Flask for 47 mm filter holder
18.147.2000-4	2000 ml	Flask for 47 mm filter holder

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### Gooch Crucible With Rubber Bung, Filtration Assembly

- \* Made of borosilicate 3.3 glass with fritted glass filter base
- \* Used for filtration of HPLC solvents and aqueous mobile phase solutions and buffers
- \* Sintered Gooch & parts available as per requirement

### Parts For Gooch Crucible With Rubber Bung, Filtration Assembly Crucible Gooch, With Sintered Disc

Grade 1	Grade 2	Grade 3	Grade 4 ml	Capacity, ml	Disc, Dia. mm
18.101.0005	18.101.0020	18.101.0035	18.101.0050	15	20
18.101.0010	18.101.0025	18.101.0040	18.101.0055	30	30
18.101.0015	18.101.0030	18.101.0045	18.101.0060	50	40

	Capacity	Description
18.149.0015-1	15ml	Rubber cone for mounting 15ml crucible into adapter
18.149.0030-1	30ml	Rubber cone for mounting 30ml crucible into adapter
18.149.0050-1	50ml	Rubber cone for mounting 50ml crucible into adapter
18.149.0015-2	15ml	Funnel for mounting 15ml crucible into adapter
18.149.0030-2	30ml	Funnel for mounting 30ml crucible into adapter
18.149.0050-2	50ml	Funnel for mounting 50ml crucible into adapter
18.149.0015-3	15ml	Rubber Cork for fitting 15ml funnel into Flask
18.149.0030-3	30ml	Rubber Cork for fitting 30ml funnel into Flask
18.149.0050-3	50ml	Rubber Cork for fitting 50ml funnel into Flask
18.149.0125	125ml	Filter Flask 125 ml
18.149.0250	250ml	Filter Flask 250 ml
18.149.0500	500ml	Filter Flask 500 ml
18.149.1000	1000ml	Filter Flask 1000 ml
18.149.2000	2000ml	Filter Flask 2000 ml





### Absorption Column Plain

Without Stopcock	Glass Stopcock	PTFE Needle Valve Stopcock	PTFE Key Stopcock	Effective Length, cm	Disc dia. mm	Pack Size
18.152.0005	18.156.0005	18.180.0005	18.176.0005	20	10	1
18.152.0010	18.156.0010	18.180.0010	18.176.0010	30	15	1
18.152.0015	18.156.0015	18.180.0015	18.176.0015	50	20	1
18.152.0020	18.156.0020	18.180.0020	18.176.0020	60	25	1
18.152.0025	18.156.0025	18.180.0025	18.176.0025	60	40	1



### Chromatography Column, With Integral Sintered Disc

Without Stopcock	PTFE Needle Valve	Glass Stopcock	PTFE Key Stopcock	Effective Length, cm	Disc Dia. mm	Pack Size
18.164.0005	18.160.0005	18.168.0005	18.172.0005	15	10	1
18.164.0010	18.160.0010	18.168.0010	18.172.0010	20	15	1
18.164.0015	18.160.0015	18.168.0015	18.172.0015	30	20	1
18.164.0020	18.160.0020	18.168.0020	18.172.0020	40	20	1
18.164.0025	18.160.0025	18.168.0025	18.172.0025	40	30	1
18.164.0030	18.160.0030	18.168.0030	18.172.0030	50	30	1
18.164.0035	18.160.0035	18.168.0035	18.172.0035	50	40	1
18.164.0040	18.160.0040	18.168.0040	18.172.0040	60	40	1

### Chromatography Column, With Integral Sintered Disc, Socket And Cone

	Bore mm	Effective Length, mm	Socket Size	Cone Size	Pack Size
18.184.0005	10	100	14/23	19/26	1
18.184.0010	10	200	14/23	19/26	1
18.184.0015	10	300	14/23	19/26	1
18.184.0020	18	200	14/23	19/26	1
18.184.0025	18	300	14/23	19/26	1
18.184.0030	18	300	24/29	19/26	1
18.184.0035	18	400	24/29	19/26	1
18.184.0040	18	400	24/29	24/29	1





# Bottles

# Bottles

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## Bottle, Reagent Interchangeable Glass/PP Stopper, Narrow Mouth, Clear

In conformity to DIN ISO 4796-2 Standard. Printed in white color.

- \* These narrow mouth reagent storage bottles have a sturdy ground neck
- \* All sizes have a enameled area for marking
- \* These bottles are strong and chemical resistant
- \* Supplied with solid glass stopper and PP stoppers As per requirement

Glass Stopper	Polypropylene Stopper	Capacity, ml	Socket	Pack Size
12.101.0050	12.102.0050	50	14/23	12
12.101.0100	12.102.0100	100	14/23	12
12.101.0250	12.102.0250	250	19/26	12
12.101.0500	12.102.0500	500	24/29	6
12.101.1000	12.102.1000	1000	29/32	4
12.101.2000	12.102.2000	2000	29/32	2



## Bottle, Reagent Interchangeable Glass/PP Stopper, Narrow Mouth, Amber.

In conformity to DIN ISO 4796-2 Standard. Printed in white color.

- \* These narrow mouth reagent storage bottles have a sturdy ground neck
- \* All sizes have a enameled area for marking
- \* These bottles are mechanically strong and chemical resistant
- \* The uniform Amber colour is highly durable and has high chemical resistance
- \* Ideal for use with light-sensitive media and for the long-term storage of substances
- \* Supplied with solid glass stopper and PP stopper As per requirement

Glass Stopper	Polypropylene Stopper	Capacity, ml	Socket	Pack Size
12.104.0050	12.105.0050	50	14/23	12
12.104.0100	12.105.0100	100	14/23	12
12.104.0250	12.105.0250	250	19/26	12
12.104.0500	12.105.0500	500	24/29	6
12.104.1000	12.105.1000	1000	29/32	4
12.104.2000	12.105.2000	2000	29/32	2



**Bottle, Reagent, With Screw Cap**

In conformity to DIN ISO 4796-1 Standard. Printed in white color.

- \* These bottles are mechanically strong and chemical resistant
- \* Provided with a pouring ring for drip-free operation
- \* The screw caps and pouring ring are made of PP
- \* The bottles, screw caps and pouring rings can be sterilized and autoclavable
- \* 100 ml to 2000 ml Bottles have uniform GL 45 thread



DIN ISO 4796-1

Clear Glass	Amber Glass	Capacity, ml	Pack Size
12.108.0010	12.112.0010	10	10
12.108.0025	12.112.0025	25	10
12.108.0050	12.112.0050	50	10
12.108.0100	12.112.0100	100	10
12.108.0250	12.112.0250	250	10
12.108.0500	12.112.0500	500	10
12.108.1000	12.112.1000	1000	6
12.108.2000	12.112.2000	2000	2
12.108.3000	12.112.3000	3000	1
12.108.5000	12.112.5000	5000	1
12.108.9910	12.112.9910	10000	1
12.108.9920	12.112.9920	20000	1

DIN ISO 4796-1



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**Bottle, Dropping Bottle With Rubber Teat, Dropping Pipette Ground Into Bottle Neck.**

Printed in white color.

- \* Made from 3.3 borosilicate glass
- \* Highly chemical resistance
- \* Supplied with interchangeable ground joint transparent pipette with rubber teat

Clear Glass	Amber Glass	Capacity, ml	Pack Size
12.116.0030	12.120.0030	30	12
12.116.0060	12.120.0060	60	12
12.116.0125	12.120.0125	125	12



**Bottle, Mc Cartney (Bijou) Narrow Mouth, Clear Neutral Glass, Autoclavable, With Aluminium Screw Cap And Rubber Liner.**



	Capacity, ml	Pack Size
12.124.0007	7	500
12.124.0014	14	400

**Bottle, Mc Cartney (Bijou) Universal, Wide Mouth, Clear Neutral Glass, Autoclavable, With Aluminium Cap And Rubber Washer**

	Capacity, ml	Pack Size
12.128.0028	28	400

Dish washer Durable Print



### Caps, PP Screw Cap with Pouring Ring for Laboratory Reagent Bottles

- \* Autoclavable upto 140°C
- \* Made of high grade polypropylene

Cat. No.	Colour	DIN Thread	Pack Size
12.103.0005	Blue	GL 45	10
12.103.0010	Orange	GL 45	10
12.103.0015	Yellow	GL 45	10
12.103.0020	Green	GL 45	10
12.103.0025	Grey	GL 45	10
12.103.0030	Blue	GL 25	10
12.103.0035	Blue	GL 32	10

### Bottle, Dropping Bottle With Rubber Teat, PP Stopper & Glass Dropper

- Made from 3.3 borosilicate glass
- Highly chemical resistance
- Supplied with polypropylene stopper, transparent pipette with rubber teat

Clear Glass	Amber Glass	Capacity	Pack Size
12.113.0030	12.114.0030	30	12
12.113.0060	12.114.0060	60	12
12.113.0125	12.114.0125	125	12



### Bottle, Dropping Bottle With Rubber Teat, PP Stopper & Graduated Glass Dropper

- Made from 3.3 borosilicate glass
- Highly chemical resistance
- Supplied with polypropylene stopper, transparent pipette with rubber teat  
Pipette is Graduated for easy estimation of volume

Clear Glass	Amber Glass	Capacity	Pack Size
12.118.0030	12.119.0030	30	12
12.118.0060	12.119.0060	60	12
12.118.0125	12.119.0125	125	12



### Bottles, Culture, Roux, Off-Set Neck

- Complies with IS 6942
- Designed to hold approximately half of the stated capacity of solution, when the Bottle is laid flat
- The offset neck is tool-finished for greater strength and uniform stopper fit
- These bottles facilitate the growing of mass cultures and single or monolayer cultures
- It withstands repeated sterilisation (wet or dry)

	Capacity	Pack size
12.122.1000	1000 ml	10



### Bottles, Solution, Plain, Tooled Neck

These bottles are mechanically strong and chemical resistant  
Bottles are specially designed for handling and safely storing culture media

- All sizes have a durable matt-finished enamelled area for marking

	Capacity	Approx Neck I.d.	Pack Size
12.129.0250	250	18	10
12.129.0500	500	23	10
12.129.1000	1000	28	6
12.129.2000	2000	33	2
12.129.3000	3000	44	1
12.129.5000	5000	44	1
12.129.9910	10000	54	1
12.129.9920	20000	54	1

### Pyknometer, Gay- Lussac (S.G. Bottle), Un Calibrated

In conformity to ISO 3507

- \* These bottles are mechanically strong and chemical resistant
- \* All sizes have a durable matt-finished enamelled area for marking
- \* Available with Glass & PTFE stoppers

PTFE Stopper	Glass Capillary Stopper	Capacity, ml	Pack Size
12.130.0010	12.131.0010	10	6
12.130.0025	12.131.0025	25	6
12.130.0050	12.131.0050	50	6
12.130.0100	12.131.0100	100	6

### Pyknometer, Gay- Lussac (S.G. Bottle), Calibrated

In conformity to ISO 3507

- \* These bottles are strong and chemical resistant
- \* All sizes have a durable matt-finished enamelled area for marking
- \* Available with Glass & PTFE stoppers

PTFE Stopper	Glass Capillary Stopper	Capacity, ml	Pack Size
12.132.0010	12.133.0010	10	6
12.132.0025	12.133.0025	25	6
12.132.0050	12.133.0050	50	6
12.132.0100	12.133.0100	100	6

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### Pyknometer With Ground-in Thermometer

- \* In Compliance to ISO 3507
- \* Labeling field for easy marking
- \* Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- \* Supplied with thermometer (0°C to 50°C)

Cat. No.	Capacity, ml	Pack Size
12.134.0010	10	6
12.134.0025	25	6
12.134.0050	50	6
12.134.0100	100	6

### Pyknometer With Ground-in Thermometer, Class A With Individual Works Certificate

- \* In Compliance to ISO 3507
- \* Labeling field for easy marking
- \* Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- \* Supplied with thermometer (0°C to 50°C)
- \* With thermometer certificate

Cat. No.	Capacity, ml	Pack Size
12.135.0010	10	6
12.135.0025	25	6
12.135.0050	50	6
12.135.0100	100	6



### Weighing Bottle, Tall Form

- \* These bottles are strong and chemical resistant
- \* Made of borosilicate glass 3.3

	Dia. x ht. mm	Capacity ml	Pack Size
12.140.2040	20 x 40	5	25
12.140.2565	25 x 65	15	25
12.140.3065	30 x 65	25	25
12.140.4090	40 x 90	60	12

### Weighing Bottle, Squat Form

	Dia. x ht. mm	Capacity ml	Pack Size
12.136.5035	50 x 35	20	12
12.136.6040	60 x 40	40	12



### Woulff Bottle, Two Necks

Printed in white color.

	Capacity, ml	Pack Size
12.144.0250	250	1
12.144.0500	500	1
12.144.1000	1000	1



### Woulff Bottle, Three Necks

Printed in white color.

	Capacity, ml	Pack Size
12.148.0250	250	1
12.148.0500	500	1
12.148.1000	1000	1

### Aspirator Bottle With GL 45 Screw Cap And Socket At Bottom

	Capacity, ml	Pack Size
12.153.0250	250	1
12.153.0500	500	1
12.153.1000	1000	1

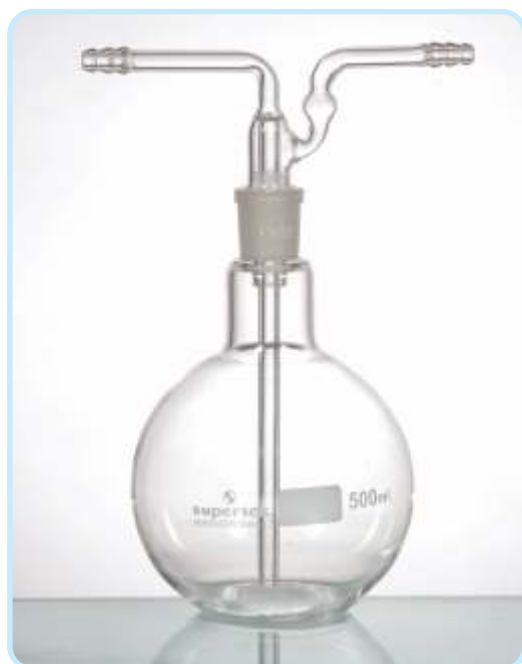




### Aspirator Bottle With GL 45 Screw Cap And Stopcock

Printed in white color.

	Capacity, ml	Pack Size
12.155.1000	1000	1
12.155.2000	2000	1
12.155.5000	5000	1



### Gas Washing Bottle - Flat Bottom Flask

With stopper and inlet & outlet glass tubes printed in white color.

- \* These bottles are mechanically strong and chemical resistant
- \* All sizes have a enameled area for marking

	Capacity, ml	Pack Size
12.164.0250	250	1
12.164.0500	500	1
12.164.1000	1000	1

### Gas Washing Bottle, Dreschel's

Inlet and outlet tubes in a stopper which fits the bottle having interchangeable 19/26 ground glass joint. Printed in white color.

- \* These bottles are strong and chemical resistant
- \* All sizes have a enameled area for marking

	Capacity, ml	Pack Size
12.168.0125	125	1
12.168.0250	250	1



### Bod Bottles

These bottles are used for determining oxygen demand in samples of sewage, Industrial waste, polluted water or any other sample, diluted samples are incubated in the bottles and analyzed. Its stoppers are designed to prevent air entrapment and flared mouth forms a water seal to prevent intrusion of air.

Supertek brand BOD bottles are manufactured from Boro 3.3 glass as per ASTM E-438 type 1, Class A standard.

These bottle have a large permanent marking space for labeling of bottle numbers.

### Bod Bottles

Printed in white color.

Pennyhead stopper	Robotic stopper	Capacity, ml	Pack Size
12.174.0060	12.172.0060	60	6
12.174.0300	12.172.0300	300	2

These bottles are unnumbered. if required bottles with sequence number can also be provided at extra cost.



  
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# Tubes

www.supertekglassware.com

Supertek brand Test tubes, Screw cap tubes is manufactured from Low-Expansion Boro 3.3 glass in conformance with ASTM E-438 TYPE 1 CLASS A glass & DIN ISO 3585. The test tubes are mechanically very strong, yet still retain good thermal shock resistance. These are printed in white enamel.

## Test Tube

Fire polished rim and uniform wall thickness

Conformity to ISO 4142

- \* Made of borosilicate 3.3 glass
- \* High thermal shock resistance & chemical attack resistance
- \* Available with & without rim
- \* Packed in breakage resistant special designed boxes.

With Rim.	Without rim	Nominal Size, mm	Pack Size
17.101.1075	17.104.1075	10 x 75	100
17.101.1275	17.104.1275	12 x 75	100
17.101.1010	17.104.1010	10 x 100	100
17.101.1210	17.104.1210	12 x 100	100
17.101.1610	17.104.1610	16 x 100	100
17.101.1512*	17.104.1512*	15 x 125	100
17.101.1612	17.104.1612	16 x 125	100
17.101.1515*	17.104.1515*	15 x 150	100
17.101.1615	17.104.1615	16 x 150	100
17.101.1815	17.104.1815	18 x 150	100
17.101.2510	17.104.2510	25 x 100	100
17.101.2015	17.104.2015	20 x 150	100
17.101.2515	17.104.2515	25 x 150	100
17.101.2520	17.104.2520	25 x 200	100
17.101.3220	17.104.3220	32 x 200	100
17.101.3820	17.104.3820	38 x 200	50

\*Non-ISO



## Test Tube - With Side Arm

\* Fire polished rim and uniform wall thickness

	Size, mm	Pack Size
17.108.1512	125 x 15	20
17.108.1815	150 x 18	20
17.108.2515	150 x 25	10

### Tube Flat Bottom With Rim

- \* Made of borosilicate glass, designed with a flat bottom
- \* High thermal shock resistance
- \* Used for pathological tests and disintegration apparatus

	Approx. O.D. x Length mm	Pack size
17.110.1813	18 x 138	100
17.110.1855	18 x 55	100
17.110.1411	14 x 110	100



### Culture Tube, Media - Round Bottom, With Screw Cap\*

- \* Made of borosilicate glass, designed with a round bottom
- \* Designed with special caps to facilitate handling and sealing
- \* The caps are available with PTFE liner & Rubber liner

With rubber liner	With Teflon Liner	Capacity, ml	Size mm	Pack Size
17.112.0005	17.113.0005	5	75 x 16	100
17.112.0010	17.113.0010	10	125 x 16	100
17.112.0030	17.113.0030	30	100 x 25	50
17.112.0060	17.113.0060	60	200 x 25	50

### Culture Tube, Media - Flat Bottom, With Screw Cap

With rubber liner	With Teflon Liner	Capacity, ml	Size mm	Pack Size
17.116.0005	17.117.0005	5	50 X 16	100
17.116.0015	17.117.0015	15	57 X 25	100
17.116.0030	17.117.0030	30	95 X 25	100



### Test Tube - With Socket, Plain

Glass Stopper	Polypropylene Stopper	Length x dia., mm	Socket	Pack Size
17.120.1210	17.121.1210	100 X 12	10/19	100
17.120.1512	17.121.1512	125 x 15	12/21	100
17.120.1815	17.121.1815	150 X 18	14/23	100
17.120.2515	17.121.2515	150 X 25	19/26	50
17.120.2520	17.121.2520	200 X 25	19/26	50
17.120.3220	17.121.3220	200 X 32	24/29	50
17.120.3820	17.121.3820	200 X 38	24/29	50

### Test Tube - With Socket, Graduated

Glass Stopper	Polypropylene Stopper	Size mm	Capacity, ml	Sub. Div., ml	Socket	Pack Size
17.124.0005	17.125.0005	100 X 12	5	0.1	10/19	100
17.124.0010	17.125.0010	125 x 16	10	0.1	12/21	100
17.124.0015	17.125.0015	150 x 22	25	0.5	19/26	50
17.124.0020	17.125.0020	200 x 25	50	1	19/26	50



### Tube, T Or Y Shape For Connection

T shape	Y shape	Diam.,mm	Pack Size
17.129.0007	17.130.0007	7	12
17.129.0010	17.130.0010	10	12
17.129.0012	17.130.0012	12	12

### Centrifuge Tube, Conical Bottom, Plain

Centrifuge tubes are thick-walled and resistant to mechanical stress

	Capacity, ml	Ht. x O.D.,mm	Pack Size
17.146.0005	3	76 x 10	100
17.146.0010	5	100 x 13	100
17.146.0015	10	110 x 15	100
17.146.0020	12	110 x 16	100
17.146.0025	15	120 x 17	100
17.146.0030	25	125 x 22	50
17.146.0037	50	135 x 30	50



### Centrifuge Tube, Conical Bottom, Graduated

Centrifuge tubes are thick-walled and resistant to mechanical stress

	Capacity, ml	Ht. x O.D.,mm	Pack Size
17.150.0005	5	100 x 13	100
17.150.0010	10	110 X 15	100
17.150.0015	15	120 x 17	100
17.150.0020	25	125 X 22	50
17.150.0025	50	125 X 28	50

### Centrifuge Tube, With Screw Cap, Plain

	Capacity, ml	Ht. x O.D., mm	Pack Size
17.154.0010	10	110 X 15	100
17.154.0015	15	120 X 17	100



### Centrifuge Tube, With Screw Cap, Graduated

	Capacity, ml	Ht. x O.D., mm	Pack Size
17.158.0010	10	110 X 15	100
17.158.0015	15	120 X 17	100



### Centrifuge Tube, Conical Bottom With Interchangeable Stopper

	Capacity, ml	Ht. x O.D., mm	Pack Size
17.162.0005	3	76 x 10	100
17.162.0010	5	100 x 13	100
17.162.0015	12	110 x 16	100
17.162.0020	15	120 x 17	100
17.162.0025	25	125 x 22	50



### Centrifuge Tube, Conical Bottom Graduated, With Interchangeable Stopper

	Capacity, ml	Ht. x O.D., mm	Pack Size
17.166.0005	3	76 x 10	100
17.166.0010	5	100 x 13	100
17.166.0015	12	110 x 16	100
17.166.0020	15	120 x 17	100
17.166.0025	25	125 x 22	50

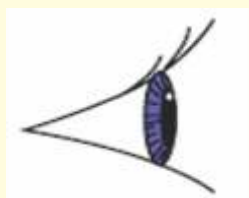


### Centrifuge Tube, Round Bottom Graduated

	Capacity, ml	Ht. x O.D., mm	Pack Size
17.170.0005	12	16 x 110	100
17.170.0010	30	24 x 110	50
17.170.0015	40	28 x 110	50
17.170.0020	50	30 x 110	50
17.170.0025	100	45 x 110	25
17.170.0030	200	55 x 116	25



## Care and Maintenance of Laboratory Glassware



### General Precautions

Any glassware, which is scratched, chipped or cracked is not to be used. Defects like these can seriously weaken the glass and made it prone to breakage in use.

- Do not lift or carry large glass flasks, beakers or bottles etc. by the neck or rim. This causes stress and can lead to breakage. Support the product from the base and sides.
- Never use excessive force to fit rubber bungs into the neck of glass aspirators, test tubes, conical flasks, etc. Take care to select the correct size.
- Never force rubber hoses or flexible tubing onto the glass side-arms of Buchner, filter flasks, wash bottle heads etc. Always lubricate the tubing and ease on gently whilst wearing protective gloves. (Most **Supertek** glassware avoids this problem with detachable plastic hose connectors).

*When treated with proper care, Supertek brand glassware will have a longer life and provide satisfactory service. To obtain maximum life and performance from your glassware, correct handling is essential. The following notes should serve as a guide to new users and to remind more experienced handlers of their commended standard operating procedures.*

- When stirring solutions in glass vessels, such as beakers and flasks, avoid using stirring rods with sharp ends which can scratch and weaken the glassware.
- Use of hydrofluoric acid, hot phosphoric acid and strong hot alkalis can cause corrosion and should be avoided.
- Do not mix concentrated sulphuric acid with water inside a glass measuring cylinder. The heat of reaction can break the seal at the base of the cylinder.
- Wash glassware promptly after use to avoid hard dried residues. Use a biodegradable, phosphate free detergent specially formulated for laboratory use.
- Do not use cleaning brushes which are badly worn and where the metal spine may scratch the glass.

### Heating and Cooling

The maximum recommended working temperature for glassware is 500°C (for short periods only). However, once the temperature exceeds 150°C extra special care should be taken to ensure that heating and cooling is achieved in a slow and uniform manner.

- Never heat glassware that is scratched, chipped, cracked or etched. Such defects reduce the thermal strength, making the glassware more prone to breakage.
- Do heat vessels gently and gradually to avoid breakage by thermal shock. Similarly, allow hot glassware to cool gradually and in a location away from cold draughts.



If using a hotplate, ensure that the top plate is larger than the base of the vessel to be heated. Also, never put cold glassware onto a hotplate which is already well heated. Warm up gradually from ambient temperature.

- If using a Bunsen burner, employ a soft flame and use a wire gauze with ceramic centre to diffuse the flame
- **Supertek** borosilicate glass is microwave safe. However, as with any microwave Vessel, be sure it holds a microwave absorbing material, such as water, before placing in the oven.



- When autoclaving **Supertek** containers, e.g. bottles, with screwcaps - always slacken off the caps. Autoclaving with tightly screwed caps can result in pressure differences and consequent breakage.

### Preparation of Media

Take great care when heating liquids that have a HIGH VISCOSITY. Viscous liquids can act as thermal insulators and can cause 'hot spots' or even thermal breakage of the glassware. This is particularly important with MEDIA SOLUTIONS as the viscosity usually increases considerably during preparation.

- Do regularly stir the solution to assist even distribution of heat. If using a magnetic stirrer set the speed to ensure adequate agitation of the whole liquid.
- Check the stirring action regularly to ensure that thorough agitation is maintained.
- Heat vessels gradually and avoid very rapid boil-up rates.
- For personal safety, consider sitting the hotplate in a tray. This will help contain the liquid in the event of breakage.

### Vacuum and Pressure Use

Because working conditions can vary enormously, **Supertek** cannot guarantee any glassware against breakage when used under vacuum or pressure.

- The application of positive pressures in side glass apparatus is particularly hazardous and should be avoided if at all possible. Safety precautions should always be taken to protect personnel and a number of these are listed below:



- Always use an adequate safety screen and / or protective cage.
- Do not use flat bottomed vessels such as Erlenmeyer flasks and bottles under vacuum as they are likely to implode. Exceptions are vessels with specially thick-ened walls such as Buchner filter flasks and desiccators.
- Avoid stress caused by over-tightening clamps. Support glassware gently where possible.

Never subject glassware to sudden pressure changes. Always apply and release pressure gradients and vacuums gradually.

### Ground Glass Joints

Lubricate the ground surfaces of joints to prevent leakage in use and facilitate separation . Use a silicone-free laboratory grease and apply a light coat completely around the upper part of the joint Alternatively, consider joint sleeves which can be fitted between the cone and socket.

- If ground glass joints do seize, then the following remedies can be considered;
- Always wear thick protective gloves and safety spectacles. Never use force.

- Carefully rock the cone in its socket to achieve separation.
- If the joint is 'dry', try to provide lubrication. Hold the joint upright and add penetrating oil to the top of the cone. Wait until the penetrating oil is well into the joint before trying to separate.
- If the use of temperature is permissible, e.g. no volatile liquids present, then warm the outer socket under a running stream of hot water from the tap. Hold under the tap for a few minutes before trying to separate.

### Sintered Glassware

New apparatus having sintered glass discs should be washed before use to remove loose particles of dust etc. Wash through with hot dilute hydrochloric acid followed by a thorough rinse with water.

- Do ensure that the porosity of the sintered disc is appropriate for the application.

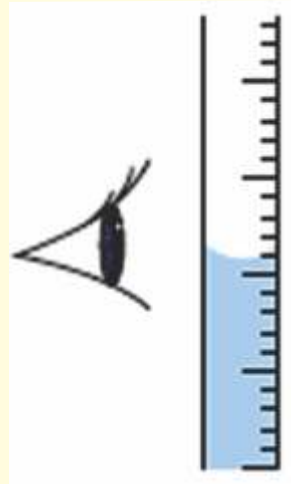


- Never subject sintered glassware to differential pressures exceeding  $100\text{kN/m}^2$  (1 bar).
- Take extra care when heating sintered ware as the thermal endurance is less than standard borosilicate glass products. Always heat and cool very gradually.

### Volumetric Glassware

Do ensure that all volumetric glassware is kept scrupulously clean. Dirt, and especially grease, can distort the shape of the meniscus and also cause droplets of liquid to adhere to the vessel walls. Both seriously impair accuracy. Good cleanliness is indicated by uniform wetting of the glass surface with distilled water)

- Do not expose volumetric glassware to direct heat e.g. hotplates, bunsen flame.
- Autoclaving at  $121^\circ\text{C}$  and cleaning in automatic dishwasher is acceptable and will not affect the accuracy of **Supertek** glassware
- Never pipette by mouth. Always use a purpose designed pipette filler.
- All items should be held in a vertical position when reading the meniscus. The meniscus should be at eye.



As with all glassware scratched or chipped items should not be used.

**This information is provided in good faith by Supertek for the safety of its customers. Please note that the advice given is for general laboratory applications and may not necessarily apply to all tests or procedures. If you are in any doubt, contact the Supertek Technical Services Department for specific advice at [info@shivsons.com](mailto:info@shivsons.com)**

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## Technical Data

**supertek** Laboratory Glassware is made of Heat resistant Borosilicate 3.3 Glass, unless otherwise specified. It is suitable for use in laboratories as well as industrial application.

### CHEMICAL COMPOSITION

	Approx % by weight
SiO <sub>2</sub>	81
B <sub>2</sub> O <sub>3</sub>	13
Na <sub>2</sub> O/K <sub>2</sub> O	4
Al <sub>2</sub> O <sub>3</sub>	2

### THERMAL PROPERTIES

The typical thermal properties of supertek glassware are given below:

Coefficient of Linear Expansion	32.5 x 10 <sup>-7</sup> /°C
Strain Point	515°C
Annealing Point	565°C
Softening Point	820°C
Specific Heat	0.2
Thermal Conductivity (Cal/cm <sup>3</sup> °C/sec)	0.0027

### CHEMICAL DURABILITY

Glassware is resistant to water, neutral and acid solutions, concentrated acids and their mixtures as well as to chlorine, bromine, iodine and organic matters. Only hydrofluoric acid, very hot phosphoric acid and alkaline solutions increasingly attack the glass surface with rising concentration and temperature.

# Terms And Conditions

- All correspondence should be addressed to our corporate office at following address  
[Shiv Dial Sud & Sons](#)  
23, Industrial Estate Ambala Cantt. 133 006 INDIA  
Tel: +91-171-2699297, 2699537, 2699903  
Mail: [info@shivsons.com](mailto:info@shivsons.com)
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## Shiv Dial Sud & Sons

23, Industrial Estate, Ambala Cantt. 133 006 (INDIA)

Tel : +91-171-2699297, 2699537, 2699903

E-mail: [info@shivsons.com](mailto:info@shivsons.com)

[www.supertekglassware.com](http://www.supertekglassware.com)

[www.shivsons.com](http://www.shivsons.com)