supertek®
Serving Science Since 1943

Laboratory Glassware & Essentials

8 Decades
SERVING SCIENCE SINCE 1943

ISO 9001:2015 CERTIFIED COMPANY
ISO 17025:2005 ACCREDITED CALIBRATION LAB

Our Presence

supertek®

Serving 80 countries Worldwide

Supertek has presence in 80 countries in the world.

supertek®

Shiv Dial Sud & Sons
Corporate Profile

Founded in 1943, **SHIV DIAL SUD & SONS** are universally recognized as a leading and reliable Manufacturer and Exporter of Laboratory Glassware, Plasticware, Lab Equipment, Instruments & Filter Papers for use in Education, Research, Health-care & Industry. We export to more than Seventy-five countries across all continents and have been awarded by Government of India for our outstanding exports on a number of occasions.

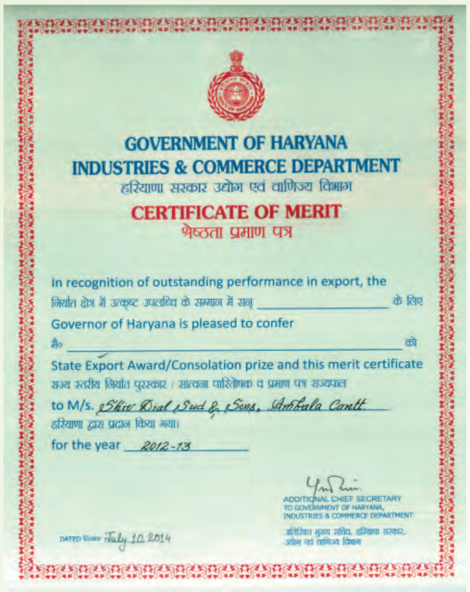
Our commitment to provide highest precision products has resulted in our brand **"supertek®"** becoming synonymous with Reliability, Trust & Quality – values that also characterize our corporate philosophy.
Our management consists of Engineers and Scientists, having combined experience exceeding 75 years and a team dedicated to produce high quality products with latest technologies. Our prices remain highly competitive, thus allowing our customers to manage their budgets efficiently. We do provide customized solutions as per client's specific requirements as well.

With five manufacturing units spread over an area of more than 100,000 sq. ft and a well-trained highly skilled work force, delivering quality products is our priority. Our infrastructure consists of latest CNC's & VMC's, Automats and conventional machinery for standardized production. Our product range includes Teaching Aids, Laboratory Glassware and Laboratory Essentials. Well scripted business processes, periodic inspections and audits and single-minded focus of Quality, makes our products the right choice for our customers across the world. This catalogue contains our Laboratory Glassware, Lab Equipment, Filter Paper, Plasticware & Lab Essentials product range. Catalogues for Physics & Chemistry and other Laboratory Glassware & Essentials are available separately.

"supertek®" ventured into fabrication of laboratory glassware with a vision to provide superior quality glassware at the right prices. Our products are made according to International Standards such as ISO, DIN & ASTM and are manufactured in our state-of-the-art plant by highly skilled work force. A 20,000 sq. ft facility houses latest machinery for fabrication of Laboratory Glassware, Automatic Volumetric Calibration Units to guarantee highest precision, Lehr Conveyer Furnace to ensure proper annealing, Precision Equipment to test Glass Strain, Automatic Test Tube making machine to provide consistent quality, Printing Machines for clear & long-lasting printing on glassware and many semi-automatic glass blowing machines for mass production.

Every **"supertek®"** product undergoes several Quality Checks and is packed and shipped with utmost care. Our large Warehouse allows us to maintain adequate inventory of raw and finished goods and enables us to meet your requirements in shortest possible lead time. In addition, our Distributor Network across the country ensures consistent availability of our products near to you.
"supertek®" is committed to deliver High Quality Products, at competitive prices always.

Achievements



GOVERNMENT OF HARYANA
INDUSTRIES & COMMERCE DEPARTMENT
हरियाणा सरकार उद्योग एवं वाणिज्य विभाग

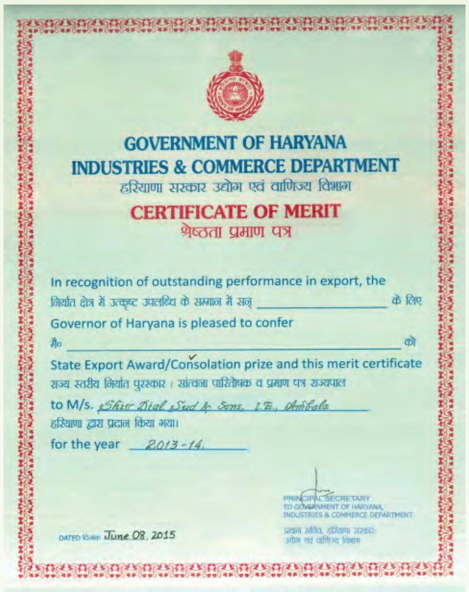
CERTIFICATE OF MERIT
श्रेष्ठता प्रमाण पत्र

In recognition of outstanding performance in export, the
निर्यात क्षेत्र में उत्कृष्ट उपलब्धि के सम्मान में सन् ________ के लिए
Governor of Haryana is pleased to confer
मै० ________ को
State Export Award/Consolation prize and this merit certificate
राज्य स्तरीय निर्यात पुरस्कार / सांत्वना पारितोषक व प्रमाण पत्र राज्यपाल
to M/s. Shiv Dial Sud & Sons, Ambala Cantt.
हरियाणा द्वारा प्रदान किया गया।
for the year 2012-13

ADDITIONAL CHIEF SECRETARY
TO GOVERNMENT OF HARYANA,
INDUSTRIES & COMMERCE DEPARTMENT
अतिरिक्त मुख्य सचिव, हरियाणा सरकार,
उद्योग एवं वाणिज्य विभाग

DATED दिनांक July 10, 2014

2013



GOVERNMENT OF HARYANA
INDUSTRIES & COMMERCE DEPARTMENT
हरियाणा सरकार उद्योग एवं वाणिज्य विभाग

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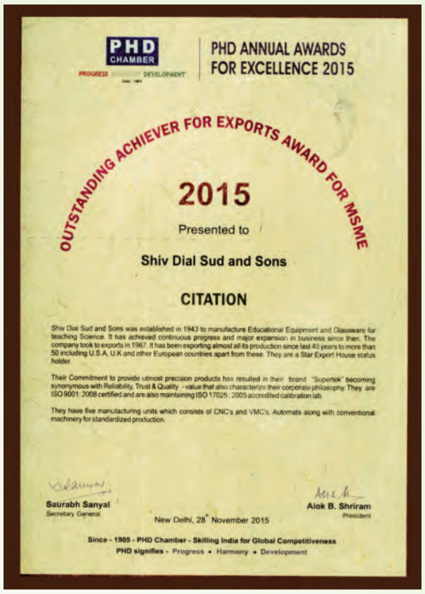
to M/s. Shiv Dial Sud & Sons, I.E., Ambala
हरियाणा द्वारा प्रदान किया गया।
for the year 2013-14.

PRINCIPAL SECRETARY
TO GOVERNMENT OF HARYANA,
INDUSTRIES & COMMERCE DEPARTMENT
प्रधान सचिव, हरियाणा सरकार,
उद्योग एवं वाणिज्य विभाग

DATED दिनांक June 08, 2015

2014



PHD CHAMBER
PROGRESS HARMONY DEVELOPMENT

PHD ANNUAL AWARDS
FOR EXCELLENCE 2015

OUTSTANDING ACHIEVER FOR EXPORTS AWARD FOR MSME

2015

Presented to

Shiv Dial Sud and Sons

CITATION

Shiv Dial Sud and Sons was established in 1943 to manufacture Educational Equipment and Glassware for teaching Science. It has achieved continuous progress and major expansion in business since then. The company took to exports in 1967. It has been exporting almost all its production since last 40 years to more than 50 including U.S.A, U.K and other European countries apart from these. They are a Star Export House status holder.

Their Commitment to provide utmost precision products has resulted in their brand "Supertek" becoming synonymous with Reliability, Trust & Quality - value that also characterize their corporate philosophy. They are ISO 9001: 2008 certified and are also maintaining ISO 17025 : 2005 accredited calibration lab.

They have five manufacturing units which consists of CNC's and VMC's, Automats along with conventional machinery for standardized production.

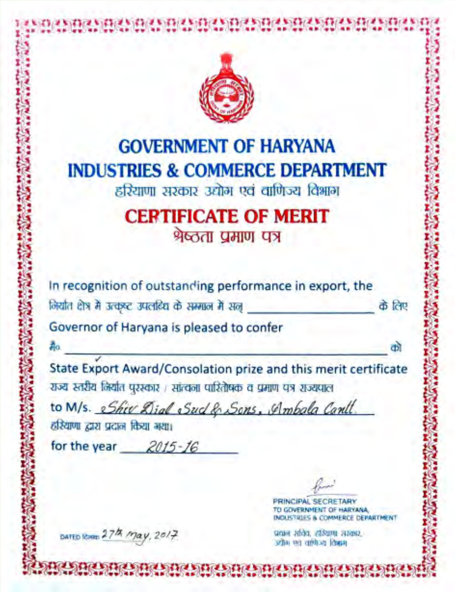
Saurabh Sanyal
Secretary General

Alok B. Shriram
President

New Delhi, 28th November 2015

Since - 1905 - PHD Chamber - Skilling India for Global Competitiveness
PHD signifies - Progress • Harmony • Development

2015



GOVERNMENT OF HARYANA
INDUSTRIES & COMMERCE DEPARTMENT
हरियाणा सरकार उद्योग एवं वाणिज्य विभाग

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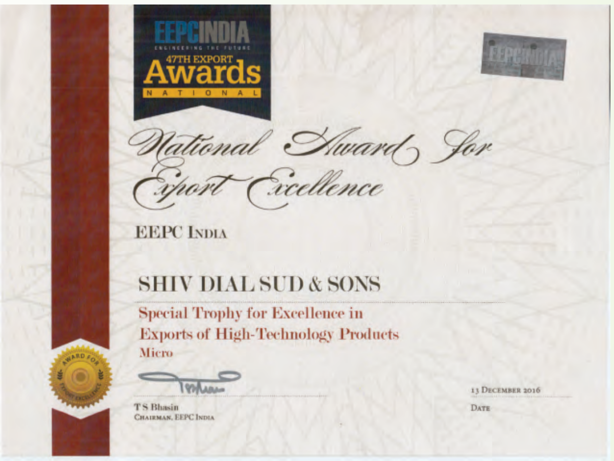
to M/s. Shiv Dial Sud & Sons, Ambala Cantt.
हरियाणा द्वारा प्रदान किया गया।
for the year 2015-16

PRINCIPAL SECRETARY
TO GOVERNMENT OF HARYANA,
INDUSTRIES & COMMERCE DEPARTMENT
प्रधान सचिव, हरियाणा सरकार,
उद्योग एवं वाणिज्य विभाग

DATED दिनांक 27th May, 2017

2016

PHD CHAMBER
Outstanding Achiever for Exports Award for MSME
Shiv Dial Sud and Sons



EEPCINDIA
ENGINEERING THE FUTURE
47TH EXPORT Awards
NATIONAL

National Award for Export Excellence

EEPC India

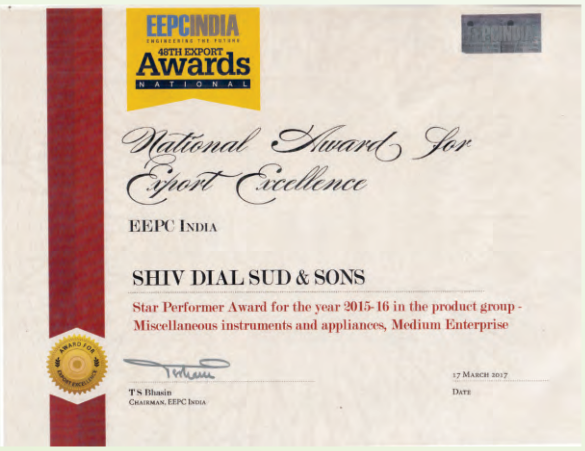
SHIV DIAL SUD & SONS

Special Trophy for Excellence in
Exports of High-Technology Products
Micro

T S Bhasin
Chairman, EEPC India

13 December 2016
Date

2016



EEPCINDIA
ENGINEERING THE FUTURE
48TH EXPORT Awards
NATIONAL

National Award for Export Excellence

EEPC India

SHIV DIAL SUD & SONS

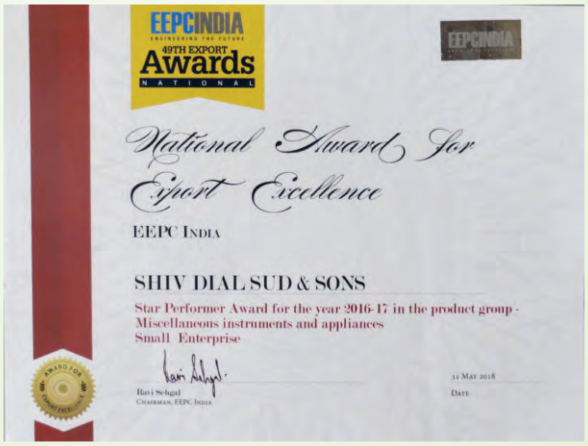
Star Performer Award for the year 2015-16 in the product group -
Miscellaneous instruments and appliances, Medium Enterprise

T S Bhasin
Chairman, EEPC India

17 March 2017
Date

2017

EEPCINDIA
EEPCINDIA
ENGINEERING THE FUTURE
SHIV DIAL SUD & SONS
Special Trophy for Excellence in Exports of High-Technology Products
MICRO ENTERPRISE



EEPCINDIA
ENGINEERING THE FUTURE
49TH EXPORT Awards
NATIONAL

National Award for Export Excellence

EEPC India

SHIV DIAL SUD & SONS

Star Performer Award for the year 2016-17 in the product group -
Miscellaneous instruments and appliances
Small Enterprise

Ravi Sehgal
Ravi Sehgal
Chairman, EEPC India

31 May 2018
Date

2018

supertek®

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

supertek
333
333

IV

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

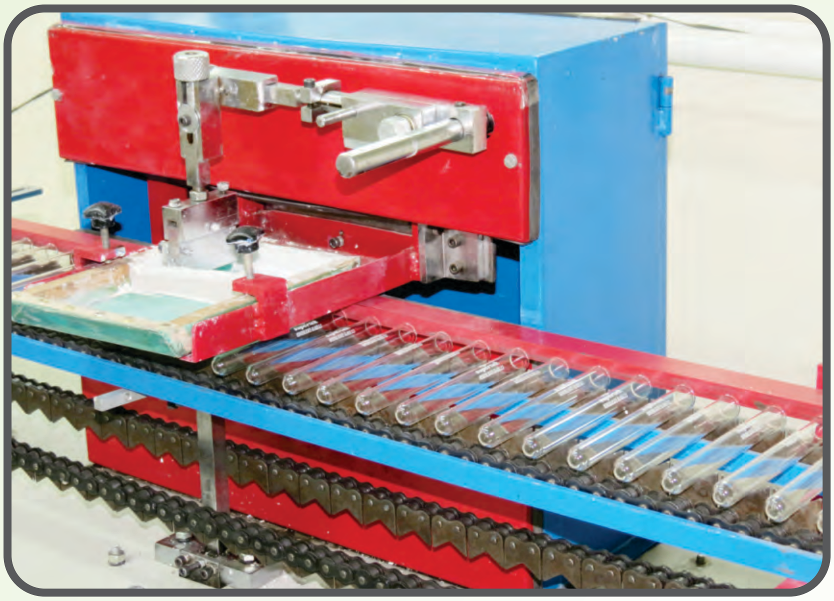
Standardized products are produced using Low expansion Boro 3.3 Glass as per ISO 3585 and ASTM E-438 TYPE 1 CLASS A. The raw material is sourced from reputed suppliers all over the world. We are sufficiently stocked with raw material at any given time.

BOROSILICATE GLASS 3.3
BOROSILICATE GLASS 3.3
BOROSILICATE GLASS 3.3

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

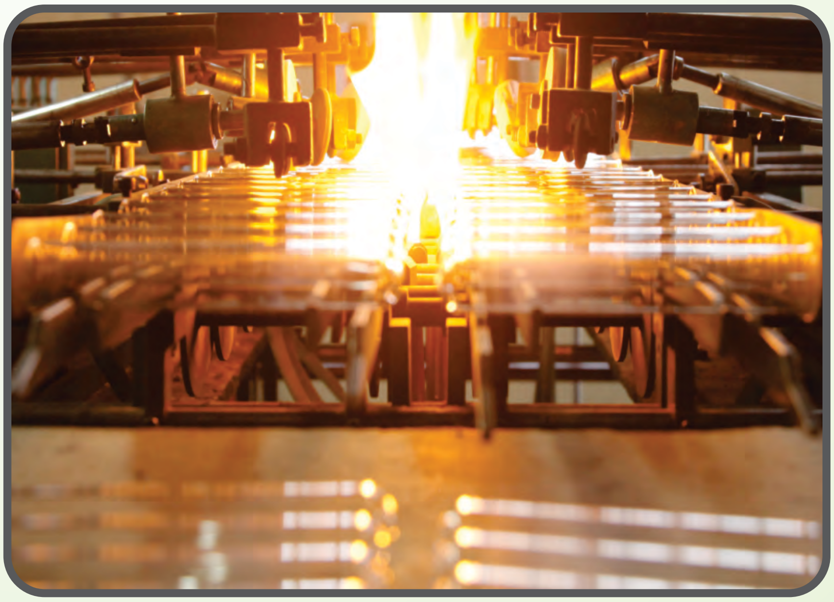
All products manufactured by **“supertek®”** are annealed in Lehr conveyer furnace for producing strain free final products. Products are heated to precise annealing temperature and slowly cooled for a predefined period to ensure removal of all kinds of thermal stress and minimize chances of physical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

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



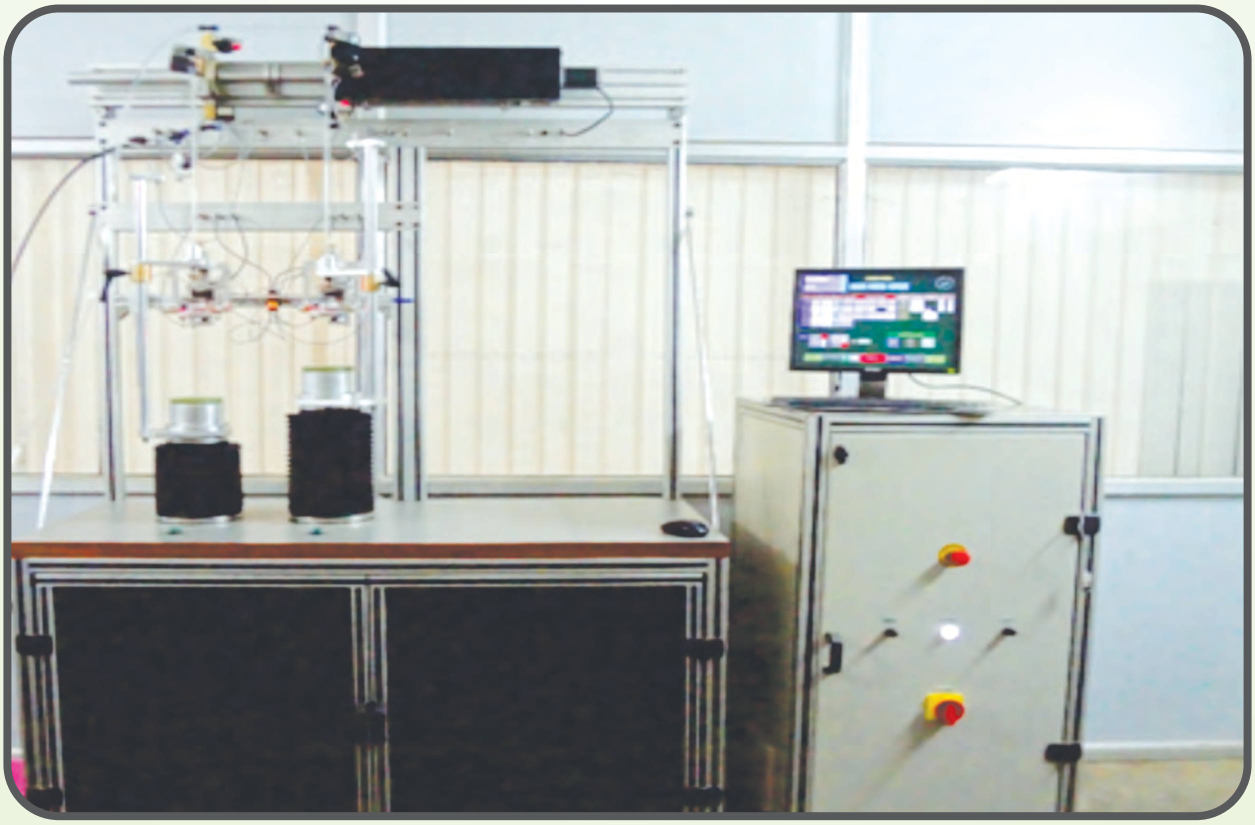
Delivering High volume products on time requires specialized equipment. Automatic printing machines are employed to handle production quantity of products with huge volume.

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



Volumetric Calibration

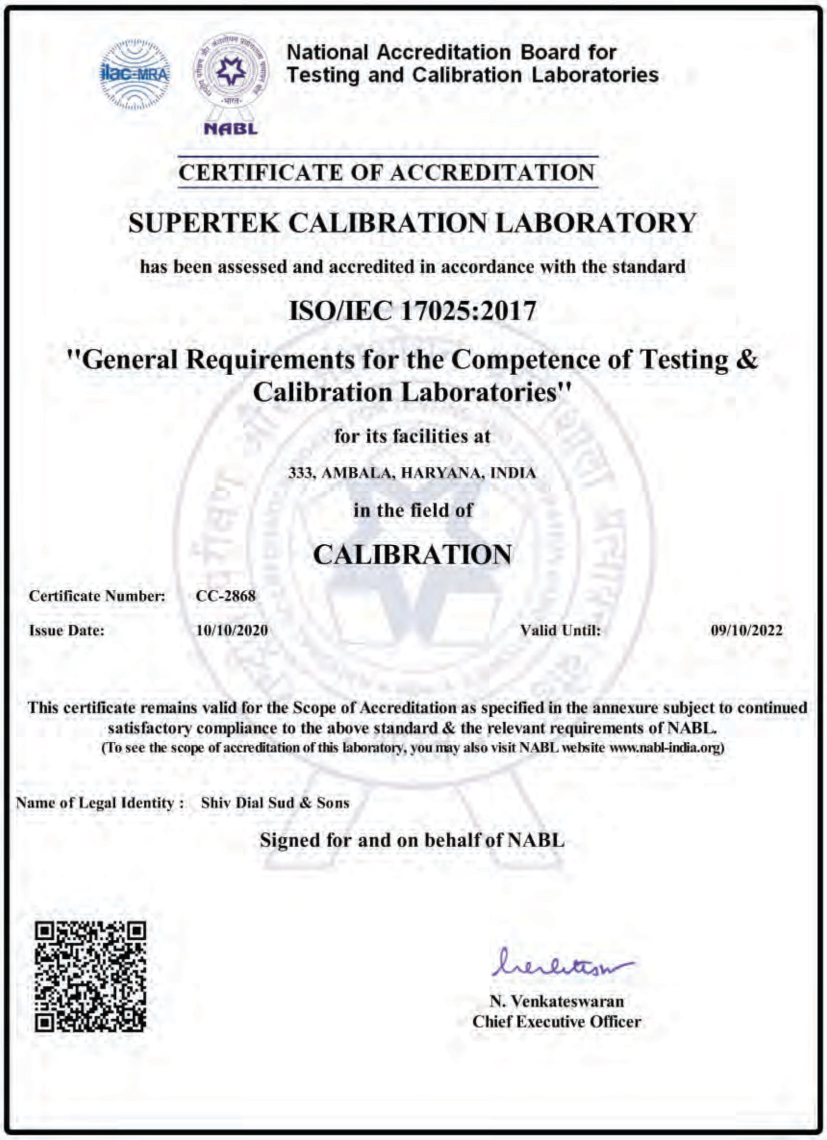
"supertek®" brand volumetric products are precisely calibrated in controlled environment on state of the art Automatic Calibrated Machines and highly accurate Balances. These machines are tuned to deliver products with highest possible accuracy. These machines work with temperature control equipment 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.



VIII

ISO 17025:2017 Certificate

“supertek®” Calibration Laboratory has undertaken accreditation for calibration and testing as per IS0 17025:2017 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.



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

SUPERTEK CALIBRATION LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

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

for its facilities at

333, AMBALA, HARYANA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2868

Issue Date: 10/10/2020 **Valid Until:** 09/10/2022

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

Name of Legal Identity : Shiv Dial Sud & Sons

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

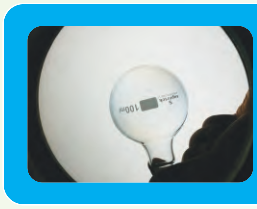
List of such accreditation bodies worldwide is given on the next page.

Quality Checks

S
pertek
DIN
B
± 0.200
100ml

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

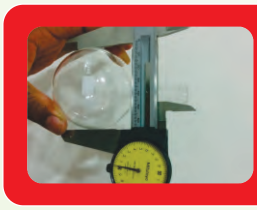
Optical clarity of all the products manufactured is checked to ensure only clear glass products are supplied to all our users.

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.

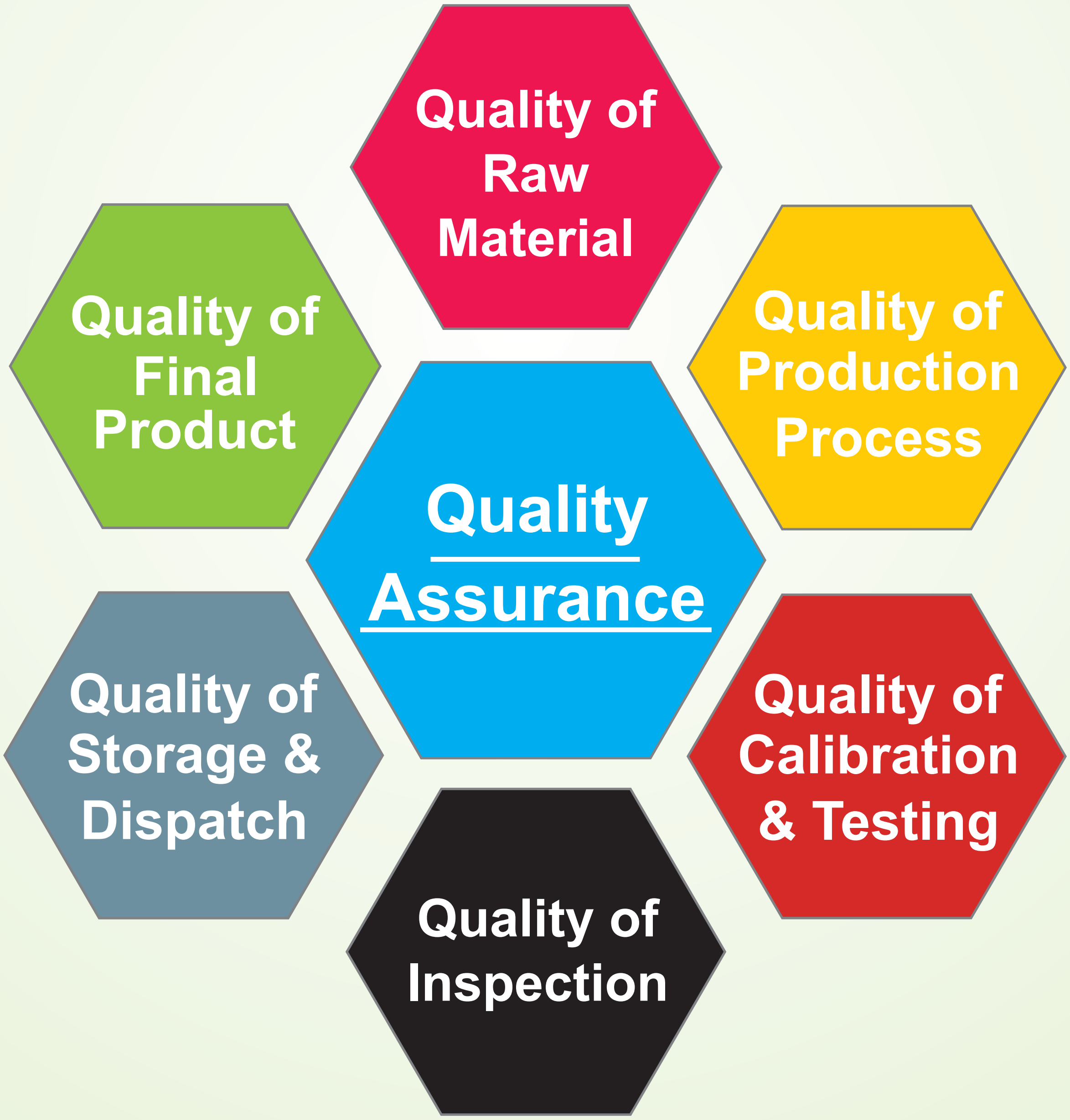
Calibration Check

All Volumetric glassware are checked at our IS0 17025 certified Calibration Lab for accuracy

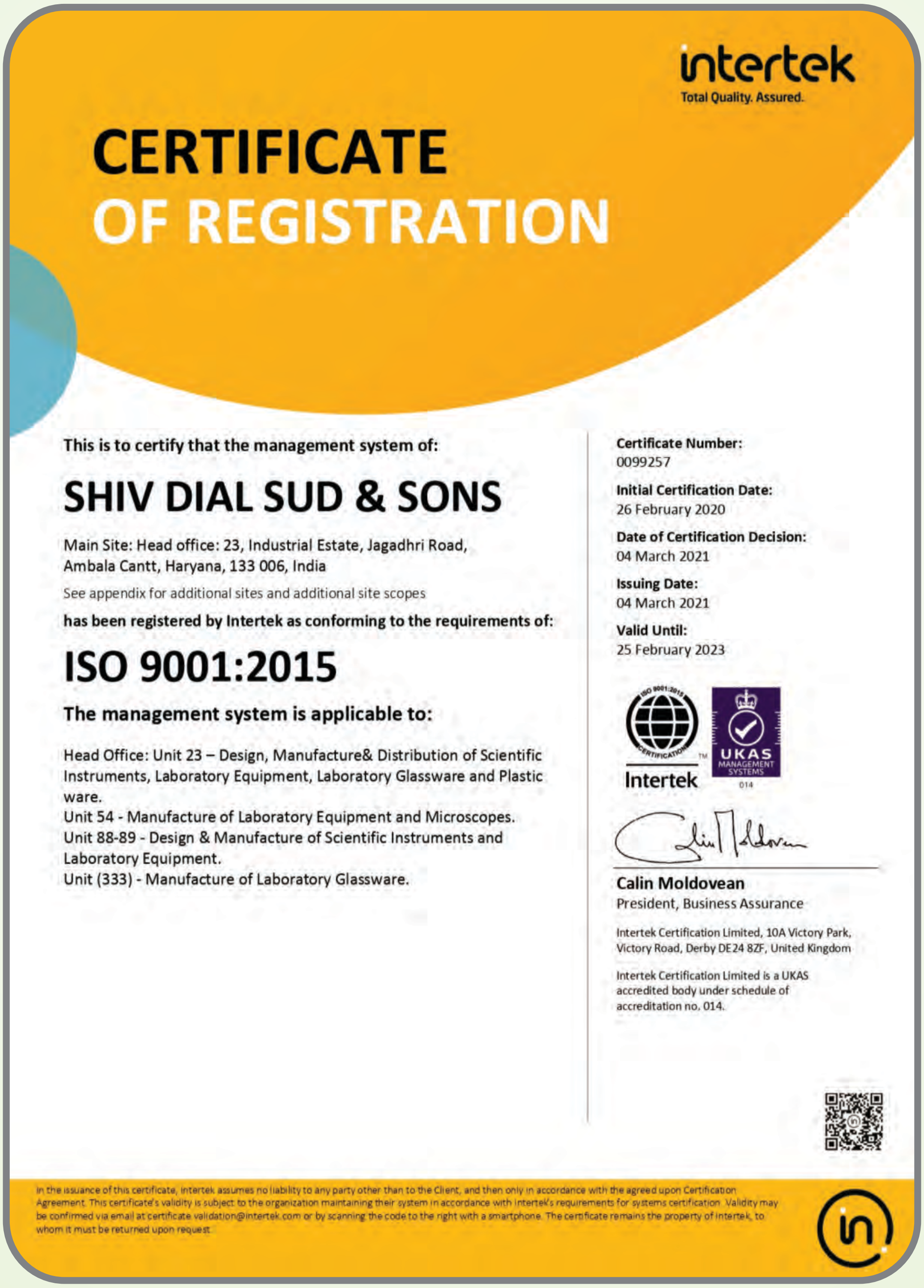
X

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 & IS017025 standard.


Quality of Raw Material
Quality of Final Product
Quality of Production Process
Quality Assurance
Quality of Storage & Dispatch
Quality of Calibration & Testing
Quality of Inspection

ISO 9001:2015 Certificate



intertek
Total Quality. Assured.

CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

SHIV DIAL SUD & SONS

Main Site: Head office: 23, Industrial Estate, Jagadhri Road,
Ambala Cantt, Haryana, 133 006, India

See appendix for additional sites and additional site scopes

has been registered by Intertek as conforming to the requirements of:

ISO 9001:2015

The management system is applicable to:

Head Office: Unit 23 – Design, Manufacture& Distribution of Scientific Instruments, Laboratory Equipment, Laboratory Glassware and Plastic ware.
Unit 54 - Manufacture of Laboratory Equipment and Microscopes.
Unit 88-89 - Design & Manufacture of Scientific Instruments and Laboratory Equipment.
Unit (333) - Manufacture of Laboratory Glassware.

Certificate Number:
0099257

Initial Certification Date:
26 February 2020

Date of Certification Decision:
04 March 2021

Issuing Date:
04 March 2021

Valid Until:
25 February 2023

Intertek
UKAS MANAGEMENT SYSTEMS 014

Calin Moldovean
President, Business Assurance

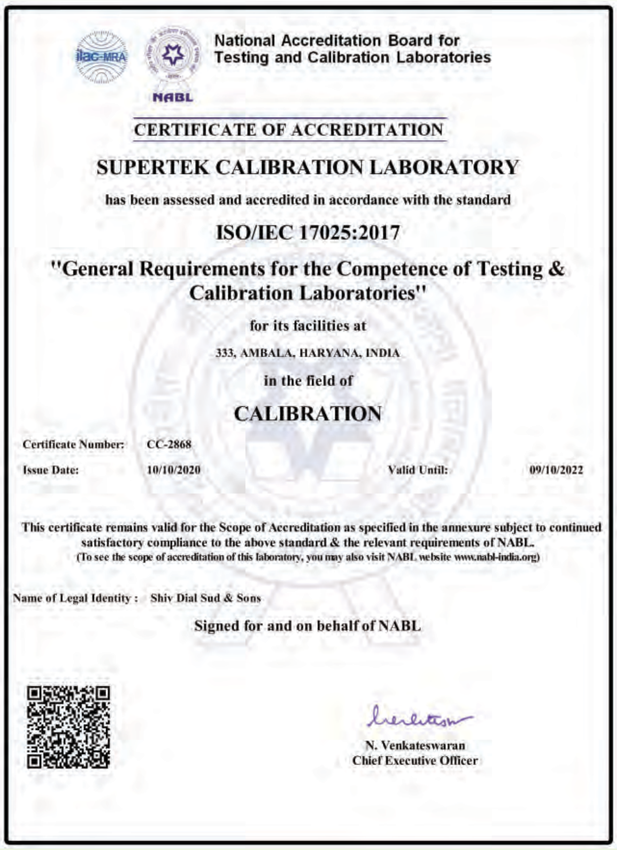
Intertek Certification Limited, 10A Victory Park,
Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS accredited body under schedule of accreditation no. 014.

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at certificate.validation@intertek.com or by scanning the code to the right with a smartphone. The certificate remains the property of Intertek, to whom it must be returned upon request.

“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.



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Name of Legal Identity : Shiv Dial Sud & Sons

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

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. The certificate are available online.

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., Certificate for same is provided with the product & is also available online.

Batch No.
01-09

Shiv Dial Sud & Sons, INDIA

CALIBRATION CERTIFICATE supertek

Batch Certificate

Certificate No.
C-1108

Shiv Dial Sud & Sons, INDIA

CALIBRATION CERTIFICATE supertek

Individual Certificate

Individual No.
01-09-547

Shiv Dial Sud & Sons, INDIA

CALIBRATION CERTIFICATE supertek

Individual Certificate

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_2	81
B_2O_2	13
$Na_2O/K_2)$	4
Al_2O_3	2

THERMAL PROPERTIES

The typical thermal properties of supertek glassware are given below:

Coefficient of Linear Expansion	32.5 x 10-7/ °C
Strain Point	515 °C
Annealing Point	565 °C
Softening Point	820 °C
Specific Heat	0.2
Thermal Conductivity (Cal/cm3 °C/sec)	0.0027

CHEMICAL DUABILITY

Glassware is resistant to water, netural 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.

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XVI

supertek®

supertek
250 : 2.0
ISO 4788
TC 20°C
A±1.0
ml
Borosilicate
supertek
50 : 1.0
USP
TC 20°C
A±0.25
ml
supertek
50 : 1.0
ASTM
TD20°C
± 0.120
USP
A
250ml
DIN
100ml
± 0.200
DIN
B
100ml

Volumetric Glassware

www.shivsons.com

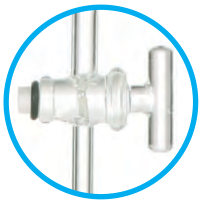
Burettes

Wide range for critical and routine titration

supertek® Burettes are manufactured from low expansion 3.3 Borosilicate glass. A burette is a volumetric measuring glassware which is used in analytical chemistry for accurate dispensing of a liquid. Burette is an essential laboratory apparatus, commonly used in the titration process for quantitative analysis in many industrial chemical tests, where solutions of known concentration are used to find the concentration of unknown solution.

supertek® Burettes come with four different types of stopcocks

Glass Key



Glass Screw Cap

PTFE Needle (Rotaflo)

PTFE Key

Special features of supertek® certified glassware

- Conforming international specification ISO and ASTM
- Individually calibrated and certified (A class only)
- Multiple sizes & grades
- Complete traceability

Marking of Burettes

supertek® ← Supertek Brand
ISO/385 ← ISO Standard
Capacity → 50:0.1 ← Sub Division
Class → A
To Deliver → Ex
Calibration Temp. → 20°C
±0.05 ml ← Tolerance
02.22 ← Batch No
1020 ← Individual No

ISO DIN ASTM

Our Printing Criteria	
ISO Class A	Blue printing
ISO Class B	Blue printing
Amber Glass	White printing

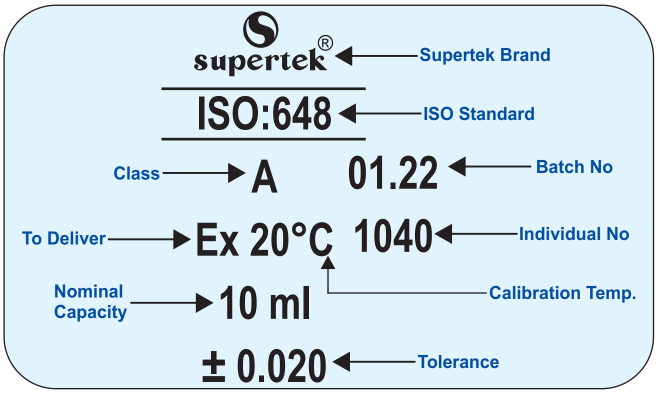
Right mix of quality and efficiency

Pipettes

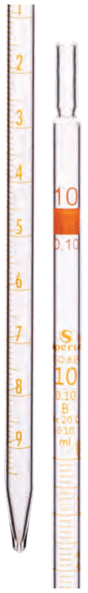
Playing a key role in every laboratory

Pipettes are widely used to transfer and dispense fixed amounts of liquids. **supertek®** Pipettes come in many different varieties and each variety is targeted to specific use in the Laboratory. Two of the most common types of pipettes are Volumetric and Graduated pipettes, both of which can be found in most laboratories and research facilities. However, there are significant differences in them and each type of pipette is built with distinct advantages and disadvantages making it essential to understand the functions of each one before use.
Each product is color coded to facilitate easy identification.

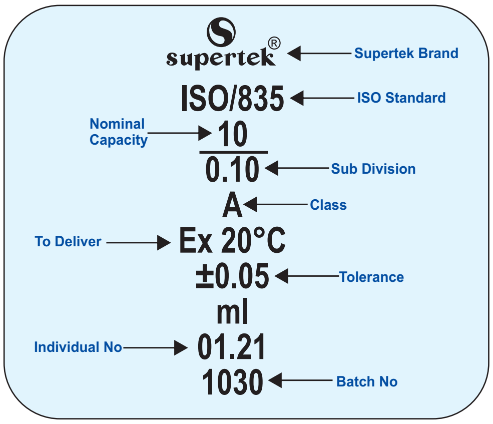
Marking of Volumetric Pipettes


supertek®
Supertek Brand
ISO:648
ISO Standard
Class
A
01.22
Batch No
To Deliver
Ex 20°C
1040
Individual No
Calibration Temp.
Nominal Capacity
10 ml
± 0.020
Tolerance

Capacity	Color	Design	(Band)
1 ml	Blue	Single	🟦
2 ml	Orange	Single	🟧
5 ml	White	Single	⬜
10 ml	Red	Single	🟥
20 ml	Yellow	Single	🟨
25 ml	Blue	Single	🟦
50 ml	Red	Single	🟥
100 ml	Yellow	Single	🟨



Marking of Graduated Pipettes


supertek®
Supertek Brand
ISO/835
ISO Standard
Nominal Capacity
10
0.10
Sub Division
A
Class
To Deliver
Ex 20°C
±0.05
Tolerance
ml
Individual No
01.21
1030
Batch No

Capacity	Sub-div.	Color Code	Design	Band (Serological)	Band (Mohr)
0.1ml	0.01ml	White	Single	⬜	⬜
0.2ml	0.01ml	Black	Single	⬛	⬛
1ml	0.01ml	Yellow	Single	🟨	🟨
1ml	0.1ml	Red	Single	🟥	🟥
2ml	0.02ml	Black	Single	⬛	⬛
2ml	0.1ml	Green	Single	🟩	🟩
5ml	0.05ml	Red	Single	🟥	🟥
5ml	0.1ml	Blue	Single	🟦	🟦
10ml	0.1ml	Orange	Single	🟧	🟧
20ml	0.2ml	Yellow	Double	🟨🟨	🟨🟨
25ml	0.2ml	Green	Single	🟩	🟩

- **A Volumetric Pipette (also called as Bulb Pipette or Belly Pipette) allows only a specific (or fixed) amount of solution to be transferred**
- **Graduated Pipettes allow for variable volumes of liquid to be transferred from one place to another.**

ISO DIN ASTM

Comparison between Mohr and Serological Pipettes

MOHR	SEROLOGICAL
Delivery from zero mark to the last graduations mark	Delivery from zero mark to the tip
The graduations on these always end before the tip	The graduation marks continue to the tip
It can be used for partial delivery	It can be used for partial delivery

Our printing criteria

ISO Class A	Amber printing
ISO Class B	Amber printing
USP	Amber printing
Amber Glass	White printing

Volumetric Flasks

An integral part of every laboratory

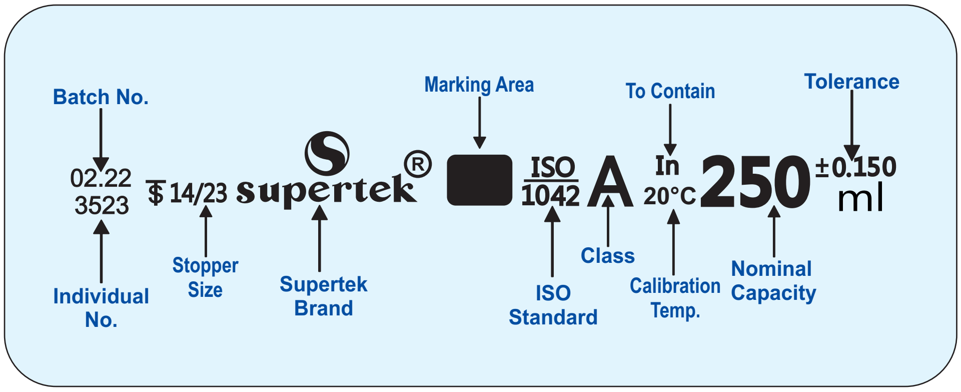
supertek® Volumetric flasks are made from Low expansion 3.3 Borosilicate Glass. All flasks are calibrated to contain (TC/In) at 27°C/20°C reference temperature, which is indicated on the label. These flasks are calibrated on state of the art fully automatic calibration machine. Flask have uniform thickness and available in clear and amber glass. Total volume is marked with a circular graduation mark. Volumetric flask are made for precise dilutions and preparations of standard solutions.

Special features of supertek® certified glassware

- Conforming international specification ISO and ASTM
- Individually calibrated and certified (A class only)
- Multiple sizes & grades
- Complete traceability

supertek®
ISO 1042 A In 20°C 250 ±0.150 ml

Marking of Volumetric Flasks


Batch No.
Marking Area
To Contain
Tolerance
02.22
3523
$ 14/23
supertek®
ISO 1042
A
In
20°C
250
±0.150
ml
Individual No.
Stopper Size
Supertek Brand
ISO Standard
Class
Calibration Temp.
Nominal Capacity

Our Printing Criteria	
Amber glass all Volumetric flask	White Printing
Clear glass Volumetric flask Class-B	Blue Printing
Class - A ISO	Amber Printing
USP Volumetric flask	White Printing
Class - A ASTM Volumetric flask	White Printing

ISO DIN
ASTM

Right mix of quality and efficiency

Measuring Cylinders

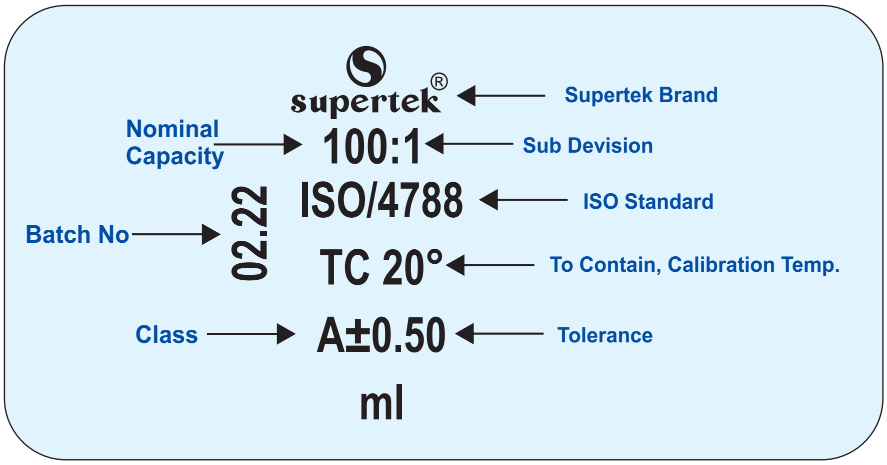
Easy to use-highly accurate

supertek® Offers Measuring Cylinders with high accuracy. It helps with measuring the volume of a liquid and is also called as Mixing Cylinder. Measuring Cylinders are also used to determine displacement, which is a measurement of the change in the volume of water when additional materials are added to it. This means that the volume of solid objects and solutions can be determined using a measuring cylinder. The large hexagonal base in the cylinder prevents it rolling off a laboratory bench.

Special features of supertek® certified glassware

- Conforming international specification ISO and ASTM
- Individually calibrated and certified (A class only)
- Multiple sizes & grades
- Complete traceability

Marking of Measuring Cylinders



supertek® ← Supertek Brand

Nominal Capacity → 100:1 ← Sub Devision

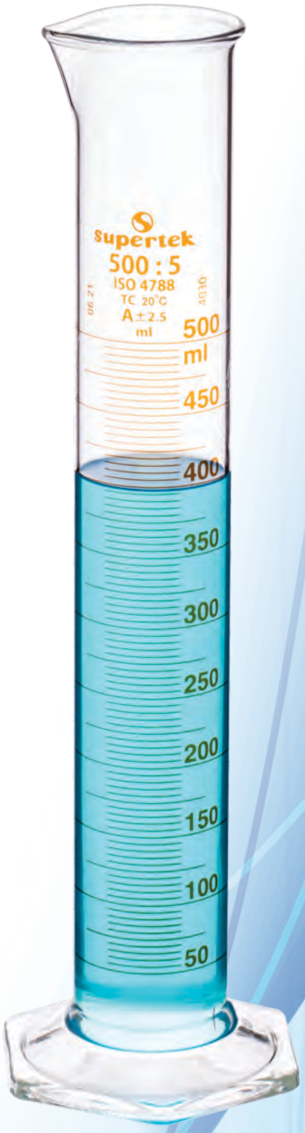
ISO/4788 ← ISO Standard

Batch No → 02.22

TC 20° ← To Contain, Calibration Temp.

Class → A±0.50 ← Tolerance

ml



Our Printing Criteria

ISO Class - A	Amber
ISO Class - B	Amber
USP	Blue
Amber Glass	White

ISO DIN ASTM

Right mix of quality and efficiency

Burette

www.shivsons.com

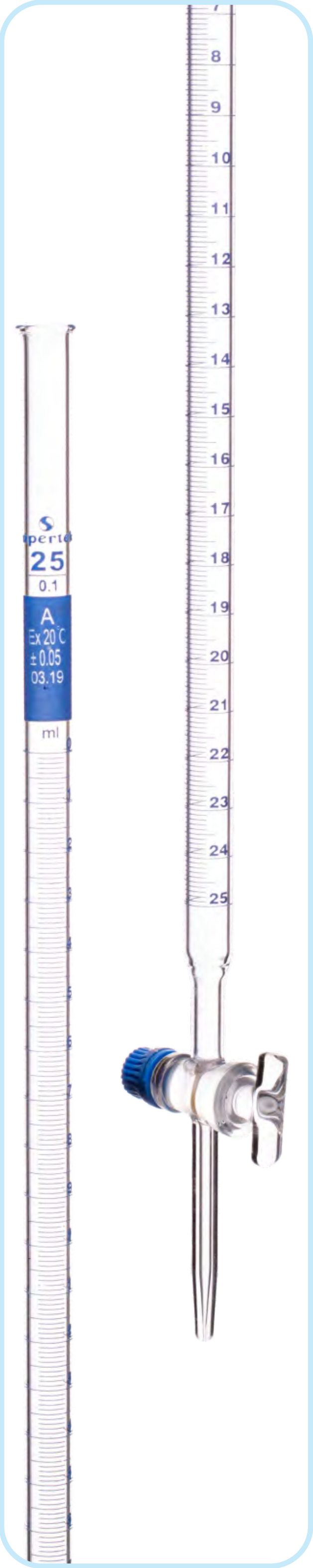
Supertek brand burettes are manufactured from Low-expansion Boro 3.3 glass in conformance with ASTM E-438 TYPE 1 CLASS A glass and DIN ISO 3585.

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 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

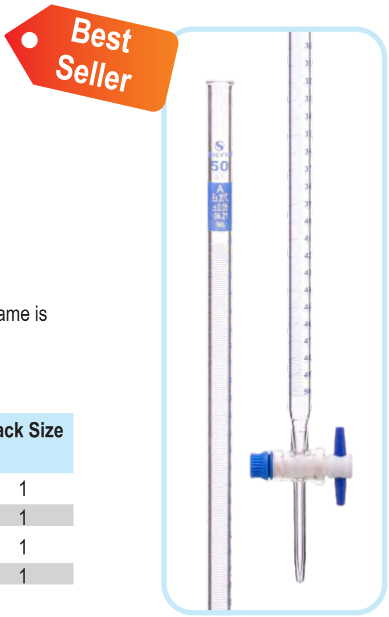
- Calibrated at 20°C
- The volume content tolerances conform to Class A of ISO 385
- Generally used in Titration process
- Designed with straight bore stopcock that increases the life, compared to PTFE key stopcocks
- The glass stopcock enhances control and enables smoother action
- Printed in blue
- 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

Precision Bore

Retrace Code

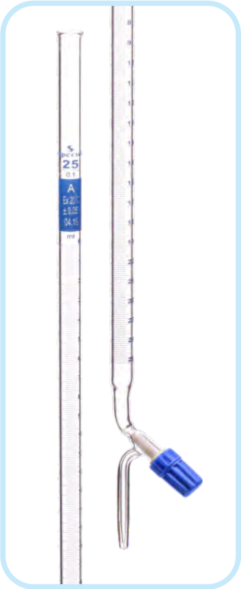
DIN ISO 385



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



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

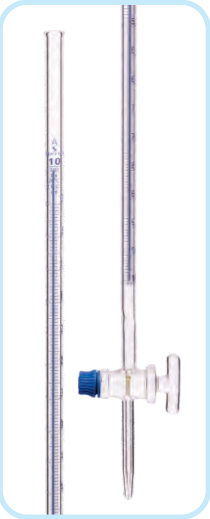
Batch Certificate	Individual Certificate	Capacity, ml	Sub-div., ml	Tolerance, ± ml	Pack Size
11.104.0010	22.104.0010	10	0.05	0.03	1
11.104.0025	22.104.0025	25	0.1	0.05	1
11.104.0050	22.104.0050	50	0.1	0.05	1
11.104.0100	22.104.0100	100	0.2	0.1	1

Precision Bore

Retrace Code

DIN ISO 385

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	Pinch Clip Burette	Capacity, ml	Sub-div., ml	Tolerance, (± ml)	Pack Size
10.105.0010	**10.106.0010**	10	0.05	0.05	1*
10.105.0025	**10.106.0025**	25	0.1	0.1	1*
10.105.0050	**10.106.0050**	50	0.1	0.1	1*
10.105.0100	**10.106.0100**	100	0.2	0.2	1

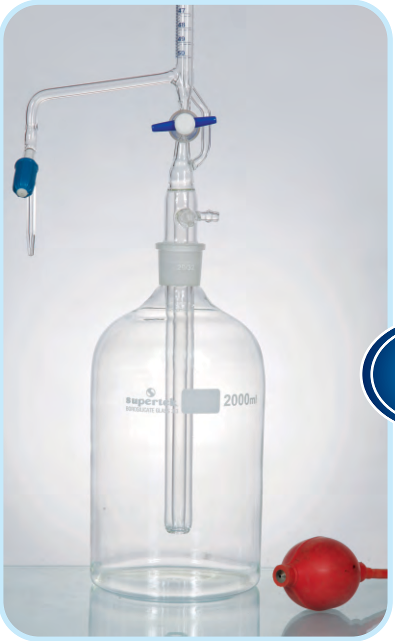
*** Pinch Clip burettes have a pack size of 10.**

Economy Model

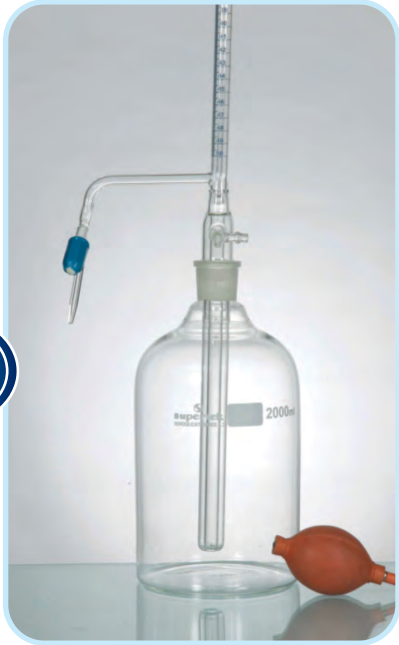
Automatic Zero Burette

- 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., ml	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



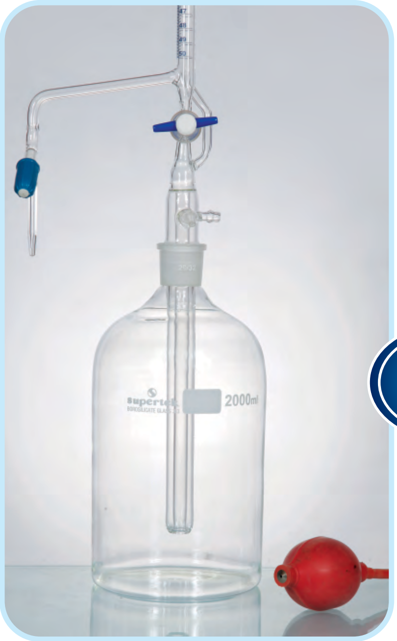
Shock Resistant Packing



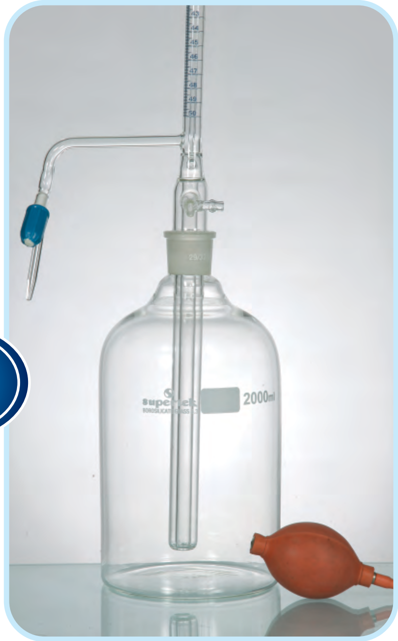
Automatic Zero Burette, Class A With Schellbach Stripe

- 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., ml	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



Shock Resistant Packing



Lab Accessories

For Details go to Page 199

For Details go to Page 163

Pipettes

www.shivsons.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 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

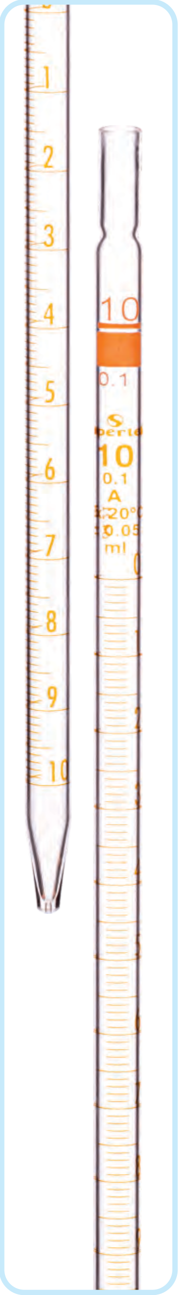
Best Seller
supertek
A
Ex 20 C
50
ml
± 0.050ml
supertek
A
Ex 20 C
50
ml
± 0.050ml

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

DIN ISO
648



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

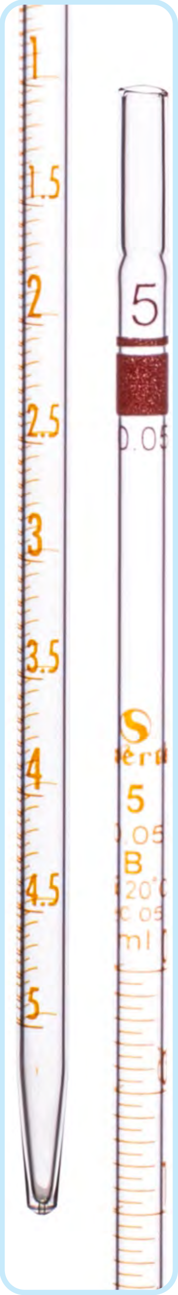
- Calibrated at 20°C
- Complies with ISO / DIN 835 Class A
- These pipettes are graduated to the tip
- Sturdy, designed to last long usage
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility and durability
- Batch certificate is available on our website
- 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.shivsons.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. Individual certificate is provided with the product. Batch certificate can also be provided with the product on request at extra cost.

01/15/306
± 0.100
supertek
DIN
A
100ml

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

ISO 17025 · Dish Washer Durable Print · Retrace Code · DIN ISO 1042

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

supertek
DIN A
± 0.100
100ml

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

supertek
DIN A
± 0.040
25ml

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

ISO 17025

Dish Washer Durable Print

Retrace Code

DIN ISO 1042

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

Best Seller
supertek
DIN A
± 0.100
100ml

supertek
DIN A
± 0.150
250ml

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 17025

Dish Washer Durable Print

Retrace 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

100 ML
± 0.200
supertek
DIN B
100ml

± 0.120
supertek
DIN B
50ml

± 0.120
supertek
DIN B
50ml

Dish Washer
Durable
Print

DIN ISO
1042

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

supertek
BOROSILICATE GLASS 3.3
250 ± 0.300ml
In 20°C

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

supertek AW 100ml
± 0.150

Measuring Cylinders

www.shivsons.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. Individual certificate is provided with the product. Batch certificate can also be provided with the product on request at extra cost.

Supertek
25 : 0.5
ISO 4788
TC 20°C
A ±0.25
ml
25
20
15
10
5

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

ISO 17025

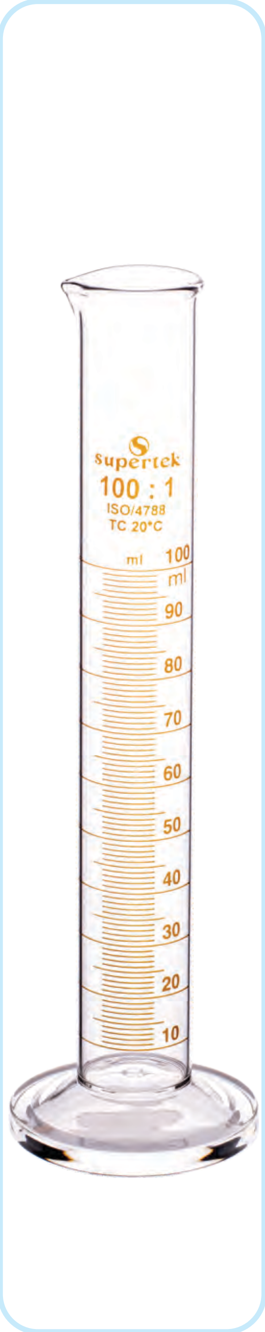
Dish Washer Durable Print

Retrace Code

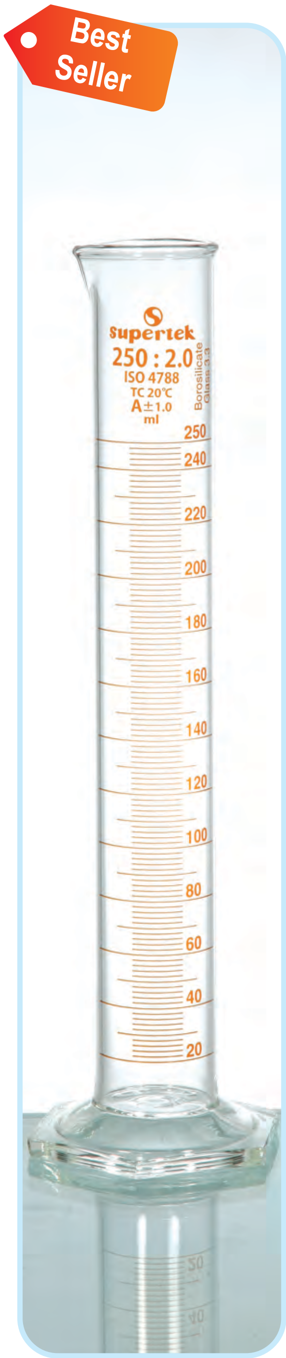
DIN ISO 4788

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

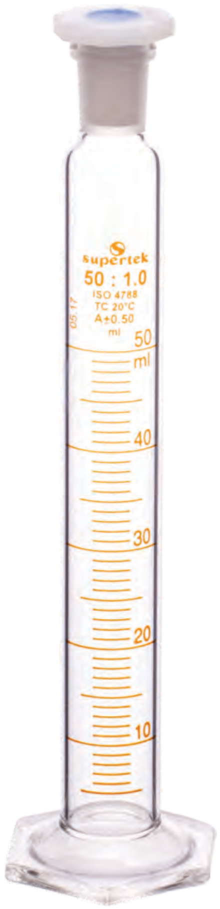
*Pack of 2 in case of round base

ISO 17025

Dish Washer Durable Print

Retrace Code

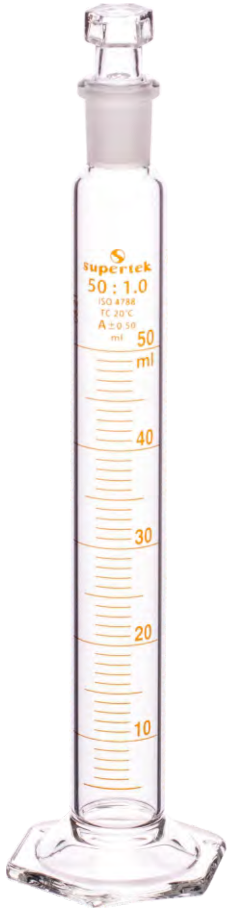
DIN ISO 4788



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

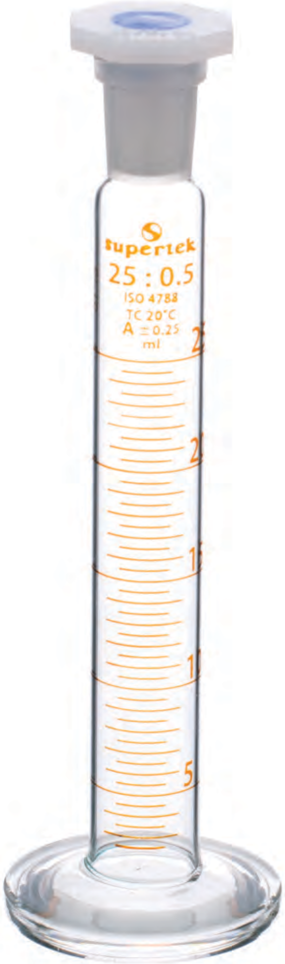
Batch Certificate	Individual Certificate	Capacity, ml	Tolerance, ± ml	Sub. Div. ml	Pack Size
11.507.0005	**22.507.0005**	5	0.05	0.1	2
11.507.0010	**22.507.0010**	10	0.1	0.2	2
11.507.0025	**22.507.0025**	25	0.25	0.5	2
11.507.0050	**22.507.0050**	50	0.5	1	2
11.507.0100	**22.507.0100**	100	0.5	1	2
11.507.0250	**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

ISO 17025

Dish Washer Durable Print

Retrace Code

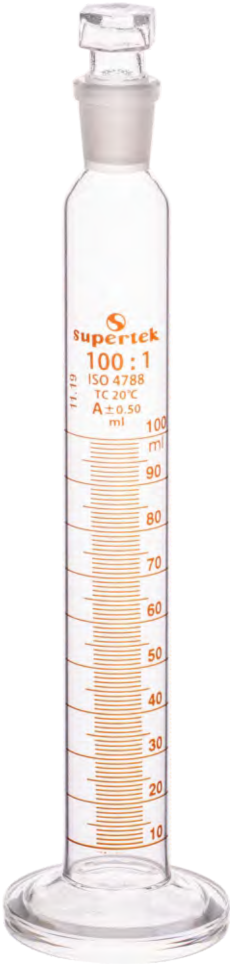
DIN ISO 4788



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 Interchangable 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

ISO 17025

Dish Washer Durable Print

Retrace Code

DIN ISO 4788

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

supertek
25 : 0.5
ISO 4788
TC 20 C
ml

supertek
50:1
ISO 4788
TC 20°C
ML

supertek
100:1
ISO 4788
TC 20°C
ML

supertek
100:1
ISO 4788
TC 20°C
ML

Nessler Cylinder

For color comparison

- * Calibrated at 20°C
- * Facilitates color comparison of water samples
- * Manufactured from precision bore 3.3 borosilicate tubing selected for freedom from color 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

100ml
In 20°C
50ml

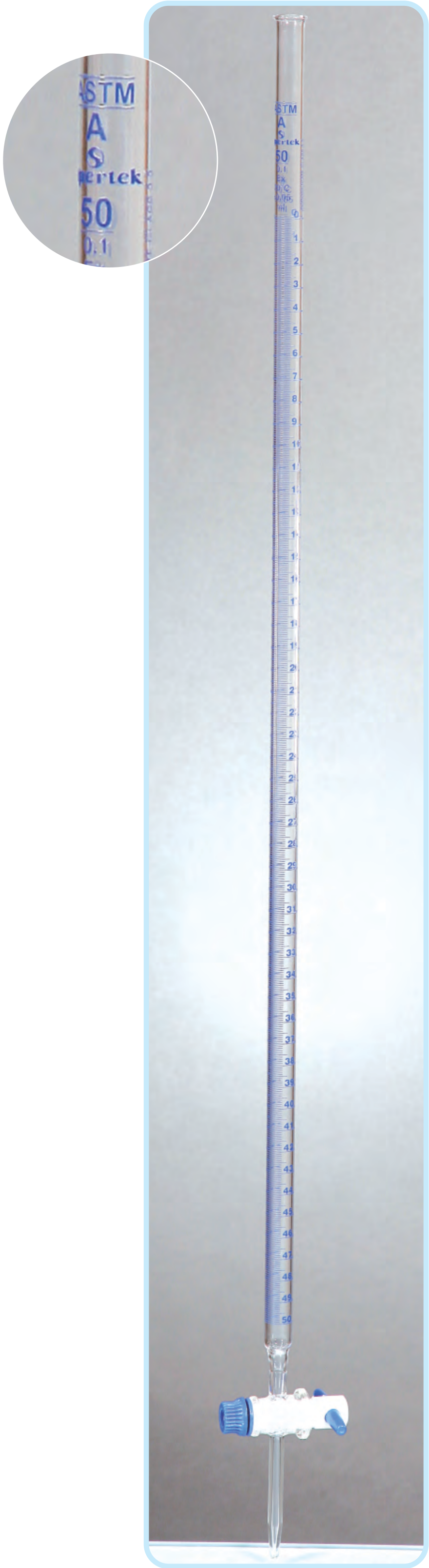
Dish Washer Durable Print

DIN ISO 4788

Burettes

www.shivsons.com

ASTM



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.shivsons.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

25
ml
supertek
ASTM
Ex 20°C
25ml
A ± 0.03ml

ASTM

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

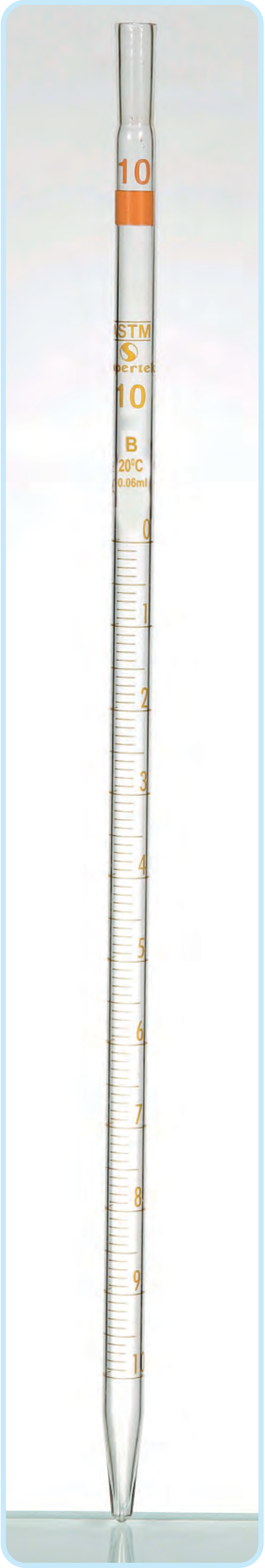
- Calibrated at 20°C
- Complies with ASTM E 1293 specifications
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- These pipettes are graduated for delivery from zero mark to the last graduation mark
- Sturdy, designed to last long usage
- Markings 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

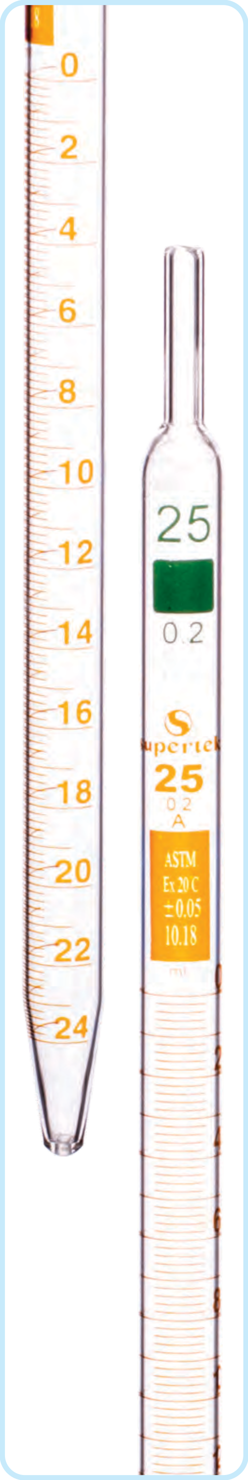
Batch Certificate	Individual Certificate	Capacity, ml	Sub-div. ml	Tolerance, (± ml)	Color coding band	Pack Size
44.302.0005	**46.302.0005**	0.1	0.01	0.0025	WHITE	10
44.302.0010	**46.302.0010**	0.2	0.01	0.004	BLACK	10
44.302.0015	**46.302.0015**	1	0.1	0.01	RED	10
44.302.0020	**46.302.0020**	1	0.01	0.01	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





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

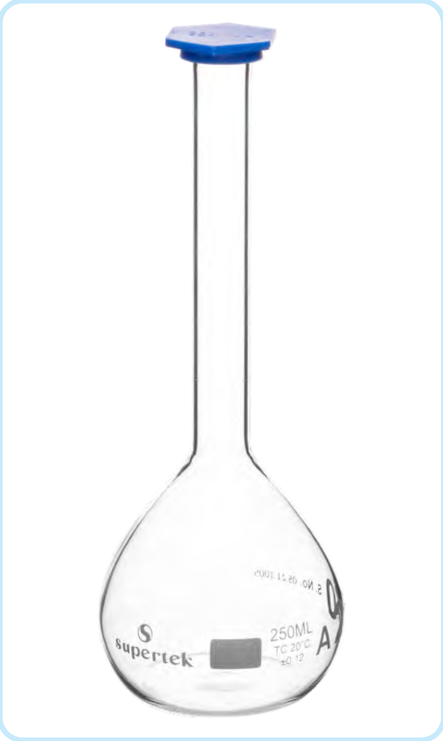
- Calibrated at 20°C
- Complies with ASTM 1044 specifications
- Calibrated for delivery (TD, Ex)
- Generally used for accurate measurement and decanting of liquid
- These pipettes are graduated to the tip
- Markings are made in permanent amber stain diffused into the surface of the glass for better visibility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

0.6
0.8
1
1.2
1.4
1.6
1.8
2
ASTM
2
0.1
B
Ex 20
±0.02
ml

Volumetric Flasks

www.shivsons.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

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

supertek
01/15/266
± 0.120
ASTM
A
250ml

supertek
± 0.240
ASTM
250ml

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
ASTM
A
± 0.120
250ml

supertek®

Filter Papers

supertek
FILTER PAPER
QUALITATIVE
125 mm ø
GRADE 3
supertek
FILTER PAPER
QUALITATIVE
125 mm ø
GRADE 1
supertek
FILTER PAPER
QUALITATIVE
125 mm ø
GRADE 2
125 mm ø x 100 Circles
Lot No.

For more details go to page No. 130-131

ASTM

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

supertek
100ML
TC 20°C
± 0.08
A

ASTM

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

supertek
150ML
TC 20°C
±0.08
A

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

ASTM

50ML
TC 20°C
supertek

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

100ML
TC 20°C
±0.08
A 100

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

ASTM

100ML
TC 20°C
±0.08
A 100

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

Note

Measuring Cylinders

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ASTM

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

supertek
50 : 1.0
ASTM
TC 20°C
A ± 0.25
ml

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

supertek
50 : 1.0
ASTM
TD20°C
B±0.50
ml
Borosilicate
0
50
ml
ml
10
40
20
30
30
20
40
10

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 permanents 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

supertek®

USP

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	6
50.402.0010	10	10/19	0.02	6
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

supertek
USP
A
± 0.050
50ml

supertek
USP
A
± 0.120
250ml

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	6
50.404.0010	10	10/19	0.02	6
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

USP

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

supertek
50 : 1.0
USP
TC 20°C
A ±0.25 ml
Borosilicate Glass 3.3
50 ml
40
30
20
10

Notes

supertek®

19/26
19/2
19/26
14/23
29/32
34/35
24/29
24/29
29/32
24/29

Interchangeable Glassware

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Interchangeable Glassware

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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

ASTM
E-676

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

ASTM
E-676

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**

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**

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

Spherical Joint, Cup

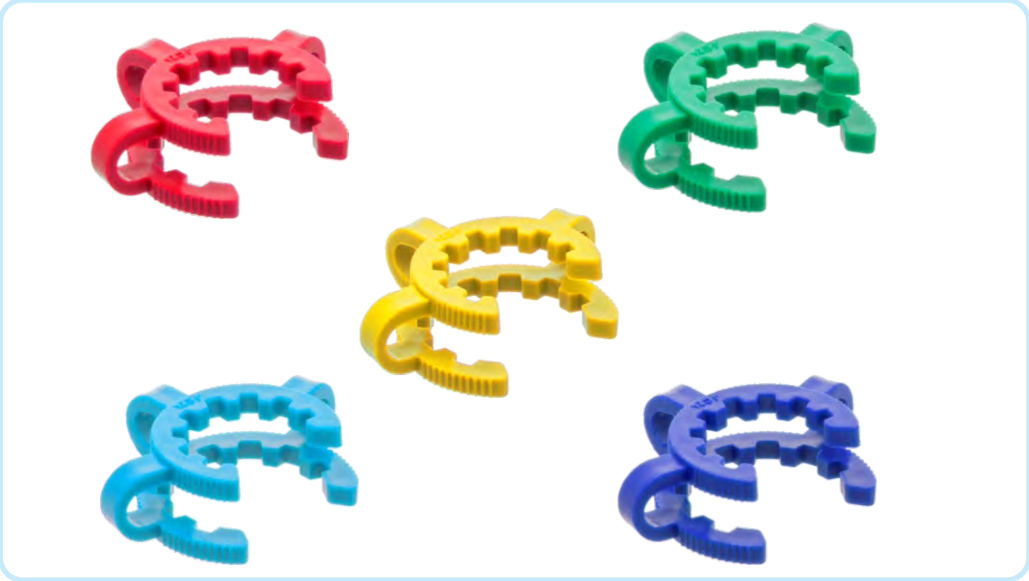
Conformity DIN 12264 Standards

	Cup joint female	Min. Shank Length, mm	Pack Size
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

A
121 °C

Chemical
Resistant

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

ASTM

DIN
12254

Polypropylene Stopper, Octagonal. 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

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

24/29
24/29
24/29

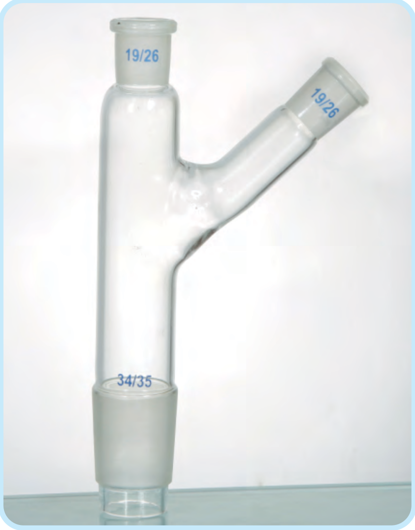
DIN
12594

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**

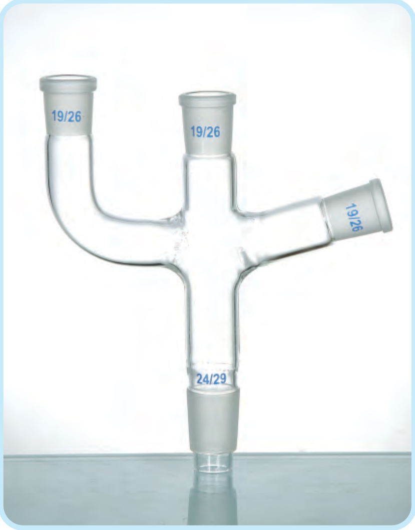


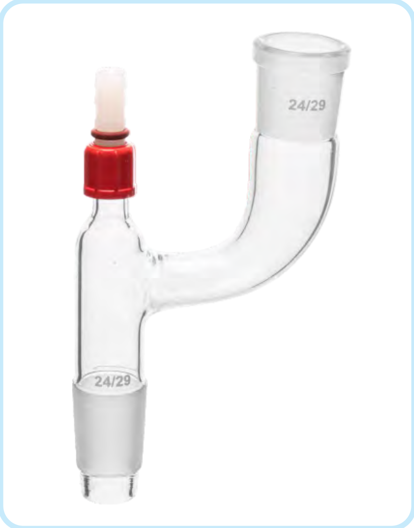
Multiple Adapter, With Two Necks, One Vertical & One At 45°

	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

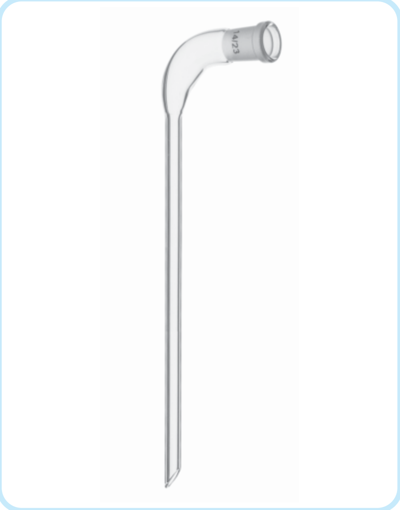
	Socket Size	Ball Size	Pack Size
14.328.0005	19/26	S29	10
14.328.0010	24/29	S35	10

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	4
14.336.0010	19/26	65	4
14.336.0015	24/29	65	4
14.336.0020	29/32	65	4

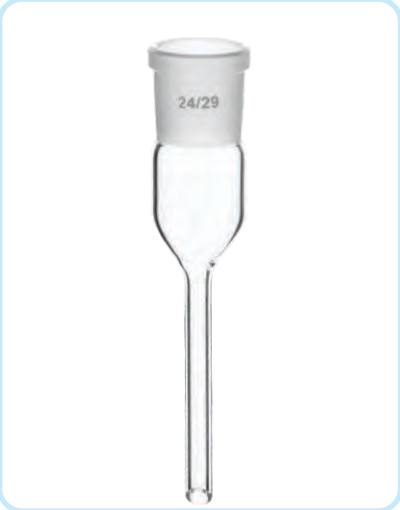


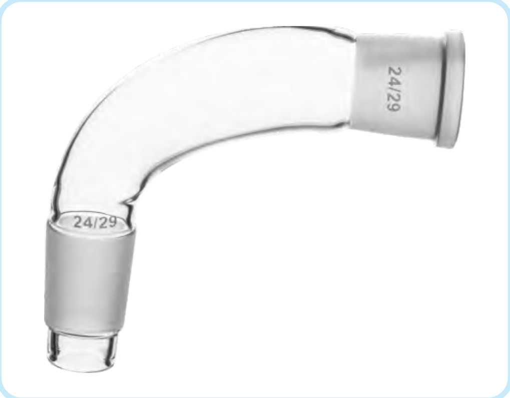
Receiver Delivery Adapter - Long Stem

	Socket Size	Approx. Length, mm	Pack Size
14.340.0005	14/23	190	4
14.340.0010	19/26	200	4
14.340.0015	24/29	200	4
14.340.0020	29/32	200	4

Receiver Adapter - Straight Delivery

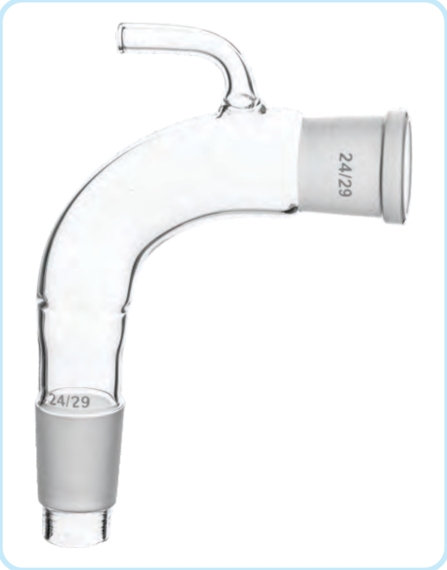
	Socket Size	Pack Size
14.344.0005	14/23	10
14.344.0010	19/26	10
14.344.0015	24/29	10
14.344.0020	29/32	10





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

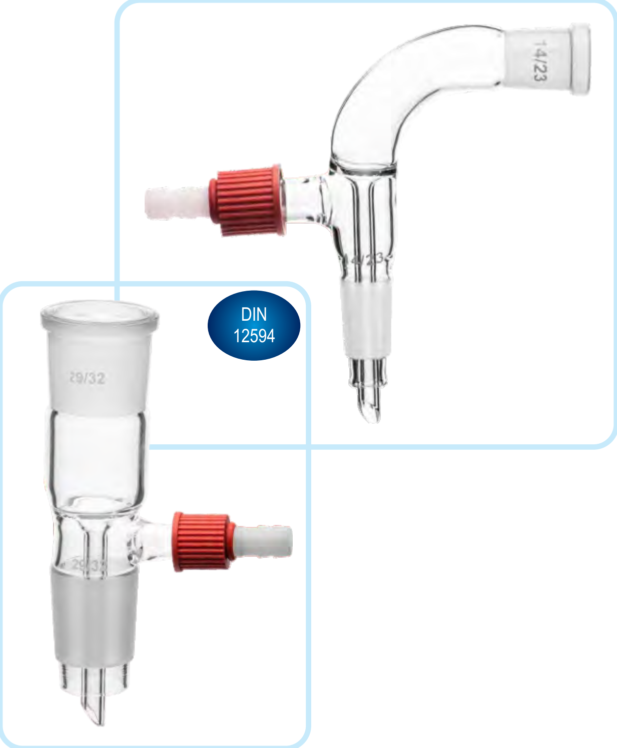
	Socket Size	Cone Size	Pack Size
14.352.0005	14/23	14/23	1
14.352.0010	19/26	19/26	1
14.352.0015	19/26	24/29	1
14.352.0020	24/29	24/29	1
14.352.0025	29/32	29/32	1

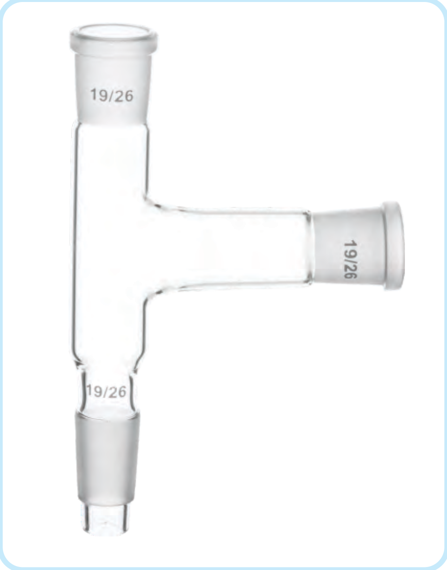
Receiver Adapter With Vacuum Connection

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

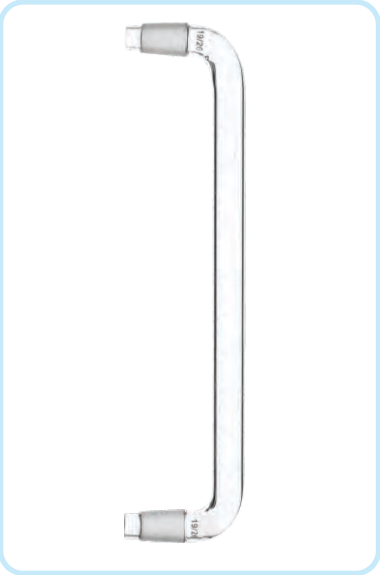
	Socket Size	Cone Size	Pack Size
14.364.0005	14/23	14/23	1
14.364.0010	14/23	19/26	1
14.364.0015	19/26	19/26	1

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

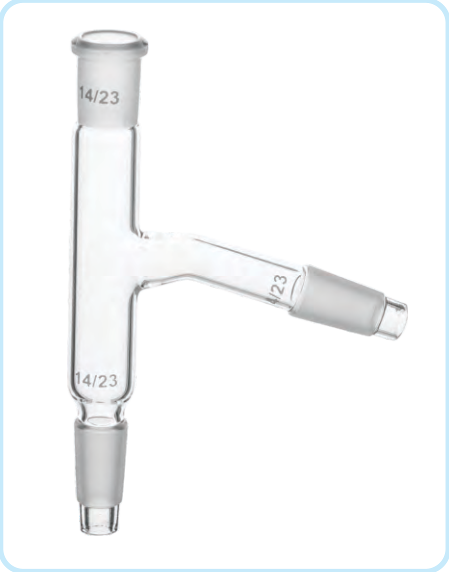
Recovery Bend, Vertical

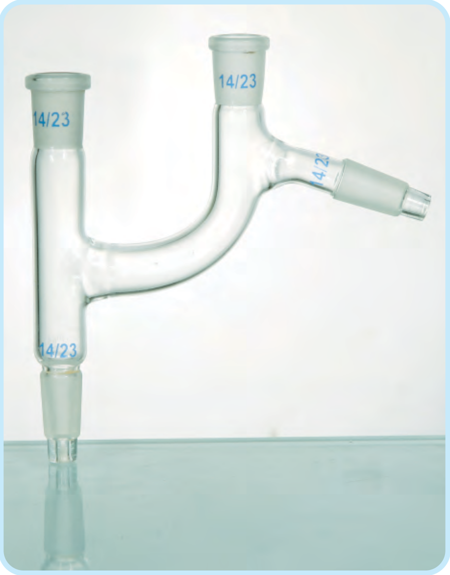
	Cone Size to fit flask	Cone Size to fit condenser	Pack Size
14.372.0005	14/23	14/23	1
14.372.0010	19/26	19/26	1
14.372.0015	24/29	19/26	1
14.372.0020	24/29	24/29	1
14.372.0025	29/32	29/32	1



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



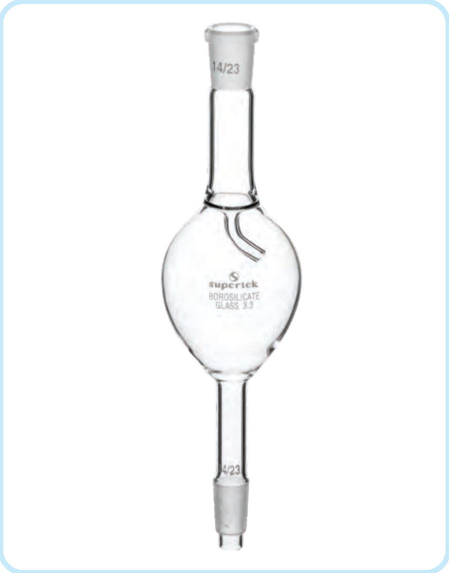


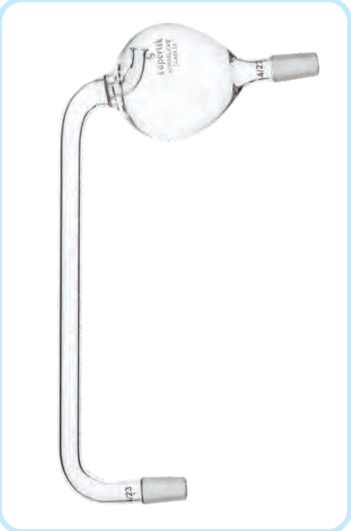
Claisen Head, Sloping, With Two 14/23 Sockets

	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



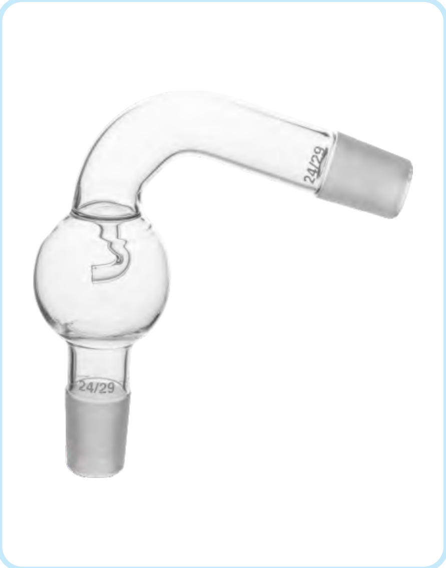


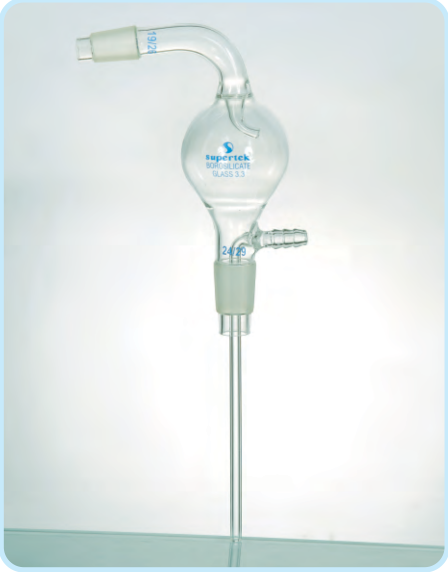
Splash Head, Pear Shape, Vertical

	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

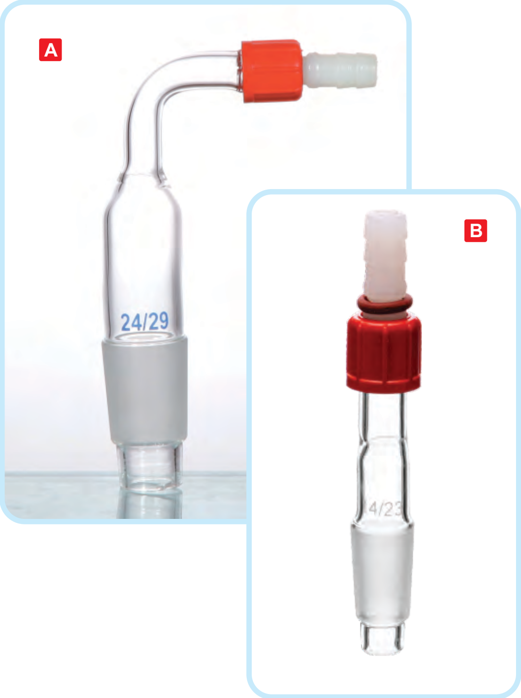
	Cone to fit flask	Cone to fit condenser	Pack Size
14.392.0005	14/23	14/23	1
14.392.0010	19/26	19/26	1
14.392.0015	24/29	19/26	1
14.392.0020	24/29	24/29	1
14.392.0025	29/32	29/32	1





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



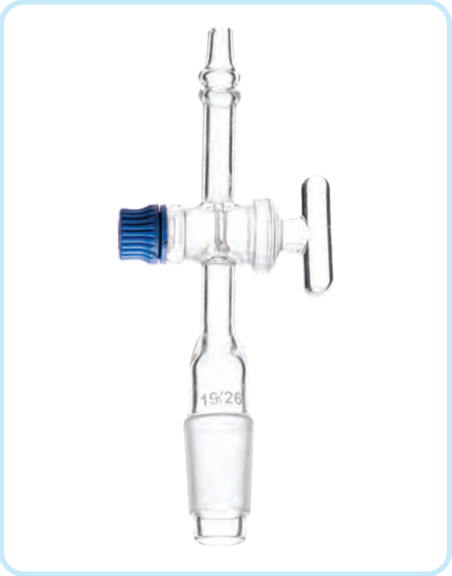
Adapter, Cone To Flexible Tubing Right Angle Connection With Screw Thread

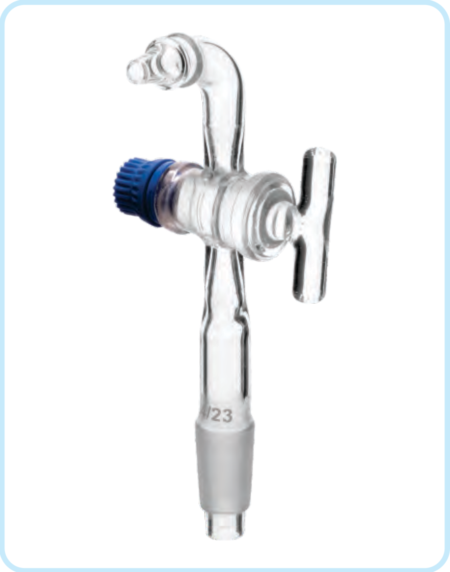
STRAIGHT B	RIGHT ANGLE A	Socket	Pack Size
14.399.0005	**14.400.0005**	14/23	1
14.399.0010	**14.400.0010**	19/26	1
14.399.0015	**14.400.0015**	24/29	1
14.399.0020	**14.400.0020**	29/32	1

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

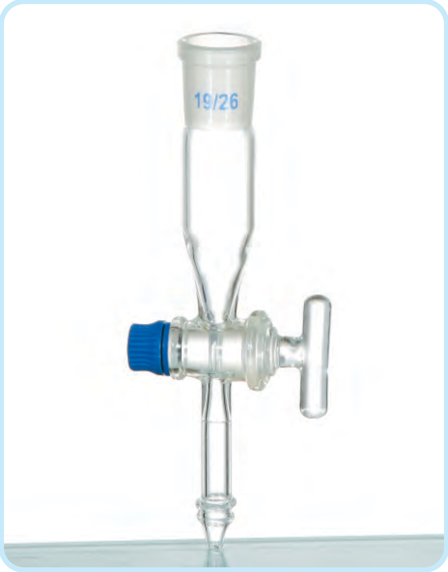
	Cone	Pack Size
14.408.0005	14/23	1
14.408.0010	19/26	1
14.408.0015	24/29	1
14.408.0020	29/32	1

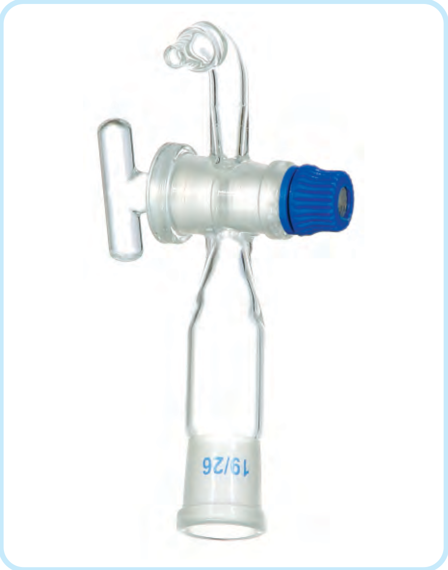
(Also available with PTFE key & Needle Valve stopcock on request. Please ask for Prices)

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)





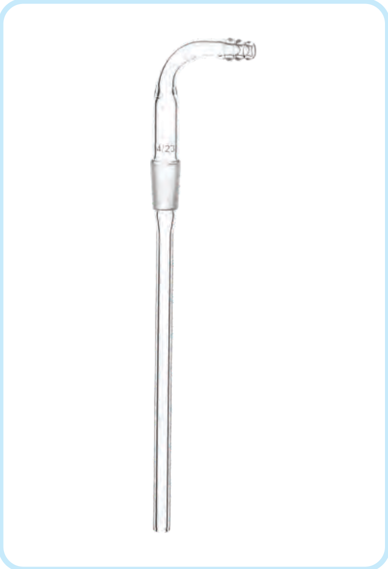
Adapter, Socket To Flexible Tubing, Right Angle Connection With Glass Stopcock

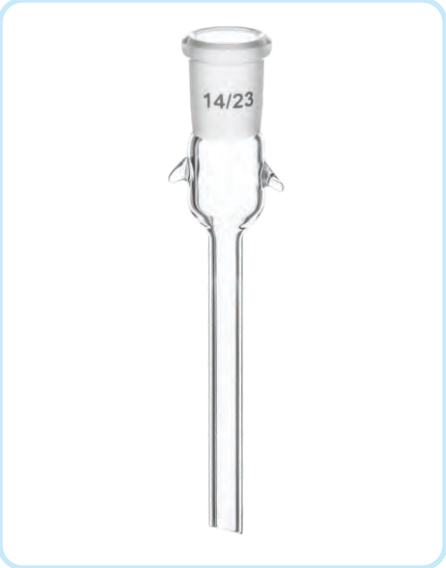
	Socket	Pack Size
14.416.0005	14/23	1
14.416.0010	19/26	1
14.416.0015	24/29	1
14.416.0020	29/32	1

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

Adapter, Cone With Stem To Flexible Tubing Right Angle Connection

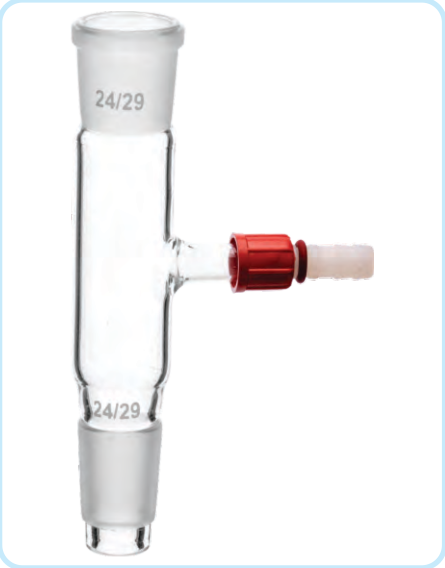
	Socket	Pack Size
14.420.0005	14/23	1
14.420.0010	19/26	1
14.420.0015	24/29	1
14.420.0020	29/32	1





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

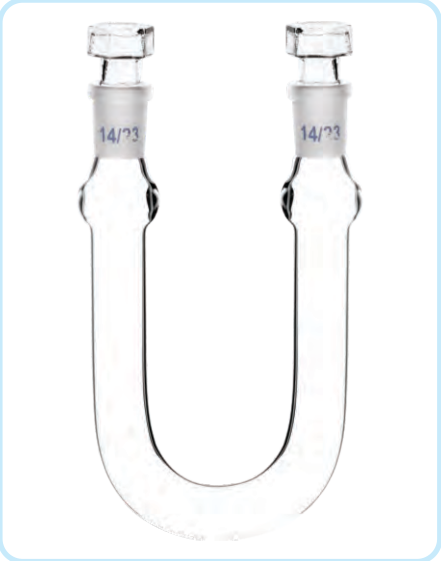


Adapter, Socket To Cone With Side Arm And Screw Thread

	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

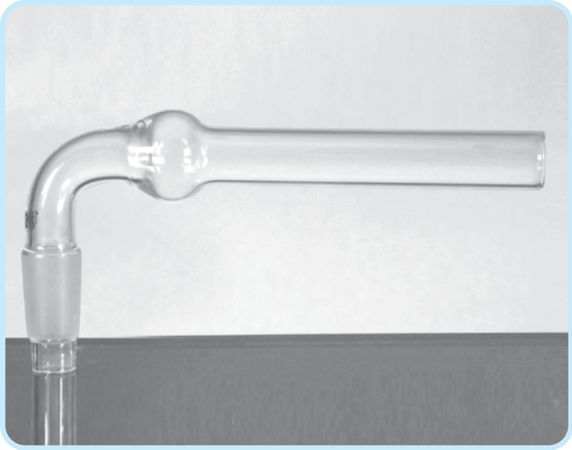
U Tube With Two Sockets

	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

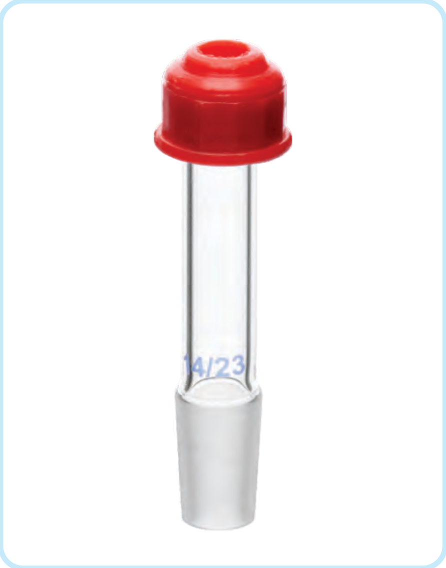


Thermometer Pocket

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

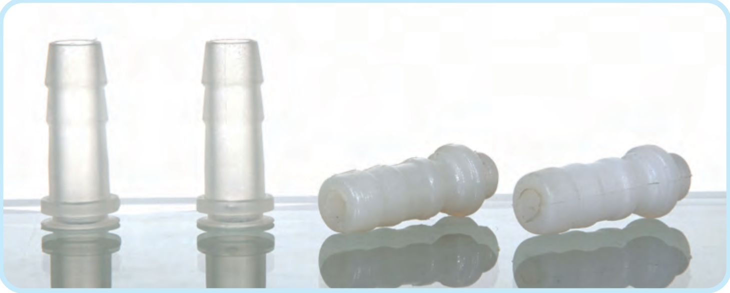
Air Leak Tube/Gas Inlet Tube

	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

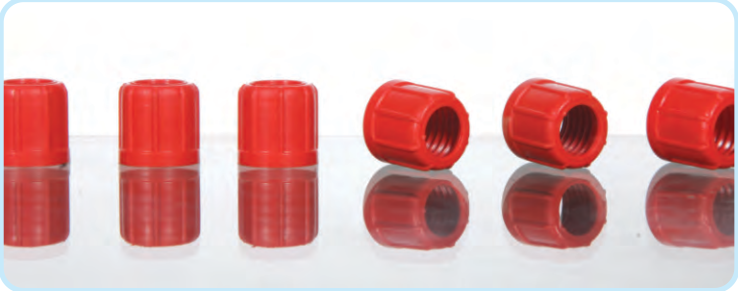


Plastic Hose Connectors

	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



supertek®

24/29
19/26
19/2
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Condensers

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Condensers

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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.

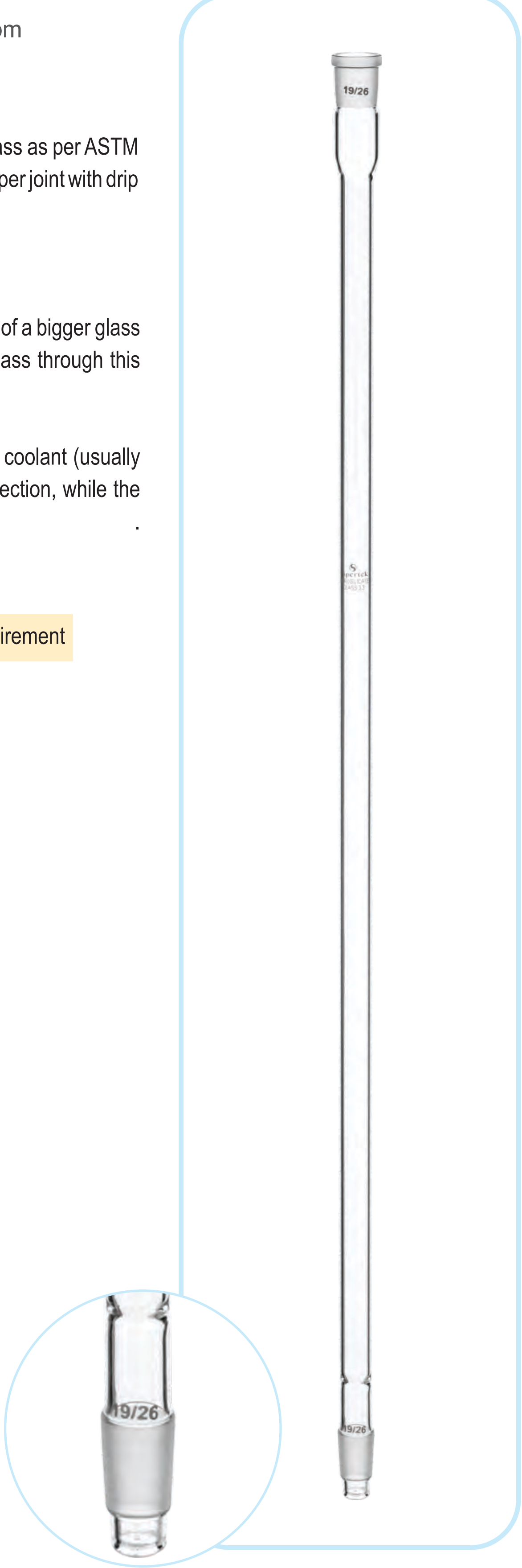
A condenser is used to facilitate the cooling of hot vapors and liquids. It consists of a bigger glass tube, containing a smaller glass tube running through its length. Hot liquids pass through this smaller glass tube.

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

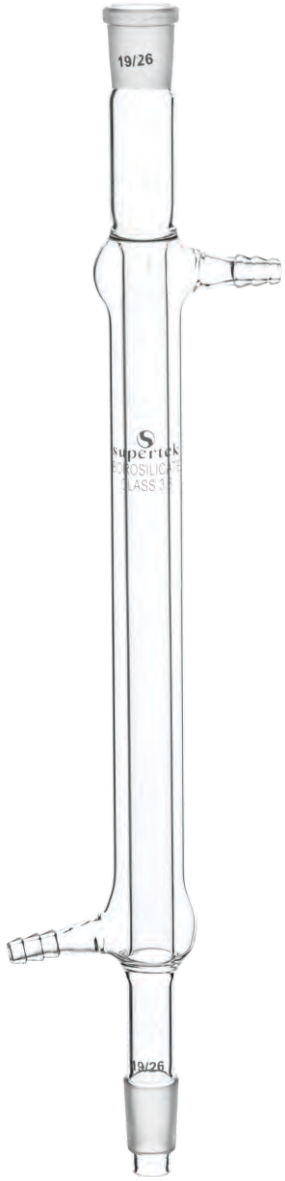
Supertek offers you the choice of a wide range of Condensers.



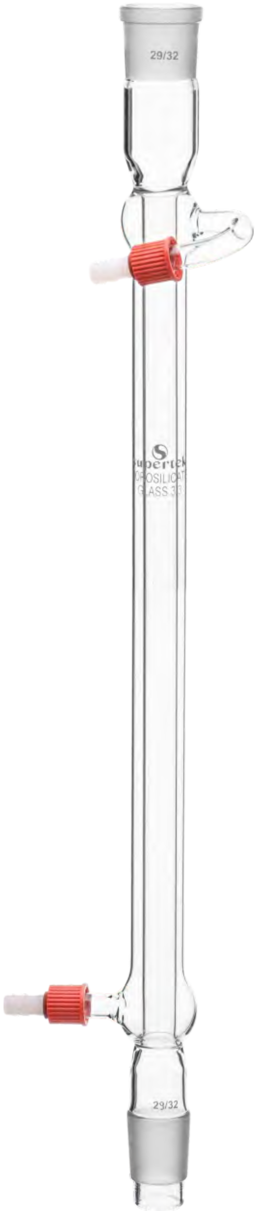
Condenser, Air

	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.



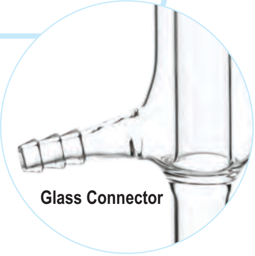
Condenser, Liebig

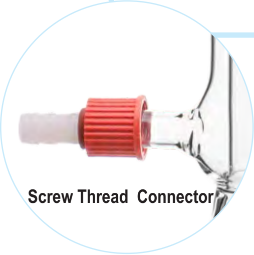
- * Conformity to DIN 12576
- * Elementary Design
- * Lighter wall of the inner tube facilitates effective heat transfer
- * Designed with standard joints providing universal fitting
- * Available with Glass & Plastic hose connector
- * Detachable plastic screw thread connectors provide easy and safe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

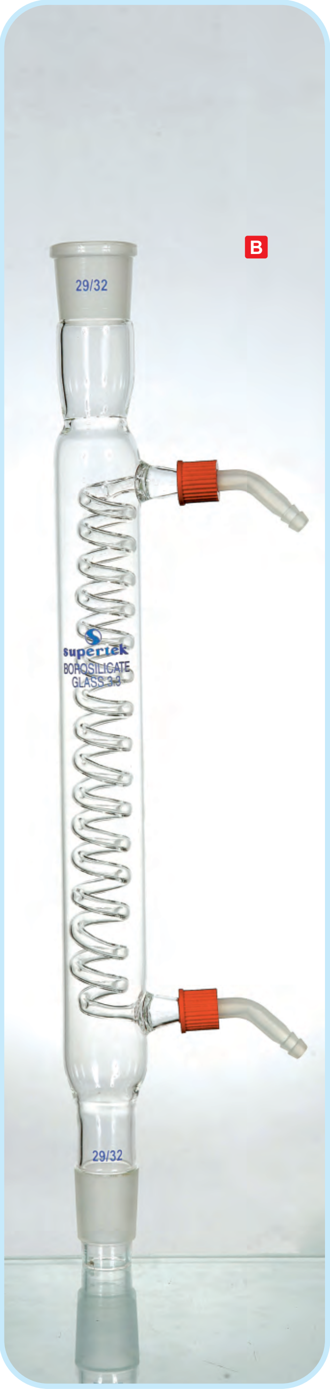
*** Non DIN sizes**

DIN 12576


Glass Connector


Screw Thread Connector

DIN 12576



Condenser, Coil, Graham (Coil Distillate Type) A

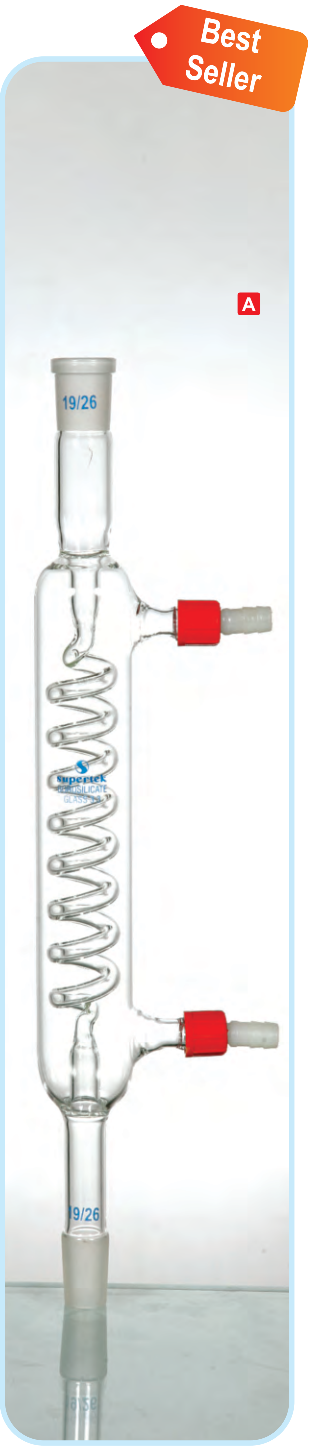
- The coiled condensation tubes provide greater surface area for cooling
- Designed with standard joints providing universal fitting
- Available with Glass & Plastic hose connector
- Detachable plastic screw thread connectors provide easy and safe attachment of flexible tubing

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



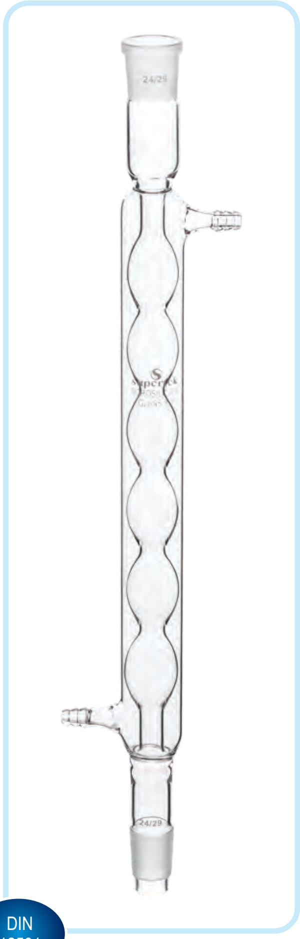
DIN 12581

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

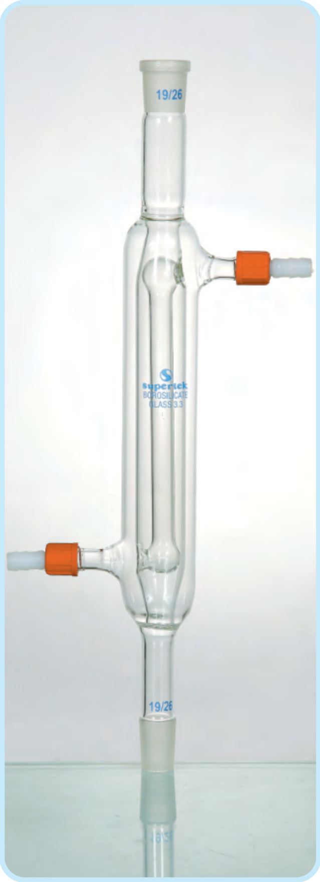


DIN 12581

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

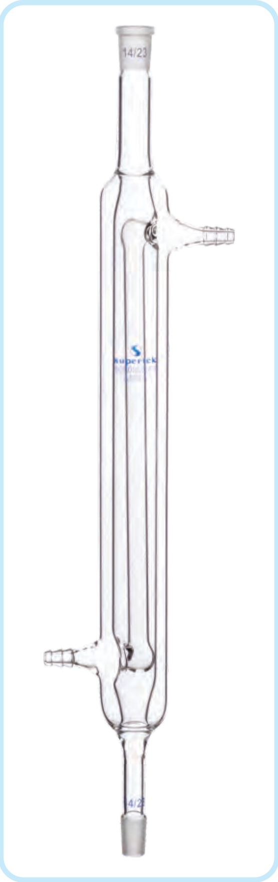
Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.116.0005	**16.116.5005**	160	-	19/26 & 24/29	1
16.116.0010	**16.116.5010**	160	-	24/29 & 24/29	1
16.116.0015	**16.116.5015**	160	-	24/29 & 34/35	1

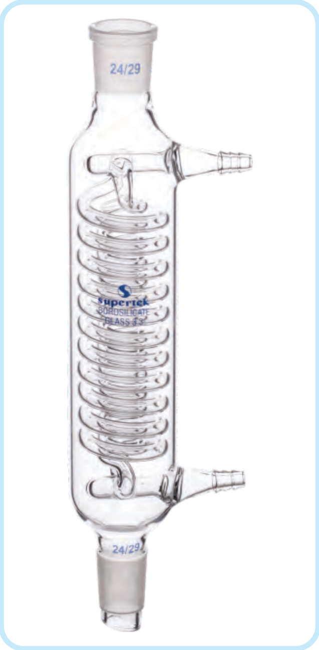


Condenser, Double Surface, Davies

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

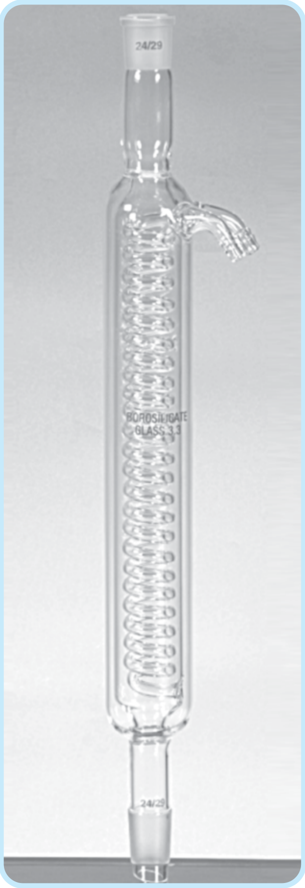
Features a double coil design with a common water inlet
Suitable for pilot plant work

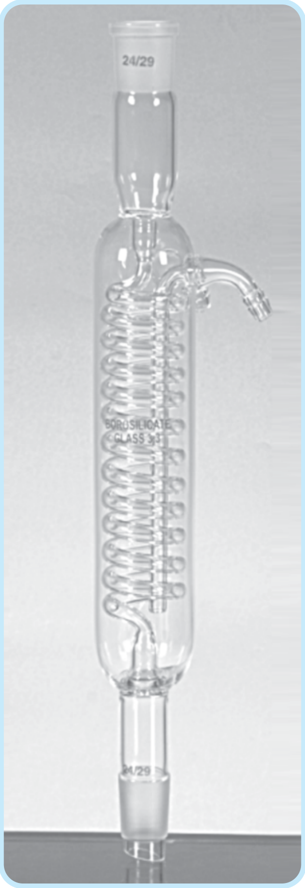
Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.120.0005	16.120.5005	200	19/26	19/26	1
16.120.0010	16.120.5010	200	24/29	24/29	1
16.120.0015	16.120.5015	350	34/35	34/35	1
16.120.0020	16.120.5020	450	34/35	34/35	1
16.120.0025	16.120.5025	600	34/35	34/35	1

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

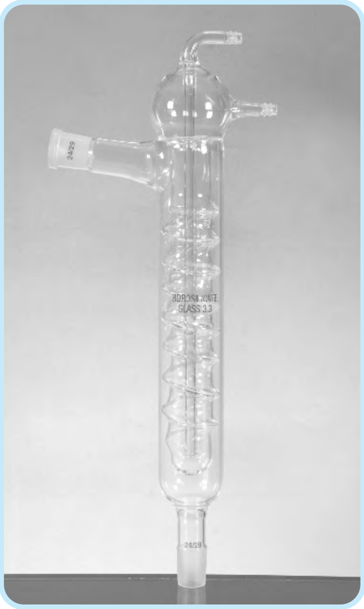




Condenser, Inland Revenue

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

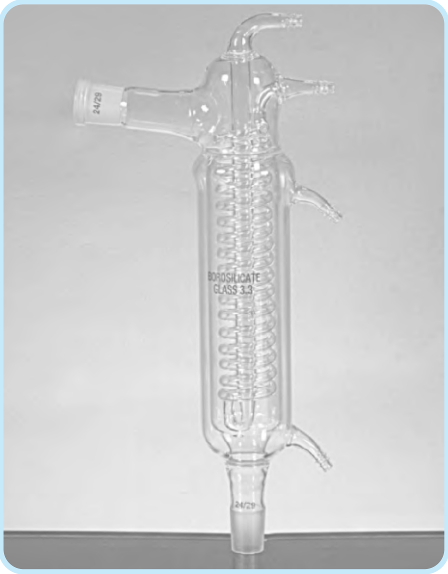
Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.132.0005	**16.132.5005**	200	-	-	1
16.132.0010	**16.132.5010**	200	19/26	19/26	1
16.132.0015	**16.132.5015**	200	24/29	24/29	1



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.

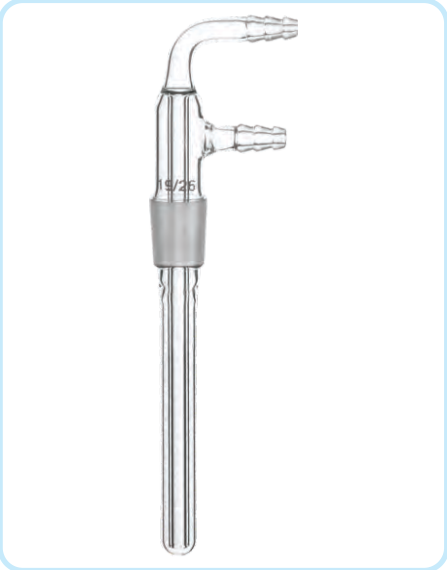
Glass Connector	Screw Thread Connector	Effective Length, mm	Socket Size	Cone Size	Pack Size
16.144.0005	**16.144.5005**	160	19/26	24/29	1
16.144.0010	**16.144.5010**	200	19/26	24/29	1
16.144.0015	**16.144.5015**	250	19/26	24/29	1

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

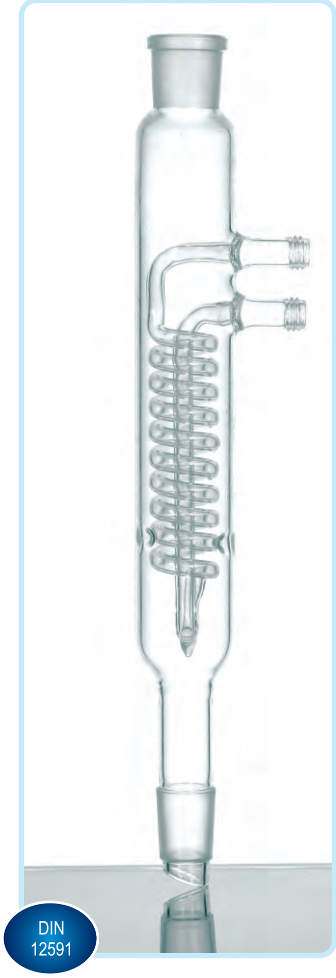
Similar to the coil condenser with advantage of having that both inlet and outlet pipes at the top

There is an internal double spiral through which the coolant travels

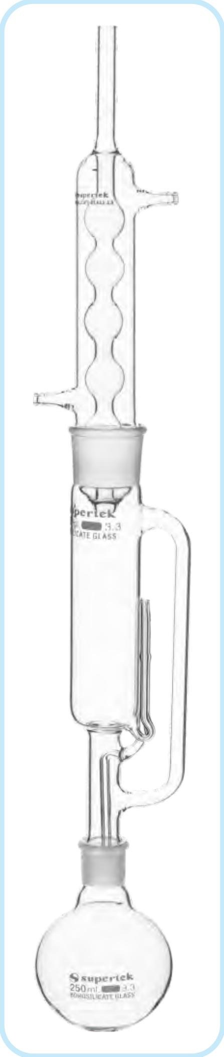
Dimroth condensers are much more effective than conventional condensers

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**



DIN 12591



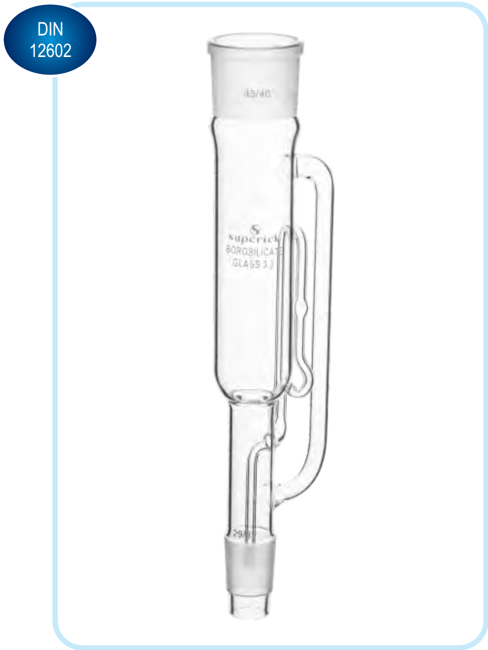
Soxhlet Extraction Apparatus, Consist Of Flask, Extractor And Condenser

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**	Allihn	100	45/40	29/32	250	1
16.308.0010	**16.308.5010**	Allihn	250	45/40	29/32	500	1
16.308.0015	**16.308.5015**	Allihn	500	60/46	29/32	1000	1
16.308.0020	**16.308.5020**	Allihn	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



Spare Condensors For Soxlet Extraction Apparatus

Allihn 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

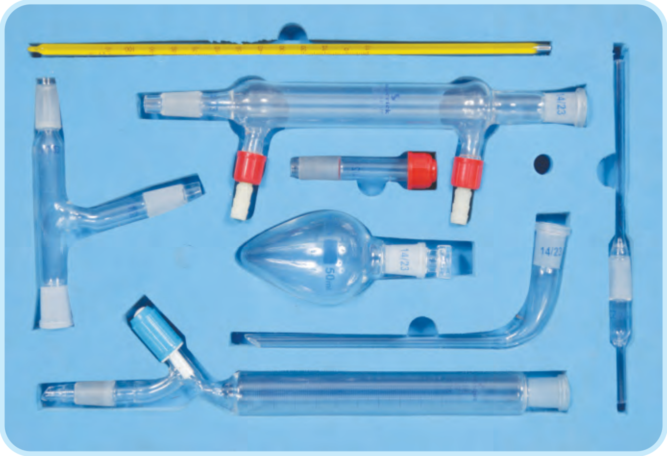
For more details go to page No. 139, 140

Organic Chemistry Sets

www.shivsons.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.

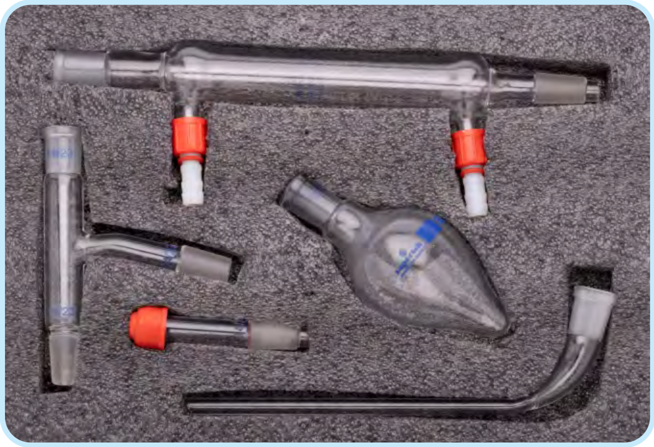
Organic Chemistry Set Equivalent To 27 BU



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

16.401.0050



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

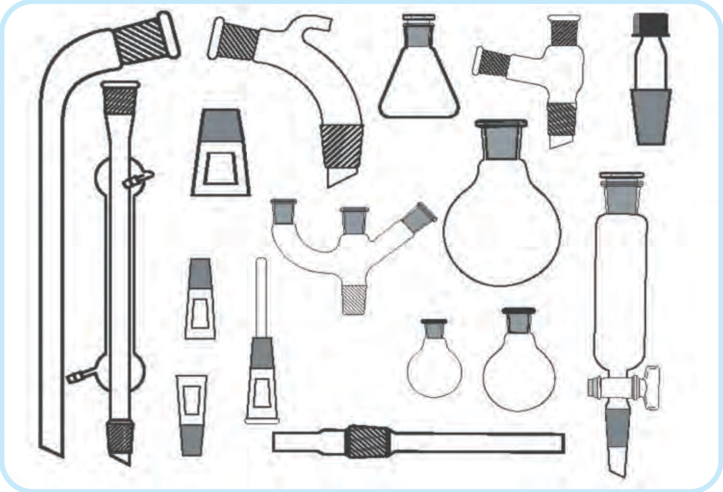
16.401.0025

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
Rceiver adapter, bent	19/26	-
Flask, R.B., 100ml	24/29	-
Stopper	-	24/29

16.401.0075



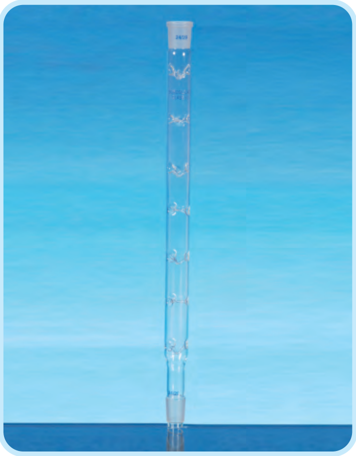
Note : Other organic sets also available on request.

supertek®
Burners
For more details go to page No. 210-212

Notes

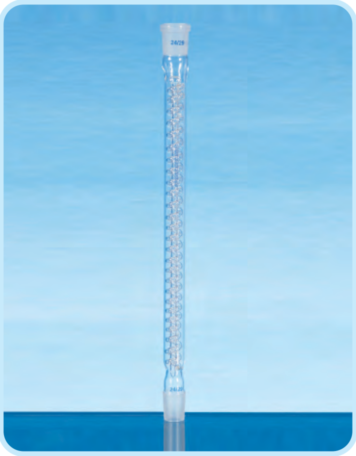
A fractionating column is an item used in distillation of liquid mixtures to separate the mixture into its component parts, or fractions, based on the differences in volatilities.

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

supertek®

BOROSILICATE GLASS 3.3
1000ml
100ml
supertek
BOROSILICATE GLASS 3.3
500ml
250ml
500ml

General Labware

www.shivsons.com

General Labware

www.shivsons.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.

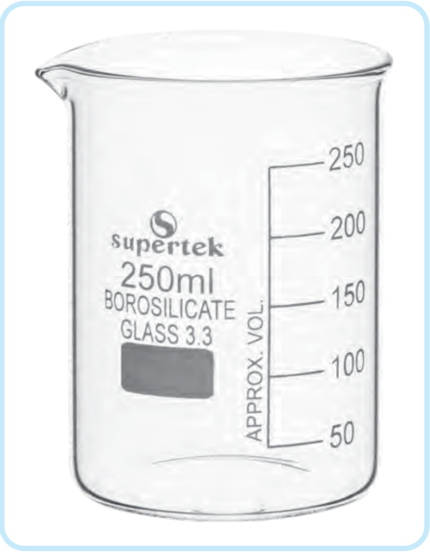
Beaker, Low Form, With Graduation & Spout

- 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

Best Seller
supertek®
500 ml
APPROX VOL.
400
300
200
100

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

supertek
BOROSILICATE GLASS 3.3
250 ml
ml 0 ±5%
50
100
150
200
250 ml ±5%
200
150
100
50

ASTM E-960

A 121 °C

supertek
BOROSILICATE GLASS 3.3
100ml

Best Seller

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
15.108.0250R	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

supertek
BOROSILICATE GLASS 3.3
100ml

supertek
BOROSILICATE GLASS 3.3
50ml

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

ISO 1773

A 121 °C

Dish Washer Durable Print

Flask, Round Bottom, Wide Neck

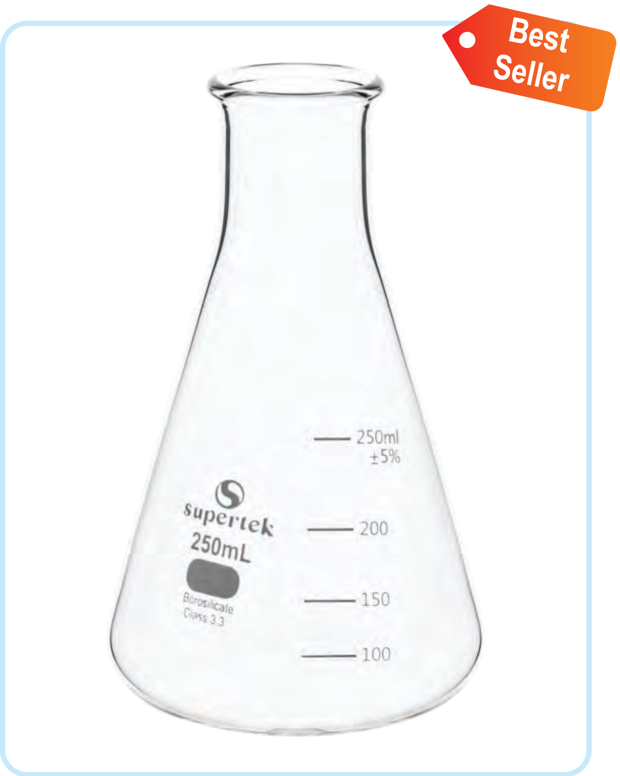
- Conformity to ISO 24450 Standard. Printed in white color
- Uniform wall thickness distribution makes these Flasks ideal for heating
- Strong sturdy rim
- All sizes have a durable matt-finished enameled area for marking

	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

Dish Washer Durable Print

A 121 °C

250ml
±5%
supertek
250mL
200
150
100
Borosilicate
Glass 3.3

Flask, Conical (Erlenmeyer) Graduated, Amber Color*

Conformity to ISO 1773 Standard. Printed in white color

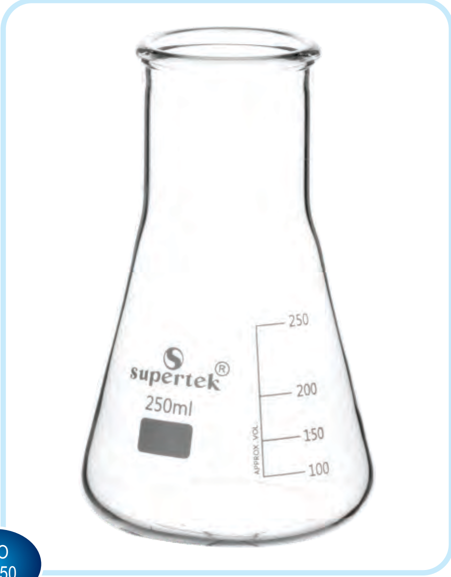
- Uniform wall thickness distribution makes these Flasks ideal for heating
- Strong sturdy rim
- All sizes have an easy to read scale & durable matt-finished enameled area for marking
- The conical form makes them suitable for mixing liquids

	Capacity, ml	Pack Size
15.126.0050	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

supertek
500ml

Flask, Kjeldahl, Long Neck

Designed for Nitrogen Determination as per Kjeldahl Method

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

Dish Washer
Durable
Print

A
121 °C

Flask, Kjeldahl, With Joint

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

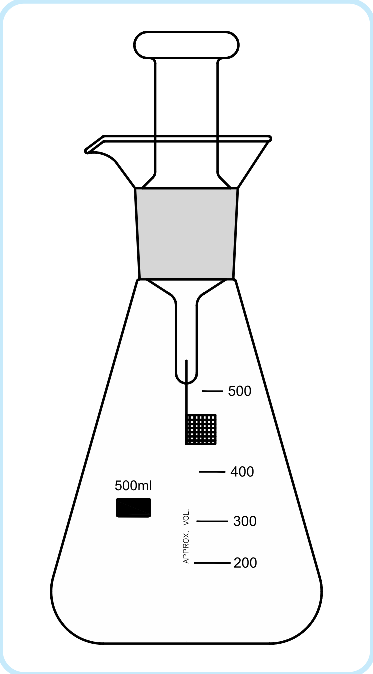
Oxygen Combustion Flasks as per USP

* Complies to ASTM E205 - 96

* Manufactured from 3.3 borosilicate, glass

* Use for the determination of bromine, chlorine, iodine and sulfer

	Capacity, ml	Pack Size
15.139.0250	250	2
15.139.0500	500	2

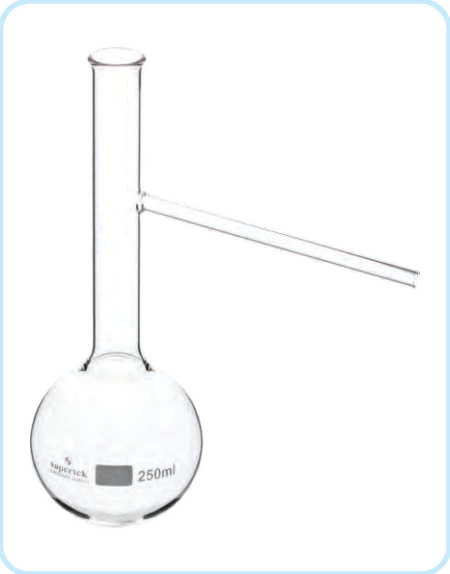


Flask, Distillation

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	64 x 210	2
15.140.0125	125	70 x 215	2
15.140.0250	250	88 x 230	2
15.140.0500	500	110 x 250	1
15.140.1000	1000	130 x 305	1



ASTM
1405

supertek
100ml

Flask, Distillation

with 19/26 joint, side arm

	Capacity, ml	Ht. x OD (mm) Approx	Pack Size
15.144.0125	125	70 x 215	2

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

supertek
100mL
Borosilicate
Glass 3.3

Superior
Strength

supertek®

Flask Round Bottom, Single Neck

	Capacity, ml	Socket Size	Pack Size
15.201.0001	5	10/19	10
15.201.0001A	5	14/20	10
15.201.0002	5	14/23	10
15.201.0003	10	10/19	10
15.201.0003A	10	14/20	10
15.201.0004	10	14/23	10
15.201.0004A	10	19/22	10
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

Best Seller
24/29
supertek
BOROSILICATE GLASS 3.3
100ml

DIN ISO 4797

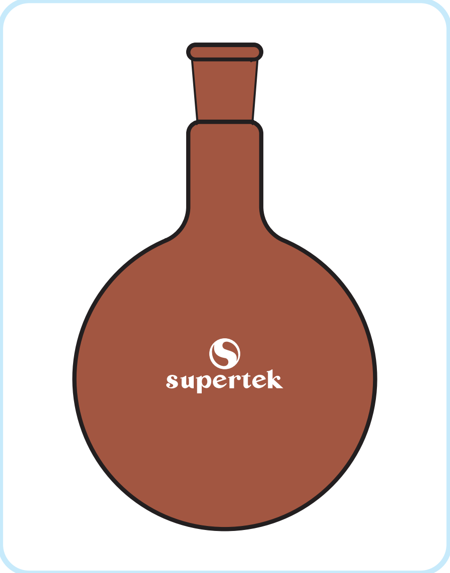
Dish Washer Durable Print

A 121 °C

Flask Round Bottom, Single Neck, Amber Colour

- 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



24/29
supertek
BOROSILICATE GLASS 3.3
250ml

Flask Flat Bottom, Single Neck, Amber Colour

- 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

24/40
supertek
BOROSILICATE GLASS 3.3
100ml

DIN ISO 4797

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

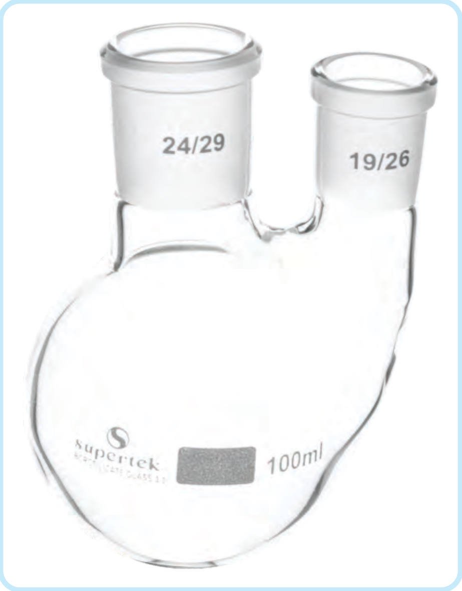
* Non ISO sizes

Dish Washer Durable Print

A
121 °C

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



DIN
12394
24/29
14/23
supertek
BOROSILICATE GLASS 3.3
100ml

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

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

19/26
19/26
19/26
supertek
BOROSILICATE GLASS 3.3
250ml

14/23
29/32
14/23
supertek
BOROSILICATE GLASS 3.3
500ml

DIN 12392

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

Dish Washer Durable Print

A 121 °C

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

19/26
24/29
19/26
supertek
100ml

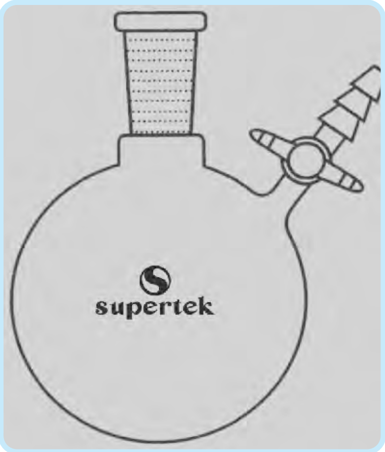
Round Bottom Flask, Four Necks (At An Angle)

	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
15.218.0085	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

29/32
29/32
29/32
supertek
250ml

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



14/23
supertek
BOROSILICATE GLASS 3.3
100ml

Flask Pear Shape, Single Neck

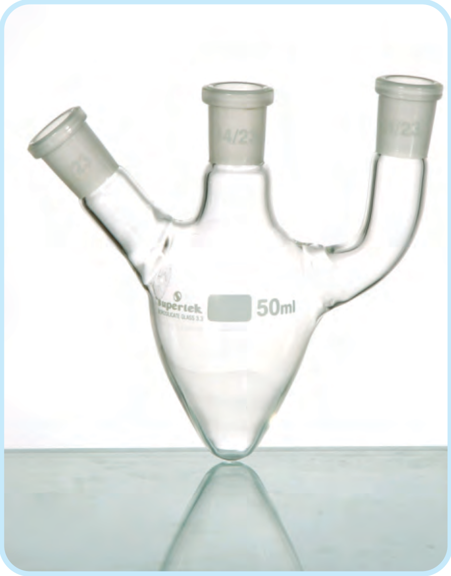
- * Made of 3.3 borosilicate glass
- * The conical shape makes them ideal for small scale reaction
- * Large labelling field

	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

14/23
14/23
supertek
BOROSILICATE GLASS 3.3
100ml

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


supertek
50ml

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

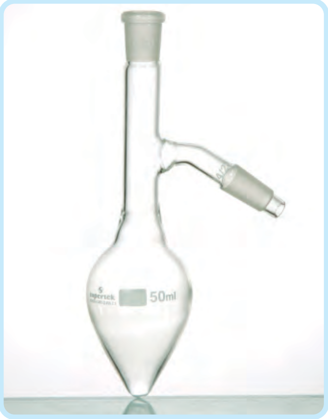
Dish Washer Durable Print

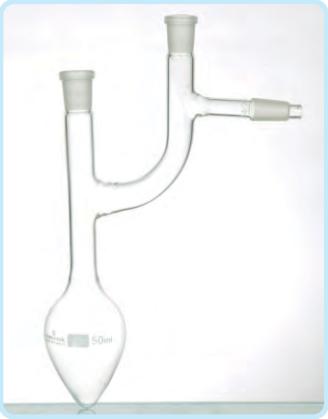
A
121 °C

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

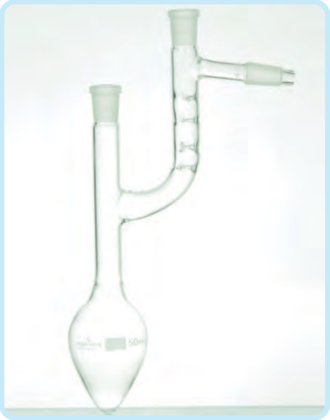
Printed in white color

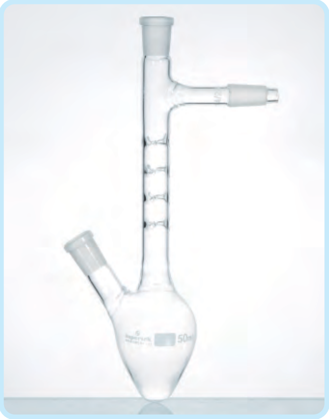
	Capacity, ml	Socket Size	Cone Size	Pack Size
15.236.0010	10	14/23	14/23	2
15.236.0025	25	14/23	14/23	1
15.236.0050	50	14/23	14/23	1
15.236.0100	100	14/23	14/23	1

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

A
121 °C

Dish washer
Durable
Print

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

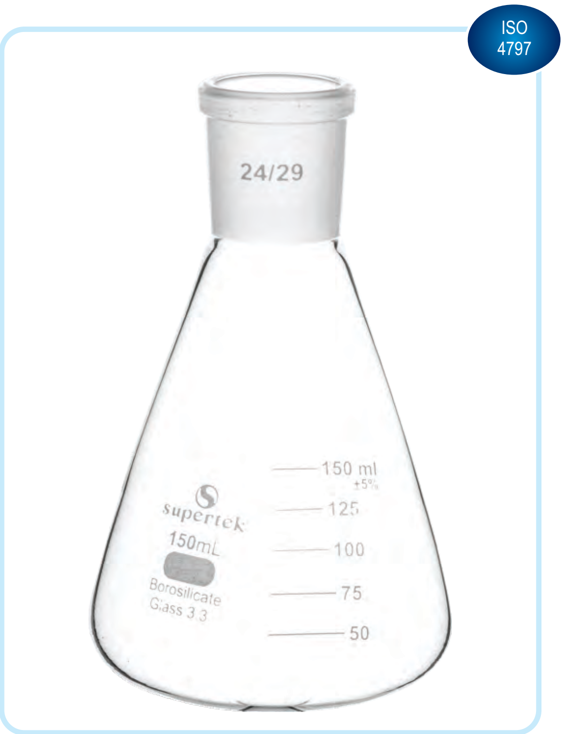
supertek
BOROSILICATE GLASS 3.3
50ml

Note

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

ISO 4797



	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

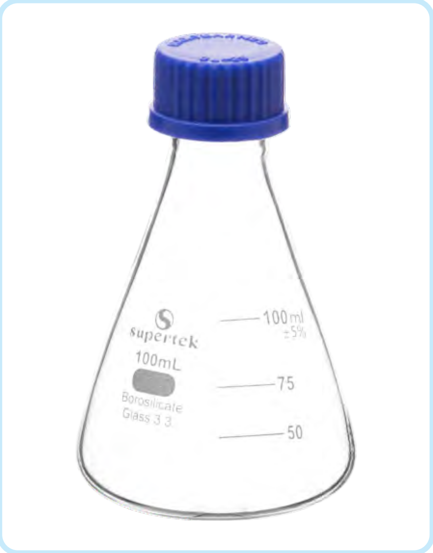
A
121 °C

Dish washer
Durable
Print

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

	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

A
121 °C

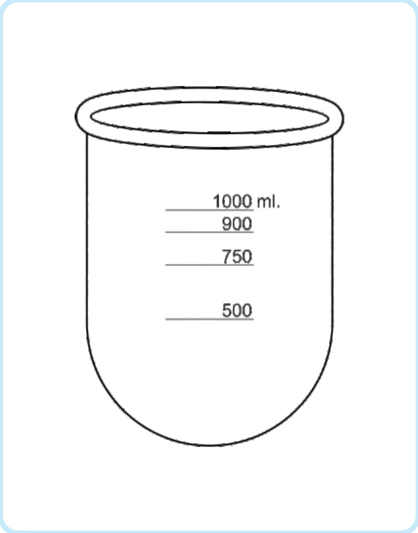
Dish washer
Durable
Print

supertek
250ml
BOROSILICATE
GLASS 3.3

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

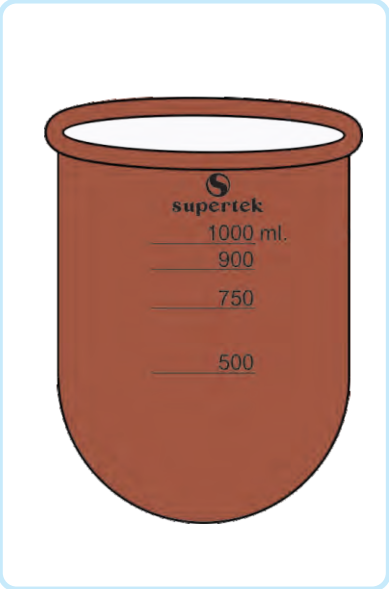
	Capacity, ml	Approx O.D. x Height mm	Pack Size
15.322.1000	1000	131 x 173	6
15.322.2000	2000	131 x 285	2

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
15.326.1000	1000	131 x 173	6
15.326.2000	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
15.328.1000	1000	124 x 173	6
15.328.2000	2000	124 x 285	2

Flask Reaction, Wide Neck

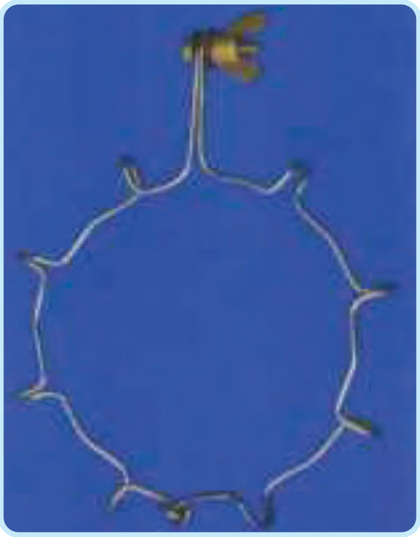
100 mm i.d., 150 mm o.d, flat flange joint

	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

supertek
BOROSILICATE GLASS 3.3
3000ml

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

	Pack Size
15.276.0005	5

A
121 °C

Dish washer
Durable
Print

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	1
15.280.4000	4000	246 x 310	1

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

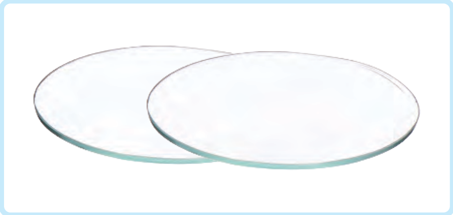
Weighing Scoop

- 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

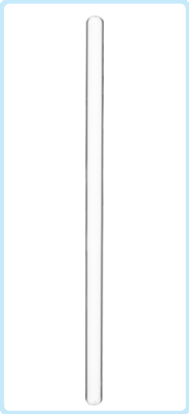
	Diam., mm	Pack Size
CH13090/1A	35	10
CH13090/1	50	10
CH13090/2	65	10
CH13090/3	75	10
CH13090/4	80	10
CH13090/5	100	10
CH13090/7	120	10
CH13090/10	150	10



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.shivsons.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

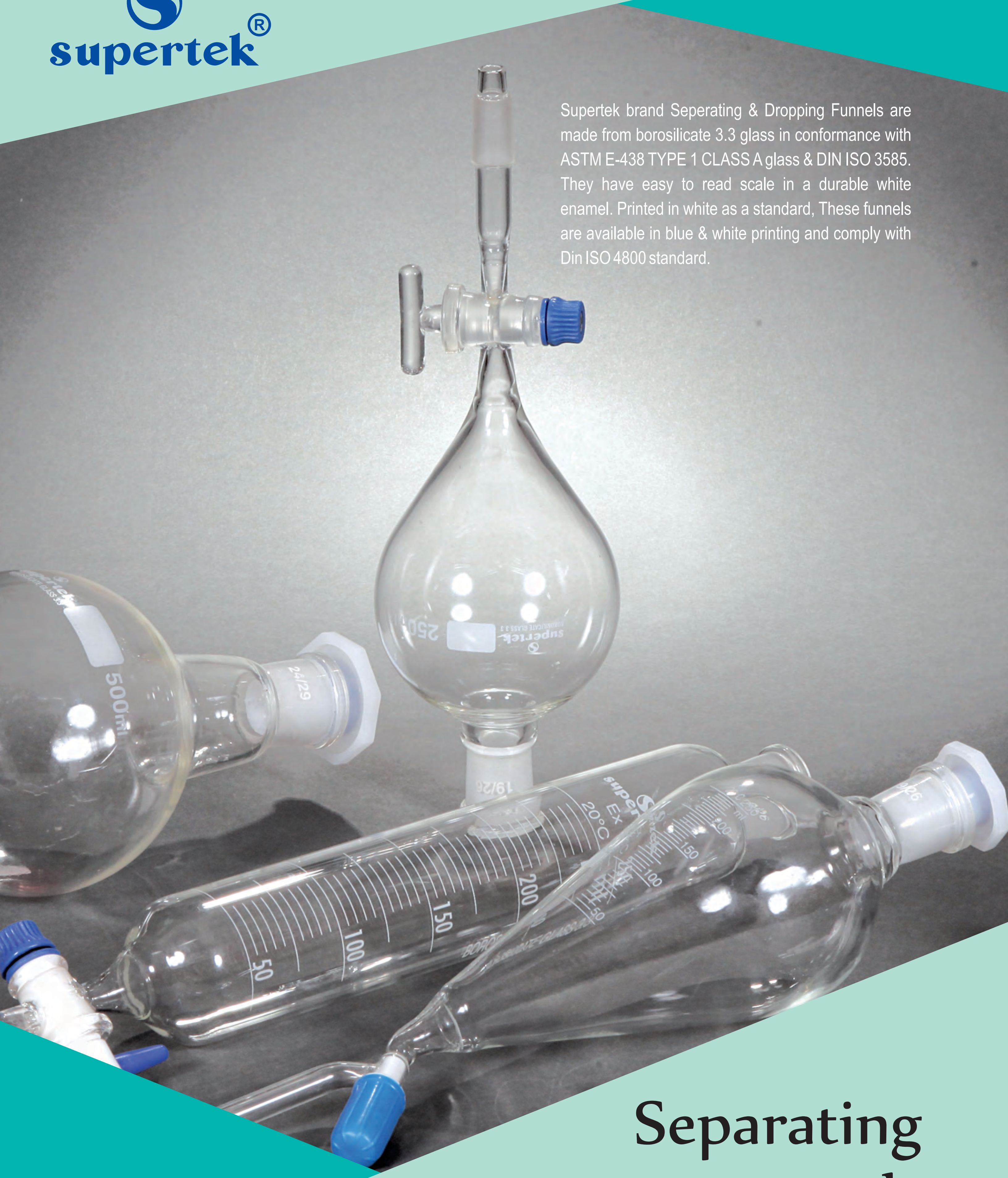
	Funnel diam. Approx., mm	Cone Size	Pack Size
15.308.0005	45	14/23	10
15.308.0010	70	14/23	10
15.308.0015	70	29/32	10
15.308.0020	80	29/32	10
15.308.0025	100	14/23	6
15.308.0028	100	24/29	6
15.308.0030	100	29/32	6
15.308.0035	125	24/29	4
15.308.0040	150	24/29	4
15.310.0055	55	-	10
15.310.0080	80	-	10
15.310.0100	100	-	6
15.310.0125	125	-	4
15.310.0150	150	-	4

A
121 °C

Dish washer
Durable
Print

supertek
BROSILICATE
GLASS 3.3
29/32

supertek®


500ml
24/29
250
supertek
19/26
20°C
Ex
50
100
150
200

Supertek brand Seperating & 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.shivsons.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

DIN ISO 4800

A 121 °C

Dish washer Durable Print

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 (Rotaflo)	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 (Rotaflo)	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

A 121 °C

Dish washer Durable Print

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

Dish washer Durable Print

DIN ISO 4800

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, Cylinderical, With Socket, Glass Stopcock And Stem With Cone

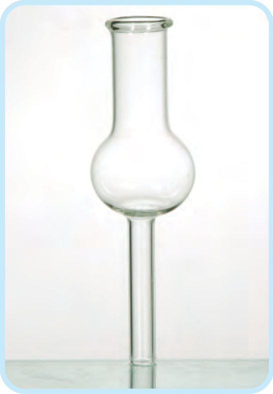
Printed in white color

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 Equalizing Funnel, Pear Shape, With Socket, Glass Stopcock And Stem With Cone

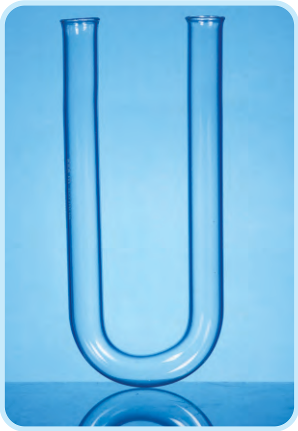
Printed in white color

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



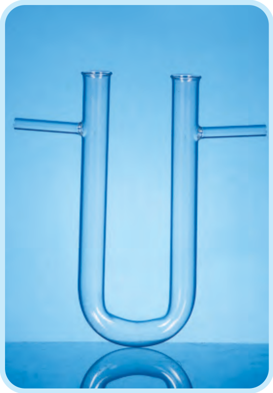
Absorption Tube, Calcium Chloride Straight Form, With One Bulb

	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

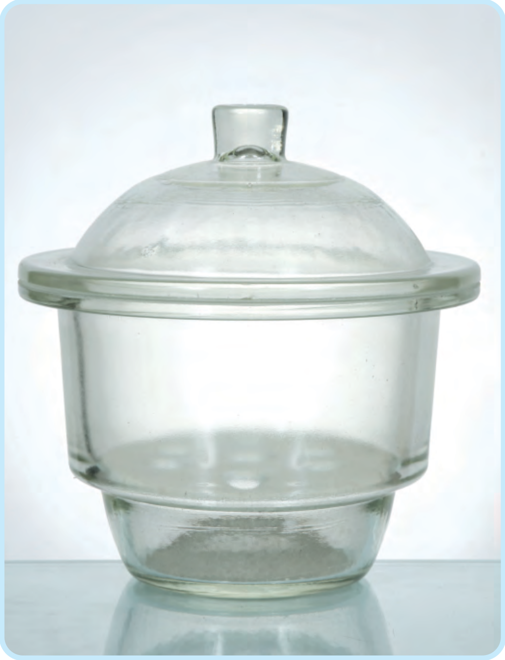
	Length mm	Dia. mm	Pack Size
17.136.0100	100	12	10
17.136.0120	120	15	10
17.136.0150	150	18	10



Absorption Tube, Calcium Chloride U Form With Side Arms

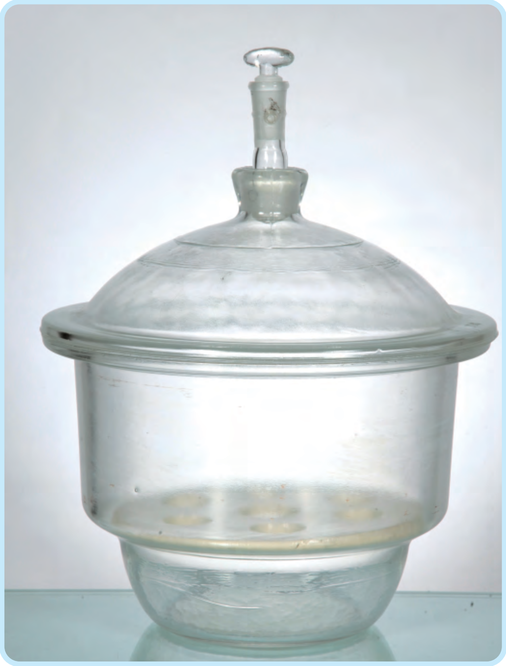
	Length mm	Dia. mm	Pack Size
17.142.0100	100	12	10
17.142.0120	120	15	10
17.142.0150	150	18	10

supertek®
Laboratory Essentials



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

supertek®

Plasticware

For more details go to page no. 165

For more details go to page no. 170

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

supertek
BOROSILICATE
GLASS 3.3

supertek
BOROSILICATE
GLASS 3.3

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

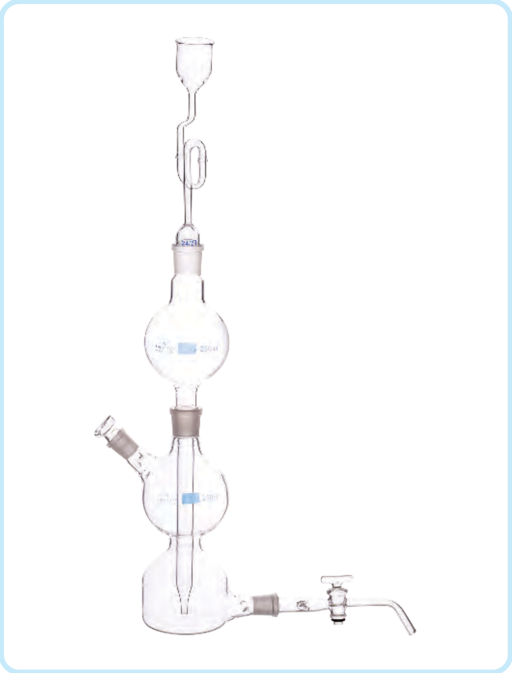
Best
Seller

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

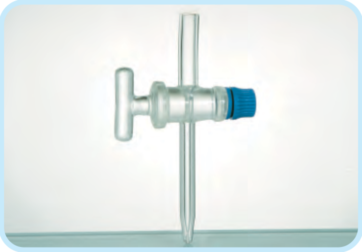
www.shivsons.com

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

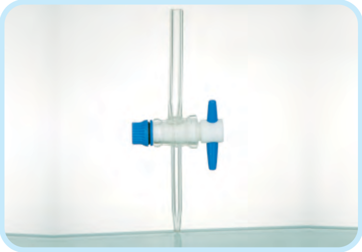
Stopcock, Straight, With Screw Type Needle Valve With PTFE Key (Rotaflo)

	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 Keysize 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

supertek®

APPROX VOL ml
250
200
150
100
50
40/38
supertek
1000ml
BOROSILICATE
GLASS 3.3
250mL
±5%
supertek
250mL
200
150
100
Borosilicate
Glass 3.3
BOROSILICATE
GLASS 3.3
supertek

Sintered Glassware

www.shivsons.com

Sintered Glass

www.shivsons.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 dispension, 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

BOROSILICATE
GLASS
30 ml
G-4

Crucible Gooch, With Sintered Disc

Grade 1	Grade 2	Grade 3	Grade 4	Capacity, ml	Disc, Dia. mm	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	Capacity, ml	Disc, Dia. mm	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

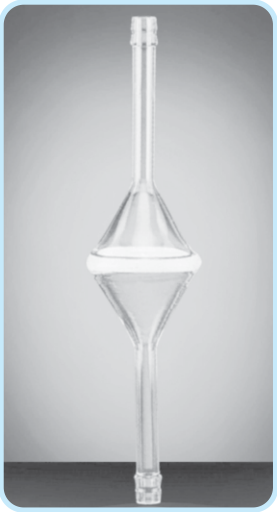
Grade 1	Grade 2	Grade 3	Grade 4	Capacity, ml	Disc, dia. mm	Cone	Pack Size
18.108.0005	18.108.0035	18.108.0065	18.108.0095	35	30	14/23	2
18.108.0010	18.108.0040	18.108.0070	18.108.0100	80	40	14/23	2
18.108.0015	18.108.0045	18.108.0075	18.108.0105	100	50	14/23	2
18.108.0020	18.108.0050	18.108.0080	18.108.0110	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

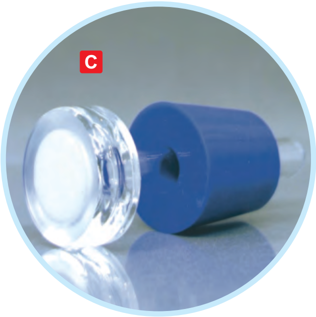
Conical Filter, (hirsch Type) With Sintered Disc

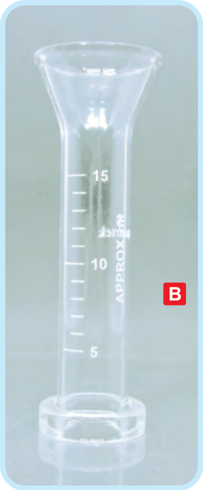
Grade 1	Grade 2	Grade 3	Grade 4	Capacity, ml	Disc, Dia. mm	Pack Size
18.112.0005	18.112.0020	18.112.0035	18.112.0050	20	20	2
18.112.0010	18.112.0025	18.112.0040	18.112.0055	60	30	2
18.112.0015	18.112..0030	18.112.0045	18.112.0060	175	30	2

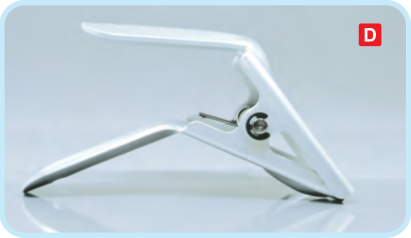
Filtering Tube With Sintered Disc, Sealed In Center With Reduced Ends

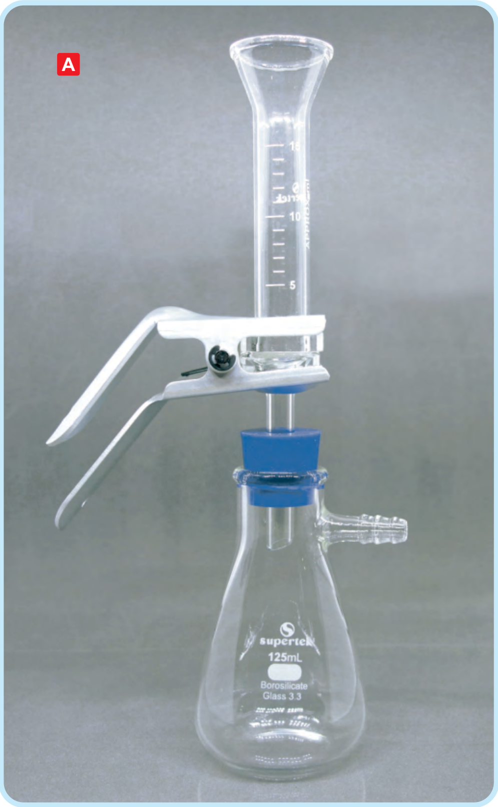
Grade 1	Grade 2	Grade 3	Grade 4	Disc, Dia. mm	Pack Size
18.120.0005	18.120.0030	18.120.0055	18.120.0080	30	2
18.120.0010	18.120.0035	18.120.0060	18.120.0085	40	2
18.120.0015	18.120.0040	18.120.0065	18.120.0090	50	2
18.120.0020	18.120.0045	18.120.0070	18.120.0095	65	2
18.120.0025	18.120.0050	18.120.0075	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 B	15 ml	Funnel for 25 mm filter holder
18.144.0125-2 D	25 mm	Clamp for 25 mm filter holder
18.144.0125-3 C	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

Best Seller

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

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

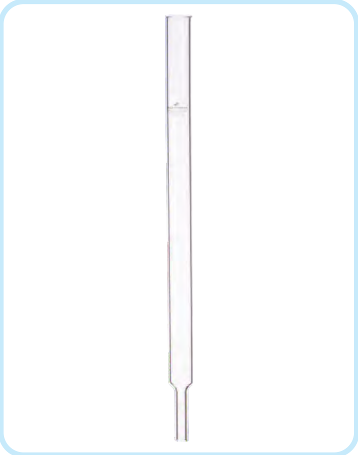
Parts For Gooch Crucible With Rubber Bung, Filtration Assembly Crucible Gooch, With Sintered Disc

Grade 1	Grade 2	Grade 3	Grade 4 ml	Capacity, mm	Disc, Dia.
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, ml	Description
18.149.0015-1	15	Rubber cone for mounting 15ml crucible into adapter
18.149.0030-1	30	Rubber cone for mounting 30ml crucible into adapter
18.149.0050-1	50	Rubber cone for mounting 50ml crucible into adapter
18.149.0015-2	15	Funnel for mounting 15ml crucible into adapter
18.149.0030-2	30	Funnel for mounting 30ml crucible into adapter
18.149.0050-2	50	Funnel for mounting 50ml crucible into adapter
18.149.0015-3	15	Rubber Cork for fitting 15ml funnel into Flask
18.149.0030-3	30	Rubber Cork for fitting 30ml funnel into Flask
18.149.0050-3	50	Rubber Cork for fitting 50ml funnel into Flask
18.149.0125	125	Filter Flask 125 ml
18.149.0250	250	Filter Flask 250 ml
18.149.0500	500	Filter Flask 500 ml
18.149.1000	1000	Filter Flask 1000 ml
18.149.2000	2000	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

supertek®

19/26
supertek
125
supertek
300ml
SILICATE
SS 3.3
19/26
supertek
BOROSILICATE GLASS 3.3
125ml
supertek
BORO
3.3
100ml
APPROX.VOL.
80
60
40
20
MAX.TEMP. 140°C
GL 45
Retrace Code
2461512109
supertek®
BORO
3.3
50 ml
APPROX.VOL.
40
30
20
10
supertek
supertek
BOROSILICATE GLASS 3.3

Bottles

www.shivsons.com

Bottles

www.shivsons.com

supertek
50ml

Best Seller

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	6
12.101.2000	**12.102.2000**	2000	29/32	2

14/23
supertek
60ml

19/26
supertek
125ml

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 color 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	6
12.104.2000	**12.105.2000**	2000	29/32	2

19/26
supertek
125ml

A 121 °C

Dish washer Durable Print

DIN ISO 4796-2

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

supertek
BORO
3.3
100ml
80
60
40
20

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

supertek
50ml
BOROSILICATE
GLASS 3.3
50
40
30
20
10

DIN ISO 4796-1

Best Seller

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

Printed in white color

- Made form 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, Autoclaveable, With Aluminium Cap And Rubber Washer

	Capacity, ml	Pack Size
12.128.0028	28	400

Dish washer Durable Print

MAX.TEMP.140°C
GL 45

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

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

	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, ml	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, ml	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, ml	Pack size
12.122.1000	1000	10

supertek
2000ml

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

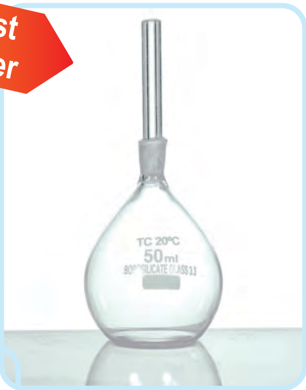
	Capacity, ml	Approx Neck I.d.	Pack Size
12.129.0250	250	18	10
12.129.0500	500	23	10
12.129.1000	1000	28	6
12.129.2000	2000	33	2
12.129.3000	3000	44	1
12.129.5000	5000	44	1
12.129.9910	10000	54	1
12.129.9920	20000	54	1

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 enameled 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

supertek A 25ml

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)

	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

	Capacity, ml	Pack Size
12.135.0010	10	6
12.135.0025	25	6
12.135.0050	50	6
12.135.0100	100	6

supertek
BOROSILICATE GLASS 3.3

Weighing Bottle, Tall Form

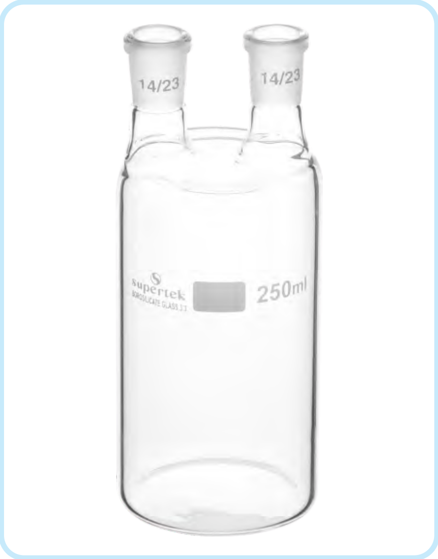
- These bottles are strong and chemical resistant
- Made of borosilicate glass 3.3

	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

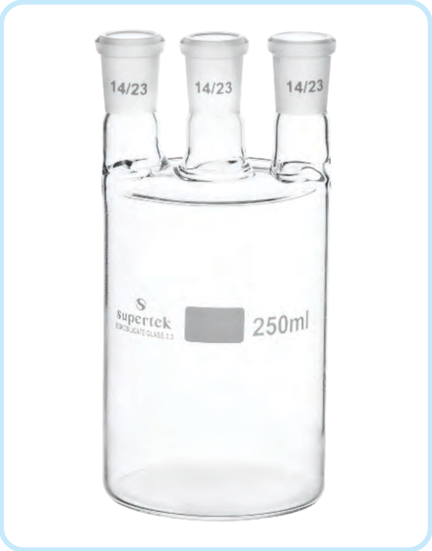
supertek
BOROSILICATE GLASS 3.3


14/23
14/23
supertek
250ml

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


14/23
14/23
14/23
supertek
250ml

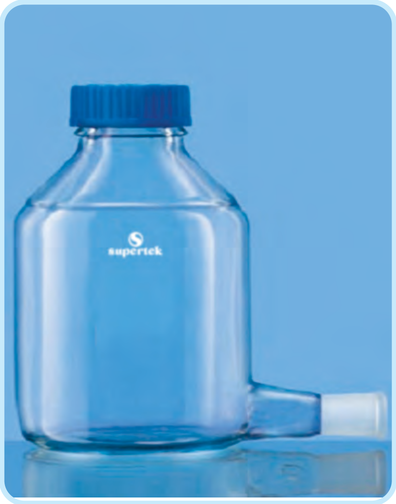
Woulff Bottle, Three Necks

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

19/26
supertek
500ml

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

24/29
24/29
supertek

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

Penny head 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.

supertek
300ml

supertek®

Plasticware

For more details go to page No. 153,155,158

Tubes

www.shivsons.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

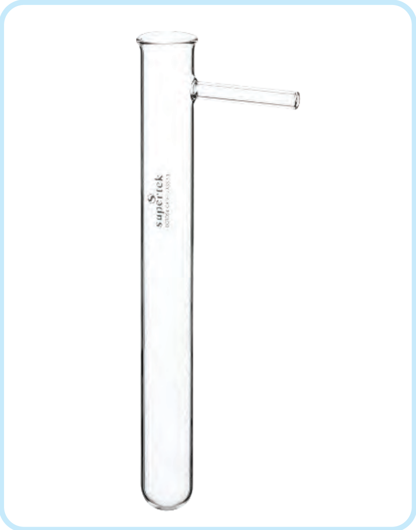
Fire polished rim and uniform wall thickness
Conformity to ISO 4142

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

Best Seller
supertek
ISO 4142

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

supertek
BOROSILICATE GLASS 3.3

	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	100
17.112.0060	**17.113.0060**	60	200 x 25	100

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	100
17.120.2520	**17.121.2520**	200 x 25	19/26	100
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	100
17.124.0020	**17.125.0020**	200 x 25	50	1	19/26	100

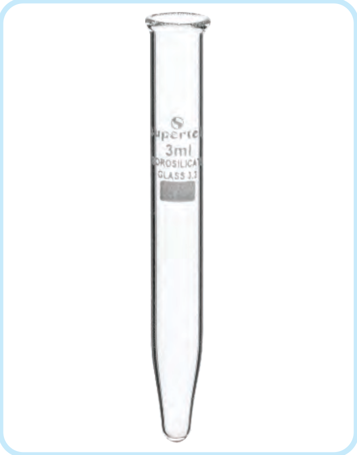
Tube, T Or Y Shape For Connection

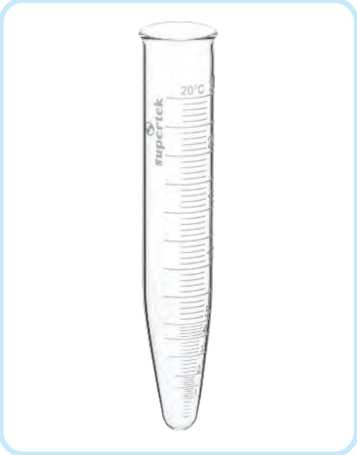
T shape	Y shape	Diam.,mm	Pack Size
17.129.0007	**17.130.0007**	7	12
17.129.0010	**17.130.0010**	10	12
17.129.0012	**17.130.0012**	12	12

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	100
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	100
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	100

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	100

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 orbottles 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 there commended standard operating procedures.

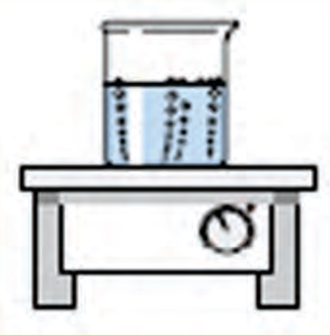
- When stirring solutions in glass vessels, such as beakers and flasks, avoid using stirring rods with sharp ends which can scratch and weaken the glassware.
- Use of hydrofluoric acid, hot phosphoric acid and strong hot alkalis can cause corrosion and should be avoided.
- Do not mix concentrated sulphuric 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

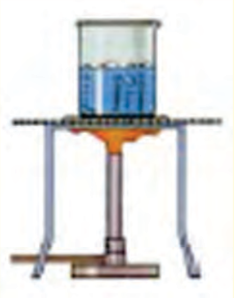
The maximum recommended working tempera- ture for glassware is 500°C(for short periods only). However, once the temperature exceeds 150°C extra special careshould be taken to ensure that heating and cooling is achieved in a slow and uniform manner.

- 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, neverput cold glassware onto a hotplate which is already well heatedWarm 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 conse-quent 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 considerabley 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 ensue 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.

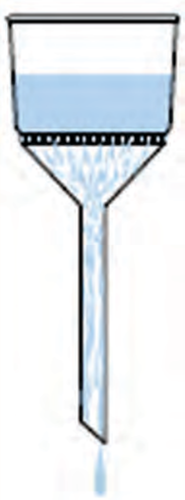
- Carefully rock the cone in its socket to achieve separation.

- 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 100kN/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

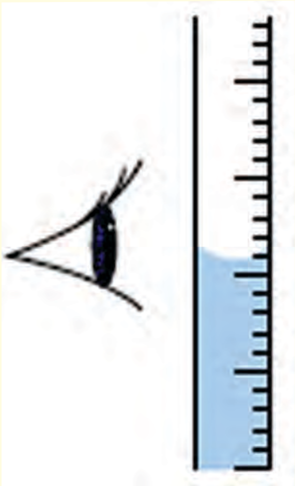
Do ensure that all volumetric glassware is kept scrupulously clean. Dirt, and especially grease, can distort the shape of the meniscus and also cause droplets of liquid to adhere to the vessel walls. Both seriously impair accuracy. Good cleanliness is indicated by uniform wetting of the glass surface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

- Do not expose volumetric glassware to direct heat e.g. hotplates, bunsen flame.

- Autoclaving at 121°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

FILTER PAPERS

FILTER PAPER
supertek
FILTER PAPER
QUALITATIVE
125 mm ø
GRADE 3
FILTER PAPER
supertek
FILTER PAPER
QUALITATIVE
125 mm ø
GRADE 2
FILTER PAPER
supertek
FILTER PAPER
QUALITATIVE
125 mm ø
GRADE 1
125 mm ø x 100 Circles
Lot No.
FILTER PAPER

supertek
FILTER PAPER
QUALITATIVE
150 mm ø
GRADE 1
GRADE 2
GRADE 3
GRADE 4
GRADE 5

supertek® Cellulose filter paper are manufactured from virgin cellulose fiber and used for general filtration. At Present we offer 1 to 6 grade filter paper with particle retention upto 2.5 µm to suit different laboratory applications. These cellulose filters are used in qualitative analytical techniques to determine and identify materials.

supertek® Filter papers are made on high tech machines and undergo a strict quality control both during production as well as packing.

Grade 1: 9 µm,

Grade 1 filter paper is the most widely used filter paper for routine applications with medium retention and flow rate.

This grade covers a wide range of laboratory applications and is frequently used for clarifying liquids. Traditionally the grade is used in qualitative analytical separations for precipitates such as lead sulfate, calcium oxalate (hot), and calcium carbonate.

It is used for soil analysis and seed testing procedures. In the food industry, Grade 1 is used for numerous routine techniques to separate solid foodstuffs from associated liquid or extracting liquid and is widely used in education for teaching simple qualitative analytical separations.

	Diameter, mm	Qty / Pack
FP-001-090	90	100
FP-001-110	110	100
FP-001-125	125	100
FP-001-150	150	100
FP-001-185	185	100
FP-001-215	215	100
FP-001-240	240	100

Grade 2: 9 µm,

Grade 2 filter paper is slightly more retentive and having more absorbing power than Grade 1 with a corresponding increase in filtration time. In addition to general filtrations, the extra absorbency is utilized, for example, to hold soil nutrient in plant growth trials. Also used for monitoring specific contaminants in the atmosphere and in soil testing.

	Size, mm	Qty / Pack
FP-002-090	90	100
FP-002-110	110	100
FP-002-125	125	100
FP-002-150	150	100
FP-002-185	185	100
FP-002-215	215	100
FP-002-240	240	100

Grade 3: 5 µm,

Grade 3 filter paper is almost double the thickness of Grade 1 with still finer particle retention and excellent loading capacity; more precipitate can be held without clogging. The extra thickness gives increased wet strength and makes this grade highly suitable for use in Buchner funnels. The high absorbency is particularly valuable when the paper is used as a sample carrier.

	Size, mm	Qty / Pack
FP-003-090	90	100
FP-003-110	110	100
FP-003-125	125	100
FP-003-150	150	100
FP-003-185	185	100
FP-003-215	215	100
FP-003-240	240	100

GRADE 4: 22 µm,

Grade 4 filter paper is a standard grade filter paper used when high flow rates in air pollution monitoring are required and the collection of fine particles is not critical. Grade 4 filter paper is extremely fast filter paper with excellent retention of coarse particles and gelatinous precipitates such as ferric hydroxide and aluminum hydroxide . Very useful as a rapid filter for routine clean-up of biological fluids or organic extracts during analysis. These cellulose filters are used in qualitative analytical techniques to determine and identify materials.

	Diameter, mm	Qty / Pack
FP-004-090	90	100
FP-004-110	110	100
FP-004-125	125	100
FP-004-150	150	100
FP-004-185	185	100
FP-004-215	215	100
FP-004-240	240	100

GRADE 5: 2.5-3 µm,

Grade 5 filter paper is a standard grade clarifying filter paper excellent for cloudy suspensions and for water and soil analysis. This grade of filter papers provides maximum degree of fine particle filtration in the qualitative range. Capable of retaining the fine precipitates encountered in chemical analysis. Slow flow rate.

	Diameter, mm	Qty / Pack
FP-005-090	90	100
FP-005-110	110	100
FP-005-125	125	100
FP-005-150	150	100
FP-005-185	185	100
FP-005-215	215	100
FP-005-240	240	100

General Properties of supertek® Filter Papers

Grade	Particle Retention Liquid, µm	Initial Filtration Speed (Secs/100 ml)	Thickness, mm	Weight, g/m2	Dry Bursting Strength, kPa
Qualitative					
1	9	155	0.20	87	89
2	9	250	0.21	98	108
3	5	325	0.40	180	187
4	22	38	0.21	95	67
5	2.5-3	1480	0.21	95	173

General Properties of supertek® Filter Papers (Ashless)

Grade	Particle Retention Liquid, µm	Product Appearance	Filtration Speed	Ash Content (%)	Basis Weight (g/m2)	Thickness, (mm)
Quantitative						
40	**8**	**Smooth**	**Medium**	**< 0.007**	**90-95**	**0.21**
41	**20-25**	**Smooth**	**Fast**	**< 0.007**	**80-90**	**0.19-0.25**
42	**2.5**	**Smooth**	**Slow**	**< 0.007**	**90-100**	**0.18-0.20**

Filter Paper Grade S40

Quantitative, Pack of 100

	Diameter, mm
FP-040-090	90
FP-040-110	110
FP-040-125	125
FP-040-150	150

Filter Paper Grade S41

Quantitative, Pack of 100

	Diameter, mm
FP-041-090	90
FP-041-110	110
FP-041-125	125
FP-041-150	150

Filter Paper Grade S42

Quantitative, Pack of 100

	Diameter, mm
FP-042-090	90
FP-042-110	110
FP-042-125	125
FP-042-150	150

LAB INSTRUMENTS

HOT PLATE STIRRER
WATER BATH SEROLOGICAL
VORTEX MIXER
Speed Control
HOT PLATE
HEAT CONTROL
HOT PLATE

AUTOCLAVE, DIGITAL

This autoclave is used for sterilization purposes.
Sterilization is the complete destruction of all micro organisms including the most resistant bacteria and spores. It uses a heater assembly at the bottom for making dry saturated steam for effective sterilization.

Fitted with an ON/OFF illuminated rocker switch, preset temperature controller linked to a preset timer (preset at approx 121 degrees C/15-16psi) and one stainless steel drum. Pressure is indicated by a pressure gauge. LED for the heater is provided.

DIGITAL AUTOCLAVE
TEMP CONTROLLER
supertek
CE CERTIFIED

Technical Specifications :

Overall Size – 500 x 400 x 500 mm (L x W x H)	Container Size – 300 x 300 mm (OD x HT)
Container Thickness – 3 mm	Stainless steel construction
Heater : 2KW	Pressure : 15-22 psi
PID Controller for heater	With Low Water level Indicator

CH11027D

supertek
SEROLOGICAL WATER BATH
CE CERTIFIED

supertek
WATER BATH SEROLOGICAL
Temp. Controller
CE CERTIFIED

WATER BATH, SEROLOGICAL (SEAMLESS)

Double walled, inner chamber of stainless steel, outer made of stove enamelled mild steel, with insulation in between, Thermostatic temperature control from 5°C above room temperature to 95°C with accuracy ±0.5°C. Bath has a stainless steel cover, perforated and removable shelves, drain plug, two indicator lights, thermostat control knob , heater with automatic cut-out. Supplied without racks. Works on 220V AC / 50 Hz.

	Inner chamber size, mm	Capacity, Ltr.
CH10124A/1	300 x 250 x 175 (for 2 racks)	14
CH10124A/2	325 x 300 x 175 (for 4 racks)	17
CH10124A/3	450 x 300 x175 (for 6 racks)	23

WATER BATH, SEROLOGICAL, DIGITAL

These unstirred water baths are ideal for general laboratory use and are economical, reliable and very cost effective. Comprising of a high quality corrosion resistant seamless stainless steel tank, with a bright clean finish housed in a durable painted outer case. Painted surfaces feature anti-bacterial finish with good chemical resistance. The digital PID controller provides precise temperature control from 5°C above ambient temperature to 99°C with accuracy ±0.1°C.Bath includes a stainless steel cover and perforated shelf.

	Inner chamber size, mm	Capacity, Ltr.	Drain Included
CH10124D/5	290 x 230 x 110	6	Yes
CH10124D/1	290 x 230 x 160	12	Yes
CH10124D/2	500 x 300 x 160	24	Yes
CH10124D/3	620 x 500 x160	48	Yes

TRIPLE WATER BATH

The triple water bath features three independently controlled unstirred water baths in one unit. It includes three stainless steel tanks with individual precise controls, allowing each chamber to have a different temperature and water levels. Each tank also includes a removable stainless steel perforated shelf

Technical Specification

Temperature Range : Ambient + 5°C - 99°C
Temperature Control : Analog
Sensitivity / Uniformity : ±1°C / ±1°C
Heater Power : 3 x 400 W
Voltage : 230 V (± 10%), 50/60 Hz
Tank Capacity : 3 x 4 L
External Dimensions (W x D x H) : 535 x 332 x 290 mm

Water Level (Max.) : 130 mm
Water Level (Min.) : 45-55 mm
Body Weight : 15 Kg (Approx.)
Heating Time (When covered with Lid) : 60 min
Low Water Safety : Led indication with auto cut off
CH10124T/6

HEATING MANTLES

Heating mantles are used to uniformly heat various round bottom glassware vessels such as flasks, by placing them directly on the heating element without substantially increasing the risk of glass shattering. These heating mantles are made of rolled aluminium body. The heating element is flexible, insulated and anchored securely in glass fabric. The temperature of heating element can go upto 350°C, controlled through energy regulator.

Note: The heating element cording may be slightly brown in color.
This is a result of testing during the QC process.

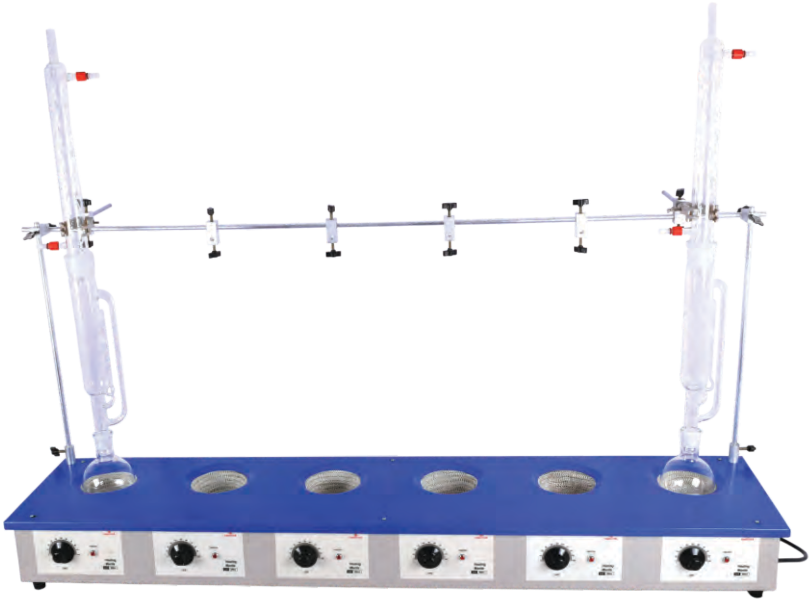
	Capacity, ml	Rating (W)
CH11161/1	50	60
CH11161/2	100	60
CH11161/3	250	150
CH11161/4	500	200
CH11161/5	1000	300
CH11161/6	2000	450
CH11161/7	3000	450
CH11161/8	5000	600

HEATING MANTLES, DIGITAL

Heating mantles are used to uniformly heat various round bottom glassware vessels such as flasks, by placing them directly on the heating element without substantially increasing the risk of glass shattering. These heating mantles are made of rolled aluminium body. The heating element is flexible, insulated and anchored securely in glass fabric. The temperature of heating element can go upto 350°C. PID microprocessor controller provides precise temperature regulation of external probe. Includes external temperature probe, support rods and clamps.

Note: The heating element cording may be slightly brown in color. This is a result of testing during the QC process.

	Capacity, ml	Rating (W)
CH11161D/3	250	150
CH11161D/4	500	200
CH11161D/5	1000	300
CH11161D/6	2000	450
CH11161D/7	3000	450
CH11161D/8	5000	600



HEATING MANTLE, MULTI POSITION

These multi position heating mantles are designed to heat between 3 and 6 round bottom flasks simultaneously. They are often used for distillation, extraction and reflux procedures, wherever heating of multiple flasks is required. Each heating mantle can be regulated with its individual built-in temperature controller. Maximum operating temperature of heating elements is 350°C. Vented housing and unique air flow ensures unit is cool to touch. These units include support rods and clamps.

Note: The heating element cording may be slightly brown in color. This is a result of testing during the QC process.

	No. of Position	Capacity, ml	Rating (W)
CH11162A/1	3	100	300
CH11162A/2	3	250	450
CH11162A/3	3	500	600
CH11162A/4	3	1000	900
CH11162B/1	6	100	600
CH11162B/2	6	250	900
CH11162B/3	6	500	1200
CH11162B/4	6	1000	1800

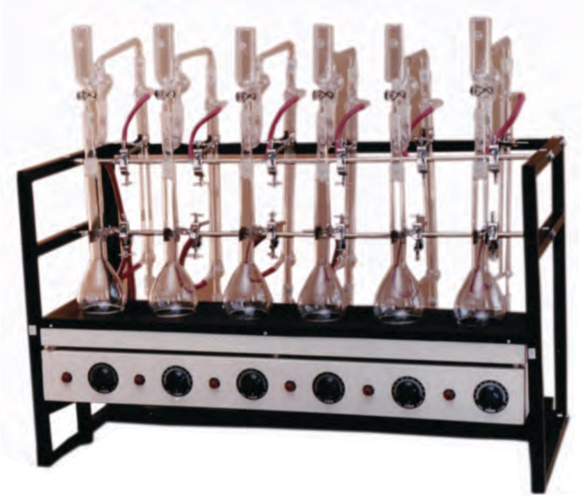
SOXHLET EXTRACTION HEATING UNIT

Unit comprises a compact box section of mild steel housing, Heating mantles consist of coiled element supported by glass yarn net. These flexible units ensure close contact with flask surface and even distribution of heat. The housing has two vertical and two horizontal rods with clamps to fix glass apparatus. Each heating mantle is provided with an energy regulator and indicator lamp. Without glass parts.

CH11164/3	Unit of three mantles, 375 watt
CH11164/6	Unit of six mantles, 750 watt

GLASS PARTS FOR ABOVE

CH11164S



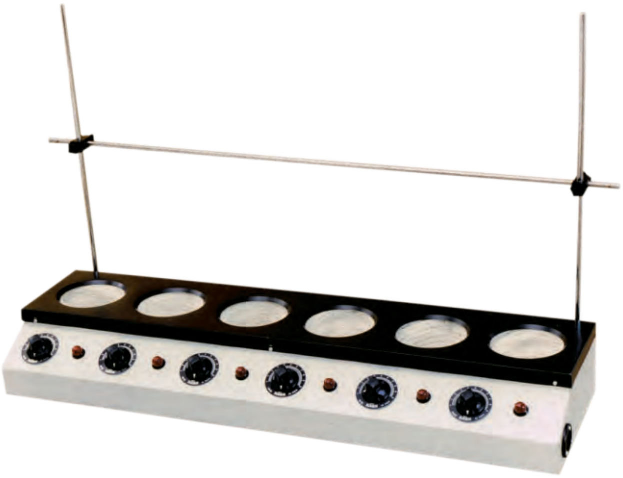
KJELDAHL DISTILLATION UNIT

Useful for distillation for 300 and 500 ml flasks, provided with tubular stand and brass condenser rack. Each heating mantle is provided with an energy regulator and indicator lamp, with six heating mantles, without glass parts.

CH11165

GLASS PARTS FOR ABOVE

CH11165S



KJELDAHL DIGESTION UNIT

Useful for estimation of nitrogen contents of substances by digestion, for 300 and 500 ml flasks. Provided with lead fume duct, mild steel stand and pair of hangers. Each heating mantle has an energy regulator and indicator lamp, without glass parts. Unit with six heating mantles.

CH11166

GLASS PARTS FOR ABOVE

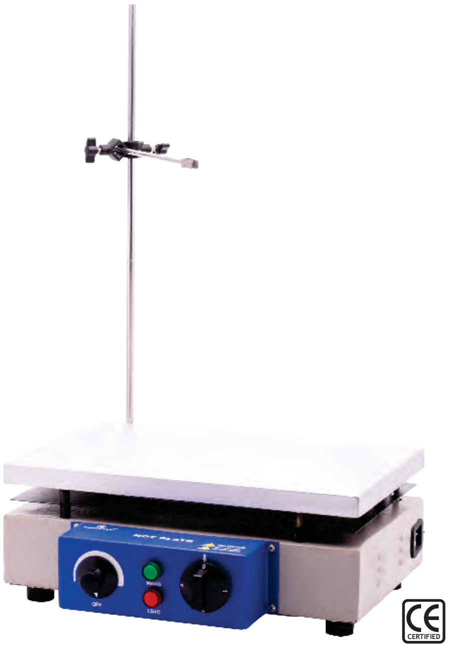
CH11166S

HOT PLATE
HEAT
OFF
HEAT CONTROL
supertek

LABORATORY HOT PLATE, ROUND

This general purpose hot plate consist of top surface of dia 20 cm (8") that is mounted on a MS body. The top surface encloses an 800W heating element. Maximum temperature of top surface can go upto 350 °C. The temperature is controlled by an energy regulator. Includes support rods and clamps.

	Size	Rating	Input Rating
CH11168B/1	Dia 20 cm (8")	800 W	110V AC / 60 Hz
CH11168B/2	Dia 20 cm (8")	800 W	220V AC / 50 Hz



LABORATORY HOT PLATE, RECTANGULAR

This heavy duty hot plate consist of rectangular, cast iron plate mounted on top of MS body. The top plate encloses a heavy duty heating element. Maximum temperature of top surface can go upto 350°C. Temperature is controlled by a three-position rotary switch and energy controller. Includes support rods and clamps.

	Size	Rating
CH11170/1	30 x 25 cm (12 x 10")	1.2 kW
CH11170/2	40 x 25 cm (16 x 10")	1.2 kW
CH11170/3	45 x 30 cm (18 x 12")	1.6 kW

LABORATORY HOT PLATE, RECTANGULAR, DIGITAL

This heavy duty hot plate consist of rectangular, cast iron plate mounted on top of MS body. The top plate encloses a heavy duty heating element. Maximum temperature of top surface can go upto 350°C. Temperature is controlled by a PID controller. PID controller provides precise temperature regulation of external probe. Includes external temperature probe, support rods and clamps.

	Size	Rating
CH11170D/1	30 x 25 cm (12 x 10")	1.2 kW
CH11170D/2	40 x 25 cm (16 x 10")	1.2 kW
CH11170D/3	45 x 30 cm (18 x 12")	1.6 kW

HEATING MANTLE WITH STIRRER

These are specially designed to meet laboratory requirement of convenient stirring and simultaneous uniform heating by heating mantles. These have two tier constructions with the upper part consisting of heating element while the lower part has the motor for stirring.

Accurate step-less speed control allows smooth variation up to 1200 rpm. Heating element is controlled by energy regulator. The temperature of heating element can go upto 350°C. Includes support rods and clamps.

Note: The heating element cording may be slightly brown in color. This is a result of testing during the QC process.

	Capacity, ml	Rating (W)
CH11172/1	50	60
CH11172/2	100	60
CH11172/3	250	150
CH11172/4	500	200
CH11172/5	1000	300
CH11172/6	2000	450
CH11172/7	3000	450
CH11172/8	5000	600

LABORATORY HOT PLATE, ADVANCED

The advanced hot plate has glass ceramic top plate that offers excellent chemical resistance against strong acids and bases. PID temperature technology controls heating process ensuring that set temperature is reached quickly and accuracy is enhanced. The body is made of die-cast aluminum body and finished with a high-quality anti-corrosion coating. The advanced hot plate is designed to provide reliable performance, dependable safety and precise control.

Technical Specifications

Top Plate: Chemical resistant glass ceramic plate
Top Plate Dimensions: 180 x 180 mm
Max. Capacity: 5 L
Working Temperature Range: RT – 380°C
Hot plate indication
Independent display for Set and Actual Temperature.
Dimensions: 360 x 230 x 135 mm
Weight: 4.8 Kg

	Top Plate	Max. Temp (°C)	Rating	Input Rating
CH11171D/1	Glass Ceramic	380	1 kW	110V AC/60 Hz
CH11171D/2	Glass Ceramic	380	1 kW	220V AC/50 Hz

HEATING MANTLE WITH STIRRER, DIGITAL

These are specially designed to meet laboratory requirement of convenient stirring and simultaneous uniform heating by heating mantles. These have two tier constructions with the upper part consisting of heating element while the lower part has the motor for stirring.

Accurate step-less speed control allows smooth variation up to 1200 rpm. The temperature of heating element can go upto 350°C. PID microprocessor controller provides precise temperature regulation of external probe. Includes external temperature probe, support rods and clamps.

Note: **The heating element cording may be slightly brown in color. This is a result of testing during the QC process.**

	Capacity, ml	Rating (W)
CH11172D/3	250	150
CH11172D/4	500	200
CH11172D/5	1000	300
CH11172D/6	2000	450
CH11172D/7	3000	450
CH11172D/8	5000	600

MELTING POINT APPARATUS

This product is used to determine the melting points up to 450°C. We can measure 3 samples simultaneously. The temperature is regulated by the knob fitted on front panel. A white LED is given inside the unit for clearest view of the melting process. A lens window is also provided at front panel for the best view of melting process. We Can Also Change the Background behind the capillary tubes with the help of a knob given at the back side.

CH11513B

MAGNETIC STIRRER

With continuously variable stirring speed, ON/ OFF switch with indicator lamp and continuous speed control mounted on front panel, Complete with 2 No. Teflon coated stirrer bar, of size 9 x 25 mm & 9 x 35 mm. Speed 50-1500 rpm., Capable of stirring up to 2 liters.

CH12393

HOT PLATE MAGNETIC STIRRER

Hot Plate Magnetic Stirrer is used for simultaneous heating and stirring of solutions. Two control knobs on the front panel allow you to set heat output and stirring speed independently. These are equipped with powerful heating elements providing very quick heating of the samples. The integrated circuit allows user to precisely control the temperature and speed. Includes Teflon coated stirrer bar, support rods and clamps.

	Max. Capacity	Top Plate	Max. Temp (˚C)	Max. Stirring Speed (RPM)	Input Rating
CH12395B/1A	500ml	Aluminium	350	1500	110V AC/60 Hz
CH12395B/2A	500ml	Aluminium	350	1500	220V AC/50 Hz
CH12395B/1C	500ml	Ceramic Coated	380	1500	110V AC/60 Hz
CH12395B/2C	500ml	Ceramic Coated	380	1500	220V AC/50 Hz
CH12395H/1A	5L	Aluminium	350	1500	110V AC/60 Hz
CH12395H/2A	5L	Aluminium	350	1500	220V AC/50 Hz
CH12395H/1C	5L	Ceramic Coated	380	1500	110V AC 60 Hz
CH12395H/2C	5L	Ceramic Coated	380	1500	220V AC/50 Hz

VORTEX MIXER

The vortex mixer mixes the contents of centrifuge tube, test tube or small flask thoroughly and quickly. This economical, easy-to-use vortex mixer can be set to run over a long period of time. The speed of mixing can be controlled by the rotating knob. Maximum RPM is 2000.

	Type	Input Rating
CH12400/1	Continuous	110V AC / 60 Hz
CH12400/2	Continuous	220V AC / 50 Hz
CH12400T/1	Touch	110V AC / 60 Hz
CH12400T/2	Touch	220V AC / 50 Hz

HOT PLATE MAGNETIC STIRRER, ADVANCED

This advanced hot plate magnetic stirrer is designed to provide reliable performance, dependable safety and precise control. The high density glass ceramic top plate offers excellent chemical resistance against strong acids and bases. PID temperature technology controls heating process ensuring that target temperature is reached quickly and accuracy is enhanced. It also has excellent speed control upto 1500 rpm, giving you gentle and precise control of the stirring speed. The body is made with heat-resistant and anti-corrosion die-cast aluminum body and finished with a high quality powder coating.

CE CERTIFIED

Technical Specifications

Top Plate: Chemical resistant glass ceramic plate
Top Plate Dimensions: 180 x 180mm
Max. Capacity: 5 L
Temperature Range: RT – 520°C
Hot plate indication
Selection of hot plate temperature and external probe temperature.
Selection of temperature in °C and °F.
Heat Output: 800 W
Stirring Range: Upto 1500 rpm
Independent display for RPM and Temperature.
Error code display for any kind of failure.
Includes stirring bar, support rods, clamps and external probe.
Dimensions:360x230x135 mm
Weight: 5.5 Kg

	Max. Capacity	Top Plate	Max. Temp (°C)	Max. Stirring Speed (RPM)	Input Rating
CH12395H/1G	5L	Glass Ceramic	520	1500	110V AC / 60 Hz
CH12395H/2G	5L	Glass Ceramic	520	1500	220V AC / 50 Hz

WATER STILL

Easy to use, safe to operate and is designed for trouble free continues operation. Suitable for general laboratory use.

Features:
The still produces 4 litres/hr of distilled water through a 3 kW heater housed in a horizontal borosilicate glass boiler.

Boiler & Condenser:
Are made of heat resistant borosilicate glass and are designed for high efficiency, boiler is with PTFE stopcock for easy cleaning.
All plumbing connection are through screw thread connectors.

Stand: Powder coated for long rust free life.

Heater: 3 Kw chromium plated heater fitted with a thermostat.

Output: Approx 4 ltrs/ Hrs.
CH14030

Single Stage Quartz Distillation Unit

Key Features:

- **Low maintenance.**
- Compact and easy to Install.
- Distillate is pyrogen free; also it is free from heavy metals.
- Switch on time is **less than minute** providing distilled water instantly.
- **Replaceable clamps** are provided for better adjustment and alignment of the boiler and condenser.

Distillate Quality

Conductivity	1.0 - 1.5 µS/cm with Borosilicate Condenser 0.5 – 0.8 µS/cm with Quartz Condenser
Distilled Water Quality	Pyrogen Free
Distillate Temperature	25-45°C

Technical Specifications:

	Condenser Material	Output Cap Approx Litres /Hour	Total Power Rating KW	Cooling water Consumption (Approx) Litres/Hour
CH14042-25B	Borosilicate	2.5	2	40
CH14042-25Q	Quartz	2.5	2	40
CH14042-50B	Borosilicate	5.0	4.4	65
CH14042-50Q	Quartz	5.0	4.4	65
CH14042-80B	Borosilicate	8.0	6	90
CH14042-80Q	Quartz	8.0	6	90
CH14042-100B	Borosilicate	10.0	9*	120
CH14042-100Q	Quartz	10.0	9*	120

*Indicates 3 phase

SAFETY CUT OFF DEVICE IS OPTIONAL

	Capacity	Description
CH14042-SCU-1	2 ltr/hr	Digital Safety Control Unit with Alarm
CH14042-SCU-2	5, 8 & 10 ltr/hr	Digital Safety Control Unit with Alarm

All Quartz Double Distillation

Specific Features

- All Quartz Double Distillation consists of demountable upper and lower boiler.
- The lower boiler has a built in heater enclosed in a quartz boiler with a cup on top.
- The upper boiler has a built in quartz coil and condensing unit which is mounted on the boiler with the help of ball and socket joint.
- Double walled condenser ensures separate condensation of vapours coming from the two boilers using a single cooling circuit.
- The unit in mounted on a specially designed powder coated stand and is also provided with Safety Control Unit.
- This new dual-safety cut has accurate control of the distillation unit. It has been incorporated with advanced microprocessor based electronic circuit.
- The alpha numeric LCD which has been used shows all the messages that correspond to the running of the machine.
- Alarm system; It beeps whenever user's attention required while running the system.

Double Distillate Quality

Parameters*	Values
Specific Conductivity	0.1-0.5 µs/cm
Biological Activity (distillate quality)	Pyrogen Free
Organic Matter	Nil
Total Carbon Matter	
Total Solids	0.1 mg/ltr
Silica	<0.01 mg/ltr
Distillate Temperature	65-75°C

	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (Approx.)
CH14045-15DQ	1.5 Ltr/hr	3 KW	50 Ltr/hr
CH14045-25DQ	2.5 Ltr/hr	5 KW	70 Ltr/hr
CH14045-35DQ	3.5 Ltr/hr	7 KW*	90 Ltr/hr
CH14045-40DQ	4.0 Ltr/hr	8 KW*	120 Ltr/hr
CH14045-50DQ	5.0 Ltr/hr	9 KW*	150 Ltr/hr

Water Still / Glass Distillation Unit Single and Double Key Features

- Compact, easy to use& all parts are replaceable.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.
- The stand is powder coated for rust free operation and lustrous appearance.
- Drain nozzle/Teflon Screw Cock is provided for easy cleaning and maintenance.
- The unit automatically switches off if water level in the boiler falls below heater.
- Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Replaceable Silica Heater: Boiler is fitted with a removable Silica Sheathed (Quartz) Heater and Screw Threaded connector for ease of cleaning when scaling is formed. Quartz heaters are easy to assemble and dismantle

Unique Feature

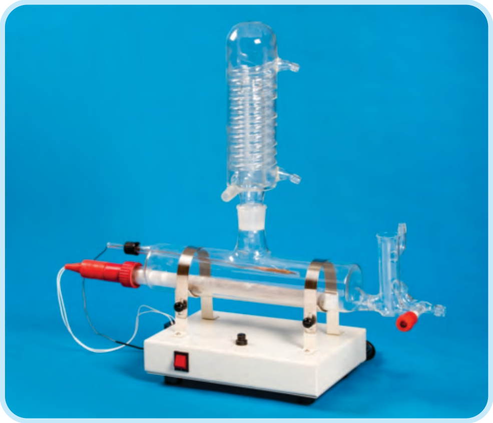
These models are fitted with in- built Safety Cut Off Pressure Temperature Switch (PTS) to protect the glass parts in the event of water supply failure or overheating.

Single Still

Conductivity 1 to 2.0 μs/cm
Distillate Quality Pyrogen Free

	Output Capacity (Approx.)	Cooling Water Consumption (Approx.)	Power Rating Total	Packing Dimension W*D*H(cm)	Weight Gross (kg)
CH14031-20S	2.0ltr/hr	60ltr/hr	1.5Kw	64*45*44	13kg
CH14031-40S	4.0ltr/hr	120ltr/hr	3.0Kw	66*62*44	15kg

Single Still

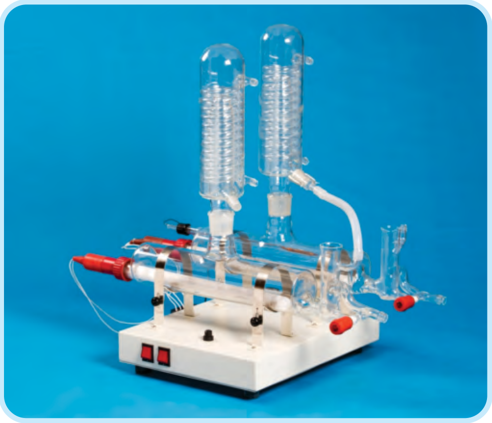


Double Still

Conductivity 0.8 to 1 μs/cm
Distillate Quality Pyrogen Free

	Output Capacity (Approx.)	Cooling Water Consumption (Approx.)	Power Rating Total	Packing Dimension W*D*H(cm)	Weight Gross (kg)
CH14031-20D	2.0ltr/hr	120 ltr/hr	3.0Kw	66*50*63	20kg
CH14031-40D	4.0ltr/hr	150 ltr/hr	6.0Kw	66*62*65	24kg

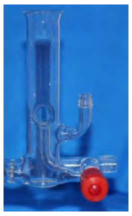
Double Still



Silica Heater :
Kanthal wire heater is winded up on a spiral ceramic tube, thus having a long life.

Safety First :
PTS (Safety Cut off) can be reset to resume water still operation when the water supply has been restored.

Screw Threaded Connector
is provided for ease of fitting the Silica (Quartz) Heater



Easy Cleaning :
No dismantling required.
Teflon screw cock is provided for easy cleaning and maintenance.

LIQUID HANDLING

PRO
20 µl
200 µl

MINIATURE FIXED VOLUME MICROPIPETTES

Lilpet - Miniature Fixed Volume Pipette with Two Step Plunger Operation

This miniature fixed volume micro pipette is a low cost, high precision liquid handling instrument. It offers Two-step Plunger Operation and is specially designed for use with diagnostic kits. The ergonomic and intuitive design of these micro pipettes helps in performing sensitive operations with high precision, accuracy and reliability in practical laboratory environments.

- LILPET has an optimum size – 130 mm in length – for high user comfort during pipetting.
- LILPET is fully autoclavable at 121°C and 15 psi for a duration of 10 –15 minutes.
- LILPET is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards

	Capacity (µl)	Accuracy± %	CV± %
LIL-5	5	2.5	1.5
LIL-10	10	1.2	0.8
LIL-20	20	1.0	0.5
LIL-25	25	1.0	0.4
LIL-50	50	1.0	0.4
LIL-100	100	0.8	0.3
LIL-200	200	0.8	0.3

MINIATURE FIXED VOLUME MICROPIPETTES

Lilpet Pro - Miniature Fixed Volume Pipette with Tip Ejector and Two Step Plunger Operation

This miniature fixed volume micro pipette with tip ejector is ideally suited for all sensitive applications. The tip can be removed easily by the single press of the tip ejector button. The two step plunger operation ensures last drop dispensing. The ergonomic and intuitive design of these micro pipettes helps in performing sensitive operations with high precision, accuracy and reliability in practical laboratory environments.

- LILPET has an optimum size –130 mm in length – for high user comfort during pipetting.
- LILPET is fully autoclavable at 121°C and 15 psi for a duration of 10–15 minutes.
- LILPET is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards

	Capacity (µl)	Accuracy± %	CV± %
LILP-5	5	2.5	1.5
LILP-10	10	1.2	0.8
LILP-20	20	1.0	0.5
LILP-25	25	1.0	0.4
LILP-50	50	1.0	0.4
LILP-100	100	0.8	0.3
LILP-200	200	0.8	0.3

MINIATURE FIXED VOLUME MICROPIPETTES

Low cost miniature fixed volume pipettes are specially designed for use with Diagnostic Kits.

Features :

FULLY AUTOCLAVABLE

- Each pipette is individually calibrated as per ISO 8655 standards.
- Colour coded for different volumes for easy identification in laboratory environment.
- Two-step plunger operation facilitates super blow-out from the tip (last drop dispensing), resulting in very high accuracy & precision.
- This also allows these pipettes to be used for reverse pipetting and repetitive pipetting. 130 mm in length which is an optimum size for user comfort during pipetting.

	Vol. µl	Acc. ± %	CV ≤%
MM-500	500	0.5	0.5
MM-1000	1000	0.5	0.5

1 0 0
RBO
20 - 200 µl

HIGH PRECISION MICROPIPETTES (RBO SERIES)

VARIABLE VOLUME FULLY AUTOCLAVABLE

High precision micro pipette series for advance users in the field of Molecular biology, Microbiology, Immunology, Cell Culture, Analytical Chemistry, Biochemistry, Genetics etc. High quality spring mechanism ensures softer plunger movement. Nine volume ranges cover the complete pipetting range from 0.2 µl to 10 ml offering a wide choice to select the most suitable model for any application.

Color Coding

Attractive color coding for easy identification between different volume ranges

			Accuracy		CV	
	Vol. Range	**Increment (µl)**	**±%**	**±µl**	**±%**	**±µl**
RBO-2	0.2-2.0 µl	0.002	2	0.04	1.2	0.024
RBO-10	0.5-10 µl	0.02	1	0.1	0.5	0.05
RBO-20	2-20 µl	0.02	0.8	0.16	0.4	0.08
RBO-50	5-50 µl	0.1	0.8	0.4	0.4	0.2
RBO-100	10-100 µl	0.2	0.6	0.6	0.2	0.2
RBO-200	20-200 µl	0.2	0.6	1.2	0.2	0.4
RBO-1000	100-1000 µl	1.0	0.6	6	0.2	2
RBO-5000	0.5-5 ml	10.0	0.6	30	0.2	10
RBO-10000	1-10 ml	20.0	0.6	60	0.2	20

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with the nominal capacity (or maximum volume) indicated on the instrument. These are obtained by using the instrument with distilled water at equilibrium, the ambient temperature of 20 °C while operating it smoothly and steadily. The error limits are in accordance with DIN EN ISO 8655-2.

FULLY AUTOCLAVABLE FIXED VOLUME MICROPIPETTES

Fixed Volume Pipettes are designed for many different types of routine laboratory work. Using the some state-of-art design and basic features of Variable Volume Pipettes, these fixed volume pipettes are ideal for Clinical Diagnostics, Control Analysis etc.

		Accuracy		CV	
	Capacity, (µl)	**± %**	**± µl**	**± %**	**± µl**
RBO-F-1	1.0	5	0.05	5	0.05
RBO-F-2	2.0	4	0.08	2	0.04
RBO-F-5	5.0	2	0.1	1	0.05
RBO-F-10	10.0	1	0.1	0.5	0.05
RBO-F-20	20.0	0.8	0.16	0.4	0.08
RBO-F-25	25.0	0.8	0.2	0.4	0.1
RBO-F-50	50.0	0.8	0.4	0.4	0.2
RBO-F-100	100.0	0.6	0.6	0.2	0.2
RBO-F-200	200.0	0.6	1.2	0.2	0.4
RBO-F-250	250.0	0.6	1.5	0.2	0.5
RBO-F-500	500.0	0.6	3	0.2	1
RBO-F-1000	1000.0	0.6	6	0.2	2
RBO-F-2000	2000.0	0.6	12	0.2	4
RBO-F-5000	5000.0	0.6	30	0.2	10
RBO-F-10000	10000.0	0.4	40	0.2	20

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with the nominal capacity (or maximum volume) indicated on the instrument. These are obtained by using the instrument with distilled water at equilibrium, the ambient temperature of 20 °C while operating it smoothly and steadily. The error limits are in accordance with DIN EN ISO 8655-2.

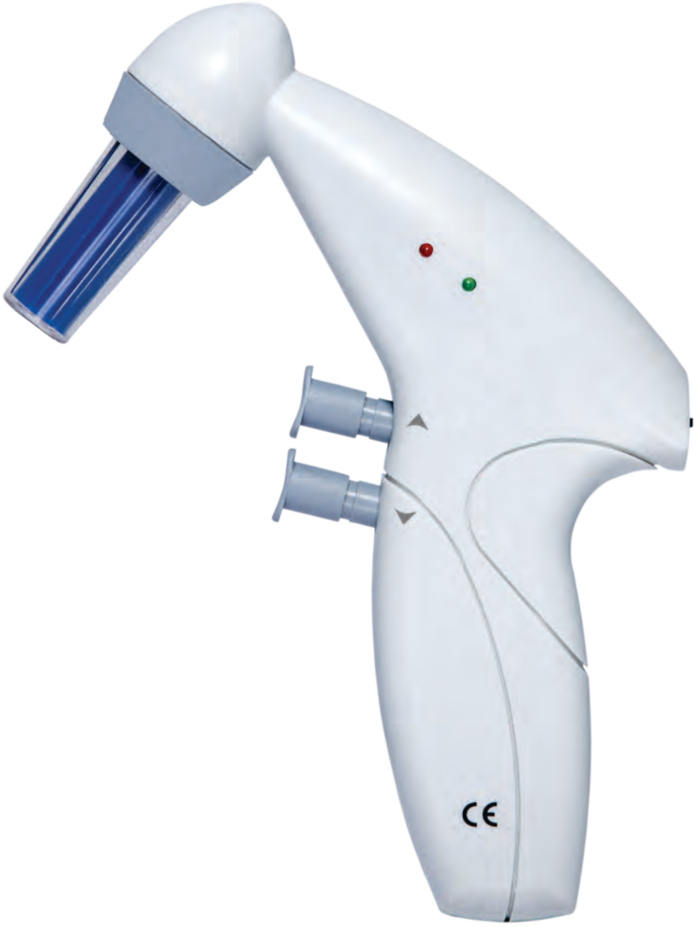
MULTICHANNEL MICROPIPETTES

Recommended for ELISA, Molecular screening, Kinetic studies, DNA amplifications etc.

RBO Multichannel Micropipette (8-Channel and 12-Channel) is a range of High Precision Micropipettes that offer a sophisticated blend of features and functionality.

8-Channel Fully Autoclavable Micropipette	12-Channel Fully Autoclavable Micropipette	Vol. Range	Increment (µl)	Accuracy ± %	Accuracy ± µl	CV ± %	CV ± µl
RBO-MCA-8/10	RBO-MCA-12/10	0.5-10µl	0.02	1.6	0.16	1	0.1
RBO-MCA-8/20	RBO-MCA-12/20	2-20µl	0.02	0.8	0.16	0.4	0.08
RBO-MCA-8/50	RBO-MCA-12/50	5-50 µl	0.1	0.8	0.4	0.4	0.2
RBO-MCA-8/100	RBO-MCA-12/100	10-100µl	0.2	0.8	0.8	0.3	0.3
RBO-MCA-8/200	RBO-MCA-12/200	20-200µl	0.2	0.8	1.6	0.3	0.6
RBO-MCA-8/300	RBO-MCA-12/300	40-300µl	0.2	0.8	2.4	0.3	0.9

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with the nominal capacity (or maximum volume) indicated on the instrument. These are obtained by using the instrument with distilled water at equilibrium, the ambient temperature of 20 °C while operating it smoothly and steadily. The error limits are in accordance with DIN EN ISO 8655-2.



PIPETTE FILLING DEVICE

EASYFILL, an electronic pipette filling equipment, is a simple yet powerful blend of sophisticated features and functionality. It offers Single Knob Dual Dispensing Mode. EASYFILL helps in performing sensitive operations with high precision, accuracy and reliability in practical laboratory environments.

- EASYFILL has a Universal Silicon Adapter, with internal knurling, that can easily accommodate pipettes from 1 ml to 100 ml and hold them firmly during liquid handling operations.
- Red LED flash denotes 'low battery' and green LED flash denotes 'charging'.
- The instrument offers Dual Dispensing Mode with the help of a Single Knob.
- Press the knob fully for dispensing at maximum speed. This mode engages the motor.
- EASYFILL has a comfortable grip and exhibits high ease of use.
- The instrument offers continuous pump speed adjustment during liquid handling operations.
- The Collet Assembly and the 0.2 microns In-line Membrane Filter, contained within it, are fully autoclavable at 121°C temperature and 15 psi for a duration of 10-15 minutes.

NE-GG-220V	Grey Body - Grey Collet and Plunger
NE-GR-220V	Grey Body - Red Collet and Plunger
NE-GB-220V	Grey Body - Blue Collet and Plunger
NE-GV-220V	Grey Body - Violet Collet and Plunger

BOTTLE TOP DISPENSER

Altus Simple - Bottle Top Dispenser with Springless Valve™

This Bottle Top Dispenser is a unique combination of contemporary design, high chemical compatibility, competitive pricing and high performance. It caters to a large cross section of research laboratories. It uses Springless Valve™ technology. This Bottle Top Dispenser also features two product innovations- Easy Knob™ and Flexi Nozzle™ that enhance its ease of use and flexibility. Designed with ergonomics and intuitive handling in mind, it exhibits excellent chemical compatibility and helps achieve precision with reliability in practical laboratory environments.

Applicable Standards

- Product Certification: CE
- Manufacturing Standards: ISO 9001, ISO 13485, ISO 17025
- Accuracy & Precision: ISO 8655-5

Technical Specifications

	Volume Range	Increment	Accuracy		CV	
			±%	± ml	± %	± mL
ALT-S-2.5	0.25-2.5 mL	0.05 mL	0.6	0.015	0.2	0.005
ALT-S-5	0.5-5 mL	0.1 mL	0.6	0.030	0.2	0.010
ALT-S-10	1-10 mL	0.2 mL	0.6	0.060	0.2	0.020
ALT-S-30	2.5-30 mL	0.5 mL	0.6	0.180	0.2	0.060
ALT-S-60	5-60 mL	1.0 mL	0.6	0.360	0.2	0.120
ALT-S-100	10-100 mL	2.0 mL	0.6	0.600	0.2	0.200

Altus - Bottle Top Dispenser with Recirculation Valve and Springless Valve™

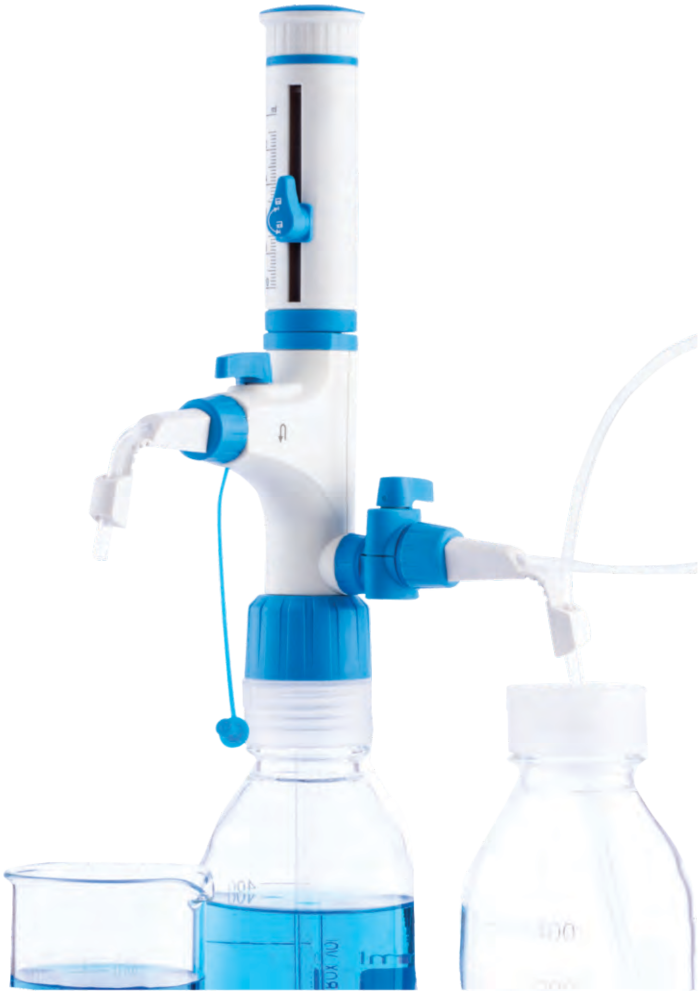
This Bottle Top Dispenser with a recirculation valve is sophisticated blend of features and functionality. It uses Springless Valve™ technology and Recirculation Valve for preventing loss of reagent during purging. This Bottle Top Dispenser also features two product innovations- EasyKnob™ and Flexi Nozzle™ that enhance its ease of use and flexibility. Designed with ergonomics and intuitive handling in mind, it exhibits excellent chemical compatibility and helps achieve precision with reliability in practical laboratory environments.

Applicable Standards

- Product Certification: CE
- Manufacturing Standards: ISO 9001, ISO 13485, ISO 17025
- Accuracy & Precision: ISO 8655-5

Technical Specifications

	Volume Range	Increment	Accuracy		CV	
			±%	± ml	± %	± ml
ALT-2.5	0.25-2.5 ml	0.05 ml	0.6	0.015	0.2	0.005
ALT-5	0.5-5 ml	0.1 ml	0.6	0.030	0.2	0.010
ALT-10	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020
ALT-30	2.5-30 ml	0.5 ml	0.6	0.180	0.2	0.060
ALT-60	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120
ALT-100	10-100 ml	2.0 ml	0.6	0.600	0.2	0.200



Altus Duet - Bottle Top Dispenser with Dual Inlet Technology

This Bottle Top Dispenser uses dual inlet technology. Using this dispense, 4 different liquid handling operations: rinsing, dilution, refilling and dual liquid handling can be performed without dismounting the instrument from the reagent bottle. This Bottle Top Dispenser also features two product innovations- Easy Knob™ and Flexi Nozzle™ that enhance its ease of use and flexibility. Designed with ergonomics and intuitive handling in mind, it exhibits excellent chemical compatibility and helps achieve precision with reliability in practical laboratory environments.

Applicable Standards

- Product Certification: CE
- Manufacturing Standards: ISO 9001, ISO 13485, ISO 17025
- Accuracy & Precision: ISO 8655-5

Technical Specifications

Model No.	Volume Range	Increment	Accuracy		CV	
			±%	± ml	± %	± ml
ALTD-2.5	0.25-2.5 ml	0.05 ml	0.6	0.015	0.2	0.005
ALTD-5	0.5-5 ml	0.1 ml	0.6	0.030	0.2	0.010
ALTD-10	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020
ALTD-30	2.5-30 ml	0.5 ml	0.6	0.180	0.2	0.060
ALTD-60	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120
ALTD-100	10-100 ml	2.0 ml	0.6	0.600	0.2	0.200

LABORATORY PLASTICWARE

ASPIRATOR BOTTLE, POLYTHENE

Polythene, autoclavable.
The leakproof spigot screwed
to the bottle body requires only
a half turn to open or close.
Threads should be totally
disengaged before Autoclaving.

	Capacity, Liter
CH10026/10	2
CH10026/1	5
CH10026/3	10
CH10026/5	20

BEAKERS SET

Available in polypropylene/polycarbonate, these beakers are with screen printed graduation. Set of five beakers (one each of 50,100,250,500 and 1000 ml)

CH10160	Polypropylene
CH10162	Polycarbonate

BEAKERS

Polypropylene, have excellent clarity and good chemical resistance, raised graduation on outer surface. With spout. Polypropylene.

	Capacity, ml
CH10155/2	25
CH10155/1	50
CH10155/3	100
CH10155/7	250
CH10155/9	500
CH10155/11	1000
CH10155/13	2000
CH10155/15	5000

BEAKER

Printed Graduation, Stackable
Material : PMP conforming to US FDA 221 CFR Autoclavable

	Capacity, ml	Length, mm	Diam., mm
CH10164/1	50	60	50
CH10164/2	100	72	62.5
CH10164/3	250	93	82.5
CH10164/4	500	128	110
CH10164/5	1000	149	129

BEAKER

Printed Graduation, Stackable
Material : PP conforming to US FDA 221 CFR Autoclavable

	Capacity, ml	Length, mm	Diam., mm
CH10163/1	50	60	50
CH10163/2	100	72	62.5
CH10163/3	250	93	82.5
CH10163/4	500	128	110
CH10163/5	1000	149	129

BEAKERS, WITH HANDLE (MEASURING JUGS)

Polypropylene, autoclavable and have non-drip spout. These jugs have raised graduations, provide excellent contact clarity and are provided with excellent thumb grip on handle.

	Capacity, ml
CH10165/1	500
CH10165/3	1000
CH10165/5	2000
CH10165/7	3000
CH10165/9	5000

PP

LDPE

HDPE

HDPE AMBER

REAGENT BOTTLE NARROW MOUTH

- Narrow mouth heavy wall bottle, perfect for storing and shipping liquids besides pouring feasibility.
- 100% Leak proof closure with integrated seal ring.
- Rigid, Translucent & Break Resistant.
- Highly Reliable & Durable.
- Suitable for Food storage.
- Safe for freezer storage at -100°C

PP	LDPE	HDPE	HDPE AMBER	Capacity, ml	Pack Size
CH10250A/1	NA	CH10238/1	CH10242/1	4	72
CH10250A/2	CH10240/1	CH10238/2	CH10242/2	8	72
CH10250A/3	CH10240/2	CH10238/3	CH10242/3	15	72
CH10250A/4	CH10240/3	CH10238/4	CH10242/4	30	72
2CH10250A/5	CH10240/4	CH10238/5	CH10242/5	60	72
CH10250A/6	CH10240/5	CH10238/6	CH10242/6	125	72
CH10250A/7	CH10240/6	CH10238/7	CH10242/7	250	72
CH10250A/8	CH10240/7	CH10238/8	CH10242/8	500	48
CH10250A/9	CH10240/9	CH10238/9	CH10242/9	1000*	6

*Non food grade

SPECIFICATION	PP	LDPE	HDPE	HDPE Amber
Autoclavable	Yes	No	No	No
Suitable for Food storage	Yes	Yes	Yes	Yes
Rigid, translucent & break resistant	Yes	Yes	Yes	Yes
Safe for freezer storage at -100°C	No	No	Yes	Yes
Recommended for Light Sensitive Reagents	No	No	No	Yes

PP

LDPE

HDPE

HDPE AMBER

REAGENT BOTTLE WIDE MOUTH

- The wide mouth bottle are easier to fill and are recommended for solid, semi-solid and viscous liquid materials.
- 100% Leak proof closure with integrated seal ring.
- Rigid, translucent & break resistant.
- Highly reliable & durable.
- Suitable for Food storage.

PP	LDPE	HDPE	HDPE AMBER	Capacity, ml	Pack Size
CH10252A/1	CH10246/1	CH10244/1	CH10248/1	30	72
CH10252A/2	CH10246/2	CH10244/2	CH10248/2	60	72
CH10252A/3	CH10246/3	CH10244/3	CH10248/3	125	72
CH10252A/4	CH10246/4	CH10244/4	CH10248/4	250	72
CH10252A/5	CH10246/5	CH10244/5	CH10248/5	500	48
CH10252A/9	CH10246/9	CH10244/9	CH10248/9	1000*	6

*Non food grade

SPECIFICATION	PP	LDPE	HDPE	HDPE Amber
Autoclavable	Yes	No	No	No
Suitable for Food storage	Yes	Yes	Yes	Yes
Rigid, translucent & break resistant	Yes	Yes	Yes	Yes
Safe for freezer storage at -100°C	No	No	Yes	Yes
Recommended for Light Sensitive Reagents	No	No	No	Yes

BOTTLE, DROPPING

T.K. Pattern, plastic.

	Capacity, ml
CH10264/5	60
CH10264/7	125

LDPE WASH BOTTLES WITH SAFETY LABELLING

LDPE Translucet **LDPE** bottles are easily squeezable. The bulit in delivery tube featue present int these bottles make it a one-piece wash bottle. The Bottle have screw top cap & the bottle mouth is wide the spray tube is made up of Polypropylene.

- Colored Coded **VENT-CAP** which supports quick & easy visual identification of the media.
- Safety -vented wash bottles provide compliance with the Globally Harmonized System of Classification the Labeling og Chemicals (GHS) and give more safety due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS) and have all the important Information like Pre-printed with the chemical name and formula, GHS pictogram, Health hazards. Chemical Abstract System (CAS) number, and suggested protective clothing and equipment
- Front Side 4 Color Printing Back Side Single Printing
- No leakage or dripping due to VENT cap and it also take care for the back flow of the liquid

	Type	Cap Color	Capacity, ml
CH10272/1	Acetone	Red	500
CH10272/2	Dichloro methane	Yellow	500
CH10272/3	Distilled Water	Blue	500
CH10272/4	Acetonitrile	Yellow	500
CH10272/5	Ethanol	Natural	500
CH10272/6	Ethyl Acetate	Green	500
CH10272/7	Isopropanol	Yellow	500
CH10272/8	Methanol	Green	500
CH10272/9	Methyl Ethyl Ketone	Green	500
***CH10272/10**	*Sodium Hypo Chlorite	Yellow	500
CH10272/11	Water	Blue	500

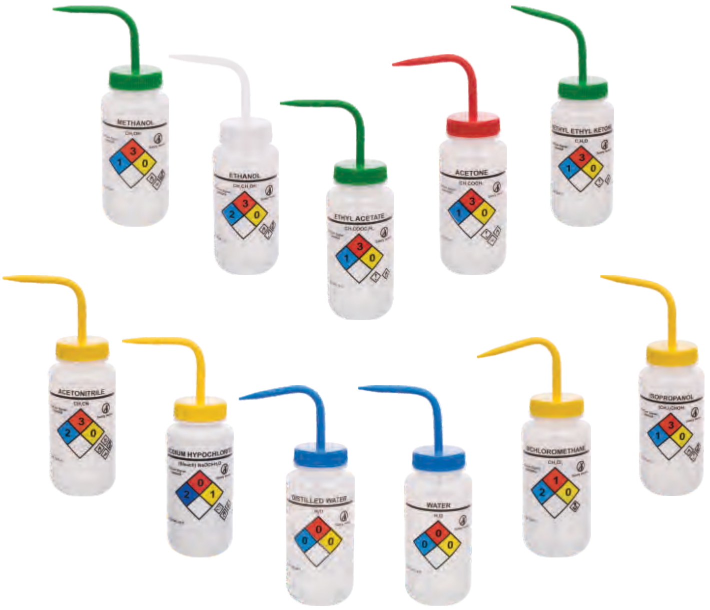
NARROW MOUTH WASH BOTTLES, LDPE

These low density polyethylene bottles are easily squeezable. The built in delivery tube feature present in these bottles make it a one-piece wash bottle. The Bottle have screw top cap & the bottle mouth is narrow. The spray tube is made up of Polypropylene.

With colored VENT-CAP which supports easy visual identification of the media.

More safety due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS) and have all the Important Information like solution name and formula, safety measures etc. No leakage or dripping due to VENT cap and it also take care for the back flow of the liquid.

	Type	Cap Color	Capacity, ml
CH10268/1	Plain	Clear	250
CH10268/2	Acetone	Red	250
CH10268/3	Ethanol	Blue	250
CH10268/4	Methanol	Green	250
CH10268/5	Distilled Water	White	250



WASH BOTTLE

Low Density polyethylene squeeze bottle with jet through screw cap.

	Capacity, ml
CH10275/1	125
CH10275/3	250
CH10275/5	500
CH10275/7	1000

WASH BOTTLE, GRADUATED

Made of Low Density Polyethylene, translucent & unbreakable with built in delivery tube making it a one piece wash bottle. These bottles are graduated on the outer surface to give an approximate idea about the volume of solution filled or dispensed.

	Capacity, ml
CH10278/1	250
CH10278/3	500

WASH BOTTLES, EURO DESIGN

Low Density polyethylene (LDPE) squeeze bottle with jet through screw cap. The bottles are translucent & Unbreakable due to LDPE material. Wash bottle used to rinse various pieces of laboratory glassware, such as test tubes and round bottom flasks. Bottles are sealed with a screw-top lid. It has long flexible polythene delivery tubes which can aim wherever required.

	Capacity, ml
CH10277/5	250
CH10277/6	500
CH10277/7	1000

Shiv Dial Sud & Sons
23, Industrial Estate
Ambala Cantt - 133 006, INDIA
Tel : +91-171-2699537, 2699297
info@shivsons.com
www.shivsons.com

NARROW MOUTH BOTTLE

This autoclavable bottle, made of polypropylene, can be used for storing & transfering chemicals and other reagents safe & sound.

	Capacity, ml
CH10280	4000

WIDE MOUTH SQUARE BOTTLE

This autoclavable bottle, made of Polypropylene, can be used for storing & shipping chemicals & reagents. Being wide mouthed, it is always convenient to pour in & take out the reagents. The built in depressions on two sides provide excellent grip while holding this bottle .

	Capacity, ml
CH10282	4000

HEAVY DUTY VACCUM BOTTLE

This autoclavable bottle, made of Polypropylene, has thick walls, is rugged & can be used for repeated applications of vaccum .

	Capacity, ml
CH10284	2000

CARBOY

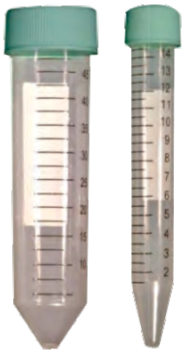
Carboys, made of Polypropylene, are much lighter than glass. These autoclavable, dependable & durable Carboys are provided with wide handles making it convenient while carrying or pouring purposes.

	Capacity, Ltr.
CH10286/1	10
CH10286/3	20

CARBOYS WITH STOP CORK

Material : Polypropylene

	Capacity, Ltr.
CH10288A/1	10
CH10288A/2	20



CENTRIFUGE TUBES

Printed graduations and writing area for Sample Identification.
Caps can be closed with one hand.
Available in bulk non-sterile and pre-sterilized formats.
50ml rated to 13,000g; 15ml to 13,000g.
Certified RNase/DNase free.
Available in Racked Formats.
Conical Bottom tube with Cap

	Capacity, ml	Qty/pack
CAC10102/1	15	500
CAC10102/2	15, Pre-sterilized	500
CAC10102/3	15, Racked	500
CAC10102/4	15, Racked, Pre-sterilized	500
CAC10102/5	50	500
CAC10102/6	50, Pre-sterilized	500
CAC10102/7	50, Racked	300
CAC10102/8	50, Racked, Pre-sterilized	300

CARBOYS WIDE MOUTH

Material : Polypropylene

	Capacity, Ltr.
CH10290/1	10
CH10290/2	20

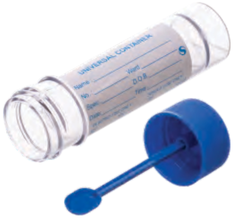
CONTAINER, URINE

These containers can be used for collecting a wide range of samples of sputum, urine etc. Moulded in polypropylene these container have excellent contact clarity and the cap has built-in seal that makes it completely leakproof.

	Capacity, ml
CON10002/1	30
CON10002/2	60

CONTAINER, STOOL

In addition to the range of existing sample containers, this Stool Container has the unique feature of one piece moulded cap-spoon combination.

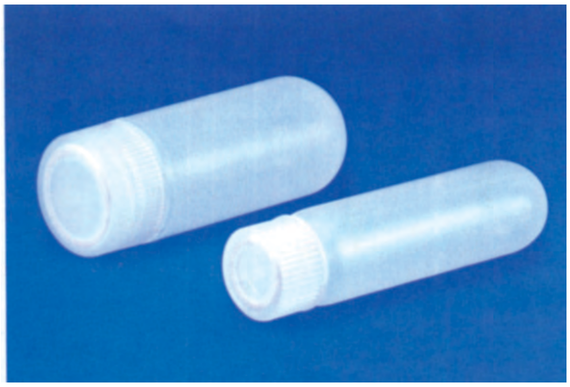


	Capacity, ml
CON10007	25

CENTRIFUGE TUBE ROUND BOTTOM

Centrifuge tubes with round bottom are moulded in Polypropylene & Polycarbonate. Tubes have excellent clarity and are strong enough to be used upto 50,000xG. These tubes can be autoclaved, however, repeated autoclaving in PC tubes reduces their mechanical strength.

	Capacity
CAC10104/1	16 ml Cent. Tube PP
CAC10104/2	50 ml Cent. Tube PP
CAC10104/3	16 ml Cent. Tube PC
CAC10104/4	50 ml Cent. Tube PC
CAC10104/5	Cap. For 16ml Cent. Tube
CAC10104/6	Cap. For 50ml Cent. Tube



OAK RIDGE CENTRIFUGE TUBES

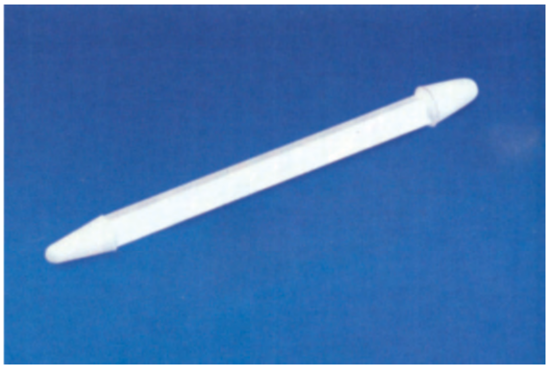
Oak ridge centrifuge tubes, made of Polypropylene, have excellent contact clarity and can be used upto 50,000xG. The screw cap is fitted with silicon O-Ring making it totally leakproof. These tubes should not be used below4°C

	Capacity, ml
CAC10106/1	30
CAC10106/2	50
CAC10106/3	100

CENTRIFUGE TUBE BOX, PP

- Provides durable and rugged alternative to cardboard or foam racks
- Can withstand temperature from -90°C to 121°C
- With distinctive green color on 15 ml and blue color on 50 ml.
- All grids are properly indexed with clear lid that provides easy tube identification.
- Can be autoclaved.

	Capacity, ml
CAC10150/1	15
CAC10150/2	50



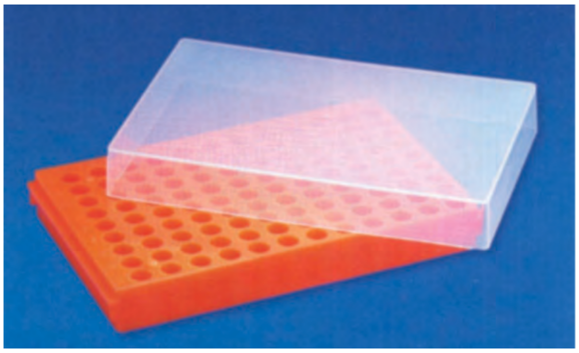
MICRO PESTLE

This double ended pestle's one end fits 1.5ml. Micro centrifuge tube & the other one fits 0.5 ml. Micro centrifuge tube.
CAC10210/1

MCT FLOAT RACK

This Float Rack mould in Polypropylene is quite compact, autoclavable and can hold 16 micro centrifuge tubes for incubation in water baths. Easy to load, these are essential in microbiology & immunology labs. The surface of the rack has raised alpha-numeric index for easy identification and has a central rod handle for convenient lifting.

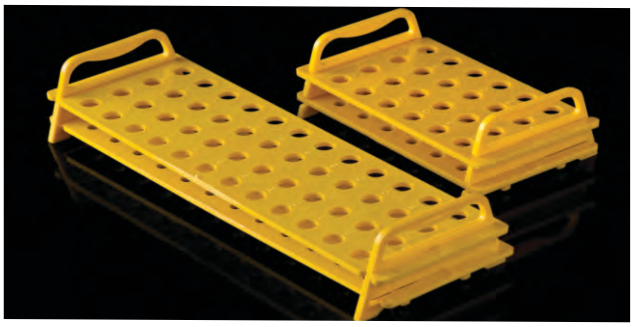
	Type
CAC10250	16 MCTs of 1.5 ml.



MCT TWIN RACK

Supertek provides this Polypropylene Twin Purpose Rack for both 0.5 ml and 1.5 ml micro centrifuge tubes. Each side has 108 holes for 0.5 & 1.5 ml. MCT's respectively. The transparent top provides an excellent view as well as a protection cover for the tubes stored. Each face of the base has a unique alpha-numeric index for easy identification of the tube.

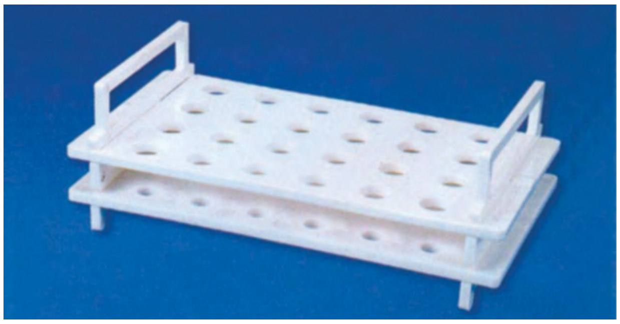
	Size
CAC10252	Rack for 0.5ml & 1.5ml. MCTs.



RACK FOR MICRO CENTRIFUGE TUBE, PC

- Easy to hold ergonomic design
- Each hole has molded in numbers and letters for easy sample identification.
- Racks are stackable when empty of full .
- Compatible with both 1.5 ml and 2.0 ml micro centrifuge tube.
- Easy removal and insertion of tubes.
- Can be used in wide temperature range.
- Can be autoclaved.

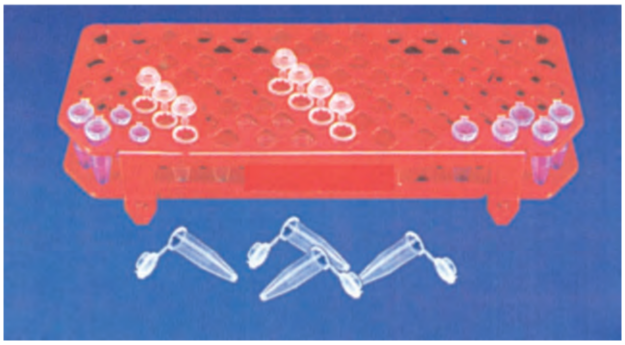
	Tube Capacity, ml	Places	Array	Color
CAC10254/1	1.5 and 2.0	24	6 x 4	White
CAC10254/2	1.5 and 2.0	24	6 x 4	Yellow
CAC10254/3	1.5 and 2.0	48	12 x 4	White
CAC10254/4	1.5 and 2.0	48	12 x 4	Yellow



RACK FOR MICRO CENTRIFUGE TUBES

Moulded in Polycarbonate, these autoclavable rack are made for holding1.5ml micro centrifuge tubes. These racks have a unique stacking feature which prevents movement in any direction. The holes are numbered & lettered for easy identification.

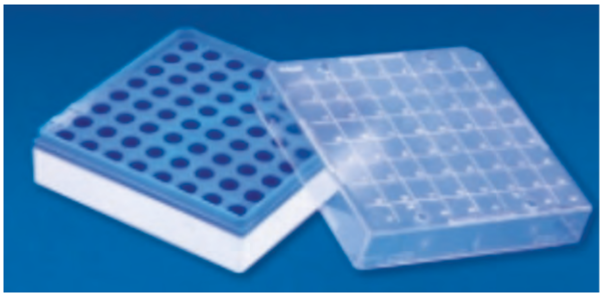
	Type
CAC10256/1	24 Tubes
CAC10256/2	48 Tubes



RACK FOR MICRO CENTRIFUGE (FOLDING)

These two-tier versatile racks, made of Polypropylene, are autoclavable & can be used dry, in water baths or in freezers, These racks are provided with alpha numeric index for easy sample identification. Racks are stackable even when loaded and have purpose designed label spaces on each side.

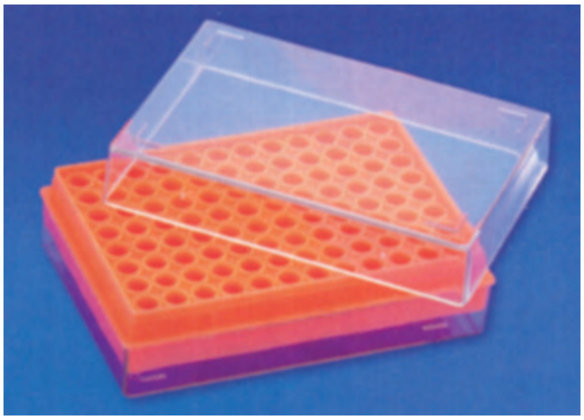
	Size
CAC10258/1	100 Places for 1.5 ml MCTs



MCT BOX

MCT boxes are moulded in polycarbonate and are therefore strong as well as autoclavable. One size can hold 64 MCTs of 1.5ml & the other can hold 100 MCT's of 0.5ml. These boxes are designed to work at temperatures ranging from - 190°C to +121°C The transparent cover provides a good view of the contents inside & is numbered for better inventory control.

	Size
CAC10265/1	Rack for 100 MCTs of 0.5ml
CAC10265/2	Rack for 64 MCTs of 1.5ml



PCR TUBE RACK

This rack, as the name suggests, is used for keeping PCR tubes. Top & base of this rack are made of tough & transparent polycarbonate while the middle portion is made of Polypropylene. The tube holding spaces are uniformly placed so as to facilitate the use of multi-pipettes. A no. of racks can be stacked together to save shelf space.

	Size
CAC10350/1	Rack for 96 PCR Tubes of 0.2ml

BURETTE CLAMP

High density polythene body, non-corrosive, unbreakable, easy to fit burette, graduation can be seen clearly along its entire length.

CH10550/1	For One Burette
CH10550/2	For Two Burettes

BURETTE, ACRYLIC

Transparent acrylic body and a leakproof stopcock fitted with a self lubricating PTFE plug. Each Burette is individually calibrated to give maximum accuracy. Acrylic body is unaffected by dilute mineral acids and bases except HydroflorIc Acid and Ammonium Hydroxide.

	Capacity, ml	Sub division, ml
CH10500/1	25	0.1
CH10500/3	50	0.1
CH10500/5	100	0.2

DESSICATOR (VACUUM)

These Desiccators are made of Polypropylene and Polycarbonate. These autoclavable vacuum desiccators can hold vacuum upto 740 mm of Hg for 24 hrs. Without any greasing. The top dome, moulded in rigid and transparent Polycarbonate, gives a crystal clear view of the desiccant placed inside. The knurled knob on the top provides easy handling of the dome. The lower part is made of Polypropylene. An internal groove is provided on the flange to hold a silicon rubber O-Ring. The Polypropylene stopcock is fitted with a self lubricating PTFE plug. This plug works three way i.e. vacuum creations, shutting off and vacuum releasing.

	Size, mm
CH10915/2	150
CH10915/4	200
CH10915/6	250
CH10915/7	300

MEASURING CYLINDER, HEXAGONAL

The hexagonal base provides excellent stability to the cylinder where as the tapered spout works well while pouring any reagent. Polypropylene.

	Capacity, ml
CH10815/1	10
CH10815/2	25
CH10815/3	50
CH10815/5	100
CH10815/6	250
CH10815/9	500
CH10815/10	1000

MEASURING CYLINDER

- Autoclavable
- Hexagonal Base for improved stability
- Generous pour out for smooth flow of liquid
- Easy to read graduation of neatly printed
- Transparent & graduated with excellent clarity

POLYPROPYLENE, CLASS B

Printed in Blue

Meets accuracy requirements of Class B under DIN 12681/ ISO 6706

	Capacity, ml	Sub Division, ml	Error Limit, ml
CH10819A/1	10	0.2	± 0.2
CH10819A/2	25	0.5	± 0.5
CH10819A/3	50	1	± 1
CH10819A/4	100	1	± 1
CH10819A/5	250	2	± 2
CH10819A/6	500	5	± 5
CH10819A/7	1000	10	± 10

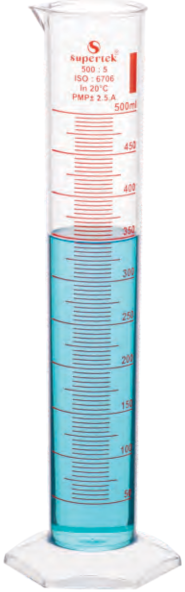
POLYMETHYLPENTENE (PMP)

Class A : Printed in Red with Calibration Certificate

Class B : Printed in Blue

Meets accuracy requirements of Class A & B under DIN 12681/ ISO 6706

	Class A			Class B		
Capacity, ml		Sub Division, ml	Error Limit, ml		Sub Division, ml	Error Limit, ml
10	**CH10819/1**	0.2	± 0.1	**CH10819B/1**	0.2	± 0.2
25	**CH10819/2**	0.5	± 0.25	**CH10819B/2**	0.5	± 0.5
50	**CH10819/3**	1	± 0.5	**CH10819B/3**	1	± 1
100	**CH10819/4**	1	± 0.5	**CH10819B/4**	1	± 1
250	**CH10819/5**	2	± 1	**CH10819B/5**	2	± 2
500	**CH10819/6**	5	± 2.5	**CH10819B/6**	5	± 5
1000	**CH10819/7**	10	± 5	**CH10819B/7**	10	± 10



DESSICATOR (VACUUM) ALL CLEAR

These Vacuum Dessicator are provided with a transparent polycarbonate bottom that makes it more robust and provides excellent view of the dessicator. All the other features are same as PP/PC vacuum dessicator.

	Size, mm
CH10917/1	150
CH10917/2	200
CH10917/3	250
CH10917/4	300

DESSICATOR (PLAIN)

Plain Dessicator are physically the same as Vacuum Dessicator. Only difference is the absence of stop cock. Grease should be applied on the flanges to make it air tight.

	Size, mm
CH10919/1	150
CH10919/3	200
CH10919/5	250
CH10919/6	300

PETRI DISH

Polypropylene, clear, unbreakable and autoclavable.

	Diam., mm
CH10933/1	50
CH10933/3	75
CH10933/5	100
CH10933/6	125
CH10933/7	150

PETRI DISH (DISPOSABLE), 90 x 15 mm

Transparent, Disposable round plates with excellent clarity & strength.

- Made from excellent quality optically clear, non-toxic polystyrene for sample clarity and visibility.
- Suitable for all microbiological applications manufactured as per ISO 24998 : 2008 “Plastic Laboratory ware - Single use”
- Shallow dish design allow for maximum use of incubator space.
- It retains same shape upto 55°C.
- Vented Dishes have elevated lid that allows for superior gas exchange and evaporation.
- Designed for routine Laboratory work.

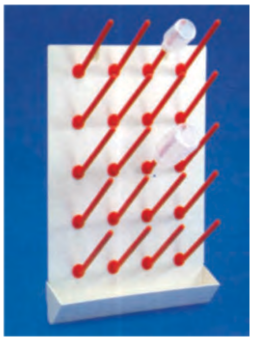
CH10930

RACK FOR PETRI DISHES

Clear acrylic with polycarbonate posts. Useful during inoculation, incubation & storage. Visibility from all sides enables the culture to be seen and check during incubation.

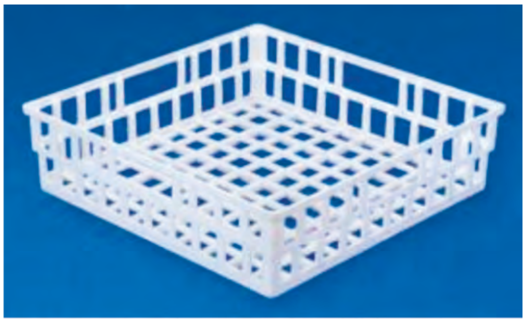
CH10935/1	Rack for 90 mm petri dishes
CH10935/3	Rack for 60 mm petri dishes

DRAINING RACK



Draining Rack provides an excellent option for post wash draining of tubes & bottles in the laboratory. The back plate has 20 holes into which pegs are tightened with the help of screw-nuts. Bottom of the rack is provided with a tray which collects all the waste water drained down which can further be collected in a container via drain tube. This rack does not rot, stain or rust.

CH10936B



DRAINING BASKET

As the name suggests, this basket with wide net like structure on all sides prove really useful for draining different laboratory apparatus after washing them. Made of Polypropylene, this basket can be repeatedly autoclaved.

	Size
CH10936A	400 mm x 400 mm x 100 mm

VOLUMETRIC FLASKS, PP, CLASS B WITH NS STOPPERS, PP

Lighter in weight, are an excellent break-resistant alternative to glass comes with newly designed Supertek® Super Stopper™ makes it completely leak proof.
Offers excellent chemical resistance.

Highly transparent PP construction.
Class B tolerances according to DIN EN ISO 1042.
Calibrated at 20°C.
Calibrated at automatic calibrated machines & highly accurate balances.
Provides excellent resistance to chemicals, alkalis and acids.

	Capacity, ml	Tolerance ± ml	Neck NS
CH11077C/2	50	0.12	12/21
CH11077C/3	100	0.20	14/23
CH11077C/4	250	0.30	19/26
CH11077C/5	500	0.50	19/26
CH11077C/6	1000	0.80	24/29

FLASK SUPPORT, POLYPROPYLENE

For round bottom flasks
upto 10 litres, autoclavable.
CH11076

FLASK, VOLUMETRIC, POLYPROPYLENE

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

	Capacity, ml
CH11078/1	25
CH11078/2	50
CH11078/3	100
CH11078/4	250
CH11078/5	500
CH11078/6	1000

FLASK, CONICAL, POLYPROPYLENE

These cone shaped flasks are rigid, translucent and autoclavable. The screw cap keeps the contents of the flask contamination free and makes the flask leakproof. Threads should be disengaged before autoclaving.

	Capacity, ml
CH11080/1	100
CH11080/2	250
CH11080/3	500

FILTER FUNNEL, POLYTHENE

Plain, long stem.

	Diam., mm
CH11087/7	100
CH11087/11	150

ANALYTICAL FUNNEL

Designed specifically for analytical chemistry, the body of the funnel is 60°. Moulded in PP, these funnels are provided with internal & external ribs to prevent air blockage.

	Size, mm
CH11089/10	35
CH11089/1	50
CH11089/2	62
CH11089/3	75
CH11089/4	100

BUCHNER FUNNEL POLYPROPYLENE, TWO PIECE

These Buchner funnels are molded in two parts.
The bowl and perforated filter plate is one unit which can be separated from the funnel and stem for easy cleaning.
The two parts snap together for a vacuum seal.

- Economical, Light Weight & Durable.
- Autoclavable at 121°C (250°F).
- Long Lasting, Easy to Clean.
- Good Chemical Resistance.
- Won't Chip, Crack or Break.
- Perfect for Lab & Classroom.

	Size, mm
CH11113/1	55
CH11113/3	70
CH11113/5	90

POWDER FUNNEL

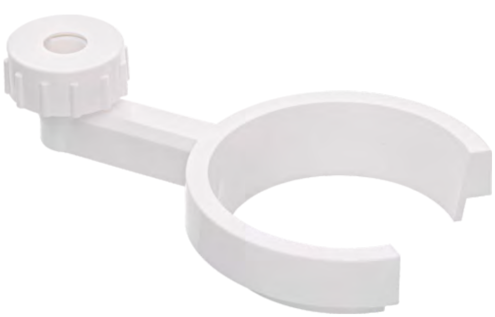
These polypropylene funnels are best suited for transferring powdered reagents . The unique feature of these funnels is its parallel stem that minimizes bridging of powder. These funnels are steam autoclavable at 121°C

	Size, mm
CH11091/1	65
CH11091/2	80
CH11091/3	100
CH11091/4	150

SEPARATORY FUNNEL

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

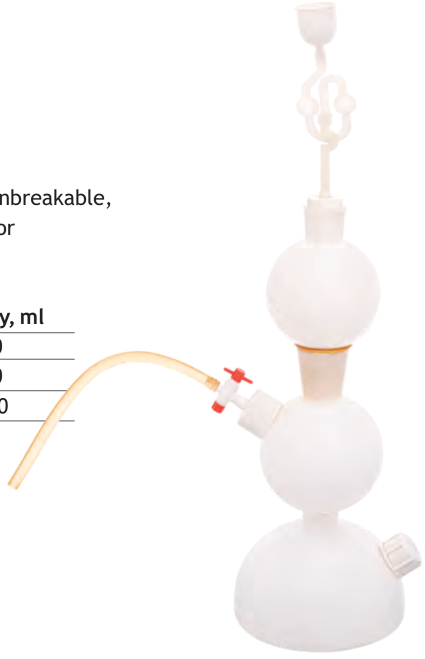
	Capacity, ml
CH11125/1	100
CH11125/3	250
CH11125/5	500



FUNNEL HOLDER

Made of Polypropylene these corrosion free funnel holders can hold funnels with dia 3” to 6”. The extra plate provided can be placed to hold funnels bearing dia 1” to 3”. Two tapered wedges are provided to ensure firm grip on Rods having dia ½” or 3/8”.

CH11126/1	Single
CH11126/2	Double



KIPP'S APPARATUS

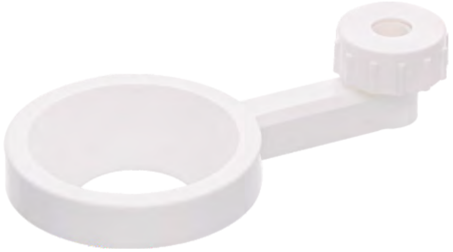
Made of polyethylene, unbreakable, leakproof, detachable for easy cleaning.

	Capacity, ml
CH11134/2	250
CH11134/4	500
CH11134/6	1000

JAR, COUPLIN

Coplin Jar made of Polypropylene can hold 10 slides of the size 1”x3” back to back. The interior of the Coplin Jar is grooved in a way to hold slides in vertical position. Domed & shallow thread screw cap provides protection to the slides.

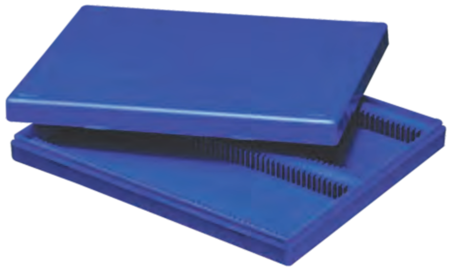
CH11193



SEPARATORY FUNNEL HOLDER

This non-corrosive Separatory Funnel Holder, moulded in Polypropylene, has a front opening which provides clear view of the solution and allows unobstructed placement of separating funnels. Two tapered wedges are provided to ensure firm grip on Rods having dia ½” or 3/8”.

CH11127



MICROSCOPE SLIDE BOX

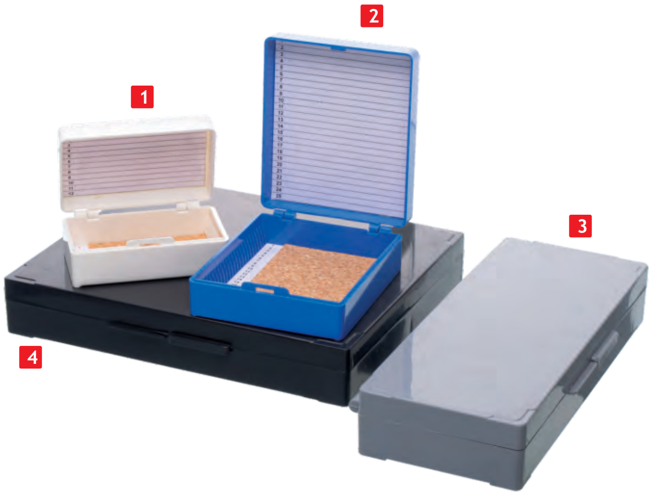
Slide storage boxes are designed for the safe long term storage of microscope slides. They are produced from durable Polystyrene and offer a hinged lid for easy opening and closing. An inventory sheet is located on the inside cover for convenient slide identification and organization. These storage boxes accommodate standard 25 x 75mm and 1 x 3" microscope slides.

	Slide
CH11191/1	25 Slides
CH11191/2	50 Slides
CH11191/3	100 Slides

SLIDE MAILERS

These slide mailers made of polypropylene are the best suited option for secure shipping & storage of slides. Easy to secure snap provide safe storage. Available in different sizes, these slide mailers provide an excellent view of the slides placed inside for easy identification.

	Slide
CH11191/5	1 Slide
CH11191/6	2 Slides
CH11191/7	5 Slides



MICROSCOPE SLIDE BOX

Slide storage boxes are designed for the safe long term storage of microscope slides. These storage boxes accommodate standard 25 x 75 mm /1 x 3" microscope slides.

- Made of Durable High Quality ABS Plastic.
- Heavy walls will not wrap, splinter or crack.
- Cork sheet lined base for safe storage.
- Boxes are unaffected by humidity & also are insect proof.
- Available in 4 different capacities for storage of 12/25/50/100 slides.
- An inventory sheet is located on the inside cover for convenient slide identification and organization.

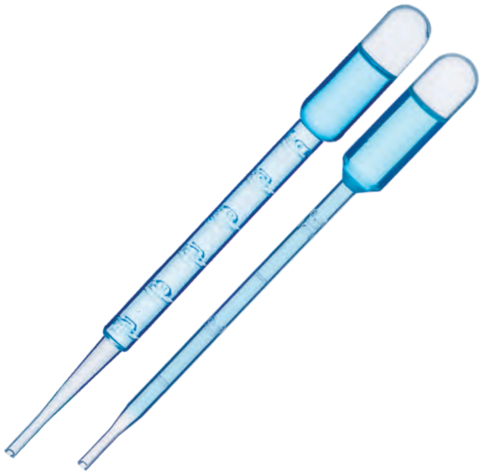
		Slide
CH11191/11	1	12 Slides
CH11191/12	2	25 Slides
CH11191/13	3	50 Slides
CH11191/14	4	100 Slides

* Standard Color-Grey
* Also available in Blue, Grey, Black, White Colors on request.
MOQ Applicable

PIPETTE PUMP

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

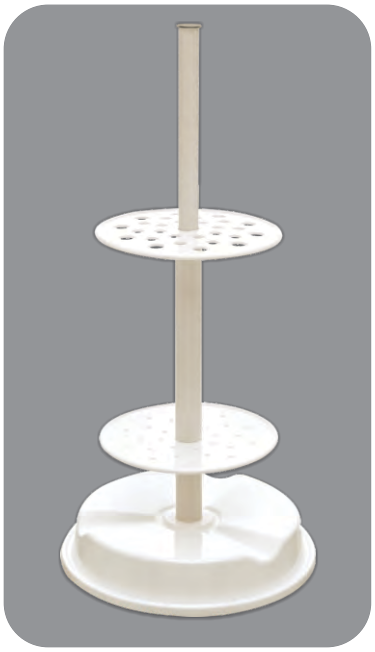
	Size, ml
CH11815/1	2
CH11815/4	10
CH11815/5	25



PASTEUR PIPETTE

These disposable pipettes made in low density polyethylene have a bulb and stem with graduation. The non-toxic polyethylene has a low affinity for proteins. These pipettes have excellent reproducibility of the no. of drops per milliliters thus making them a best option for distributing aliquots of liquid portions and that's why they are also called transfer pipettes.

	Capacity, ml
CH11622/1	1.0
CH11622/3	3.0



PIPETTE STAND

To hold 24 pipette vertically. Plastic.
CH11855/1

PIPETTE STAND

To hold 12 pipettes horizontally.

CH11850 Polypropylene

PIPETTE BOX

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

CH11856

PIPETTE RACK STAND,ACRYLIC

Keep pipettors within easy reach inside this convenient rack. Holds five standard size pipettors.

No. of Places	L x W x H, mm
5	190 x 135 x 265

CH11857

PIPETTE STAND (94 PIPETTES ROTARY)

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

CH11860

LABORATORY TRAY

Needless to say, Polypropylene laboratory Tray moulded in Polypropylene is a multipurpose tray that can be used for sterilizing, drying glassware porcelainware & other laboratory instruments. These steam autoclavable trays have tapered walls which prove good for nesting.

	Size
CH11862/1	450mm x 350mm x 75 mm
CH11862/3	375mm x 300mm x 75 mm

UTILITY TRAY

Adding to the already existing range of autoclavable laboratory trays, is the utility Tray and as the name suggests this Polypropylene Tray can be utilized for purposes ranging from drying glassware to sterilizing and to store and laboratory apparatus.

	Size
CH11864	375mm x 350mm x 130mm

CARRIER TRAYS

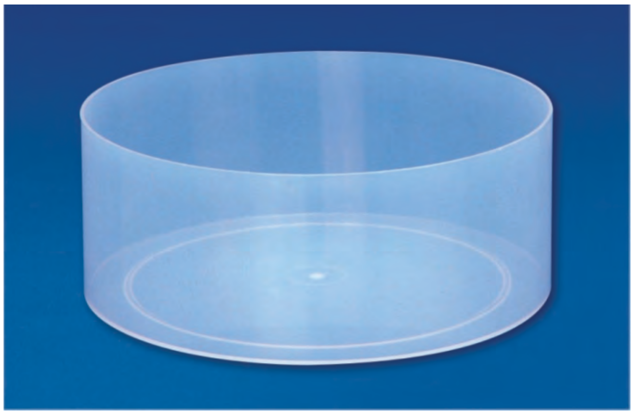
This autoclavable Polypropylene Tray has a unique feature i.e. its handle which proves really helpful in carrying reagents or laboratory apparatus from one place to another, single handedly.

	Size
CH11866	380mm x 240mm x 115 mm

INSTRUMENT TRAY

This autoclavable trays have cover which fits into groove of trays to minimize spillage of material .Smaller size can be used to sterilize small instrument whereas the larger size allows pipettes to be fully immersed in disinfectant prior to ste rilisizing .

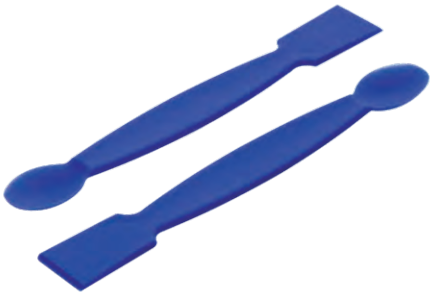
	Size
CH11868/1	220mm x 150mm x 70 mm
CH11868/2	450mm x 150mm x 70 mm



PNEUMATIC TROUGH

These Troughs, made of polypropylene, are autoclavable and are available in different sizes. These can be used for a wide range of purposes including storage, sterilizing & drying labware etc.

	Diam., mm	Height, mm
CH11869/1	180	60
CH11869/2	200	100
CH11869/3	250	100



SPATULA

Moulded in Polypropylene, Spatula consists of a spoon on one side while the other end is a flat construction with a knife edge. This edge is helpful in breaking up crystals of different salts while the spoons used to draw salts from the containers.

	Size, mm
CH12210/1	150
CH12210/2	200

FORCEP

These forceps made in Polypropylene have serrated tips to ensure a firm grasp. The design of these forceps is such that these are strong & durable

	Description
CH12232	Forcep Tweezer

RETORT STAND

These non-corrosive, moulded retort stand provided excellent replacement for the metal ones. Even the metallic rod has a polypropylene covering making it non-corrosive. The rod measuring 12.5mm x 750mm can be screwed into the heavy base giving way to a perfectly stable retort stand.

	Size, mm	Description
CH12253/1	225x150	Side Hole
CH12253/2	300x200	Centre Hole
CH12253/3	300x200	Side Hole

POLICEMEN STIRRING RODS

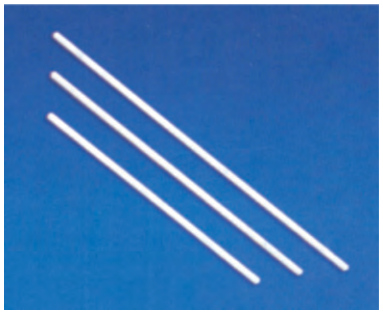
This, infact, is a multipurpose apparatus which works as a stirrer as well spatula. The fattened ends of this rod form two small spatulas.

	Size
CH12390	ø-6 mm x h-245 mm

SPREADER, L -SHAPED

This sterile, smooth spreader enables even spreading of liquid samples across the surface of a jar plate without grouping & cutting the medium.

CH12392



STIRRER

Made of Polypropylene, these stirrers are very useful for stirring different solutions in the laboratory. These stirrers prove to be tough and long lasting.

	Size
CH12389/1	ø-10 mm x h-250 mm
CH12389/2	ø-6 mm x h-150 mm
CH12389/3	ø-7 mm x h-200 mm
CH12389/4	ø-7 mm x h-250 mm
CH12389/5	ø-7 mm x h-300 mm

SOFT LOOP STERILE

This non-toxic disposable loop is accurate to semi quantitative stand for handling samples.

	Size
CH12391/1	Soft loopes 1µl
CH12391/2	Soft loopes 10µl

TEST TUBE WITH SCREW CAP

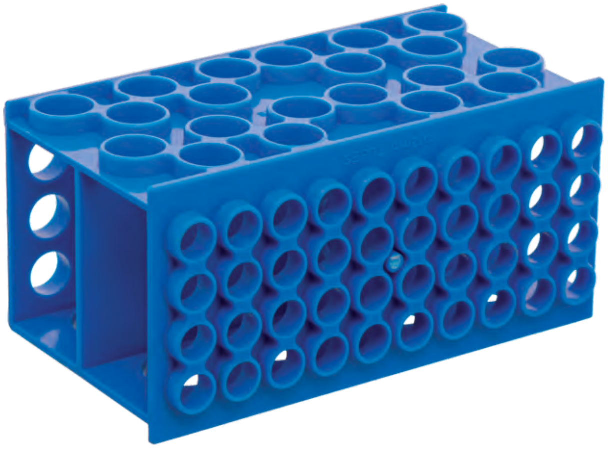
These Polypropylene tubes provide excellent aption for RIA, coagulation & bacteriology etc. The cap in screwed on to the tube & hence this tube can be filled up to the brim.

CH12666 16x100 mm Ext. Thread

TEST TUBE CAP

This transparent Polypropylene cap for test tubes proves to be an excellent protection to the contents to the tubes. The grooves inside the cap tighten the fitting on the tube while the outer grooves would hold identification labels. The built in seal ring would set in the tube making the combination a leakproof one.

CH12668	Cap for Test tube ø 25 mm

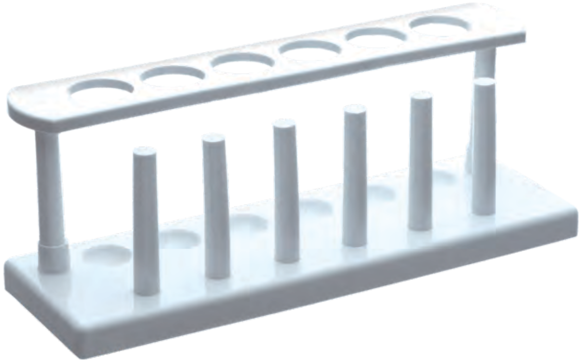


UNIVERSAL MULTI RACK

Polypropylene, compatible with different sizes of tubes. Four sides of this rack can be used for tubes of ø30 mm, ø20 mm, ø17 mm & ø12 mm

CH12750

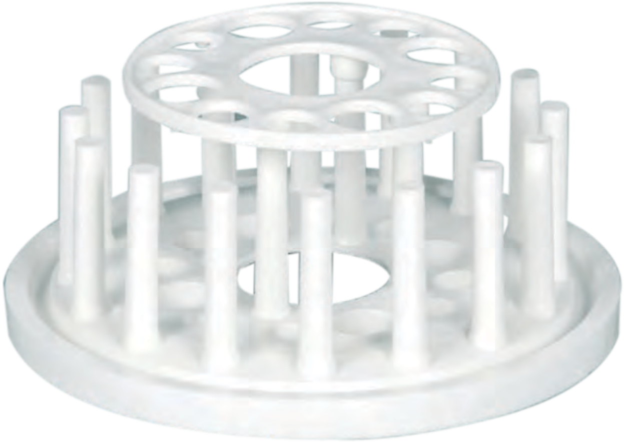
Best Seller



TEST TUBE STAND

Polypropylene, autoclavable, available in two sizes, with drying pins.

CH12755/2	16 mm & 25 mm Ø Tubes
CH12755/3	25 mm Ø Tubes



TEST TUBE STAND (ROUND TEST ROUND)

Circular twelve places Polypropylene test tube stand has four 25 mm dia holes and eight 19 mm dia holes in its top plate. The base has matching hemispherical wells & 16 vertical pins for drying tubes surrounded by a trough to catch drippings. This autoclavable rack can be easily disassembled for cleaning purpose.

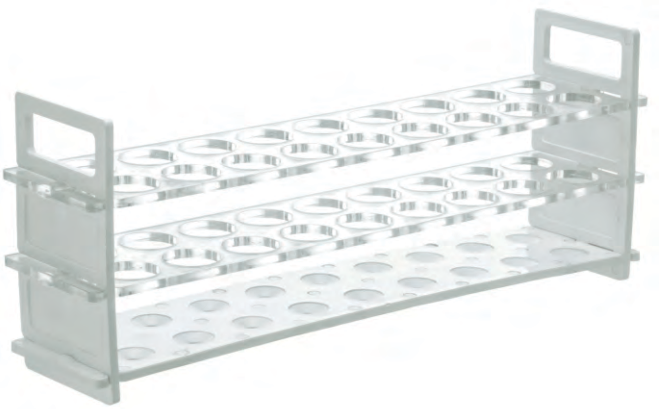
	Size
CH12760	19 mm & 25 mm Ø Tubes

TEST TUBE STAND (3 TIER)

3 tier design provide clear view of the tube contents and convenient insertions and removal of tubes. These autoclavable racks can with stand sub-freezing temperatures.

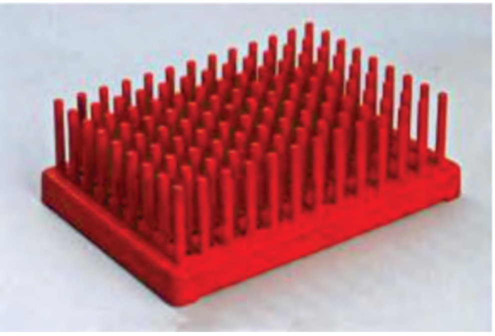
Material : Polypropylene

CH12765/1	13 mm x 31 Tubes
CH12765/2	16 mm x 31 Tubes
CH12765/3	20 mm x 20 Tubes
CH12765/4	25 mm x 12 Tubes
CH12765/5	25 mm x 18 Tubes
CH12765/6	32 mm x 12 Tubes
CH12765/8	25 mm x 36 Tubes
CH12765/9	13 mm x 18 Tubes
CH12765/10	15 mm x 18 Tubes
CH12765/12	18 mm x 12 Tubes
CH12765/13	13 mm x 62 Tubes
CH12765/14	16 mm x 62 Tubes
CH12765/15	20 mm x 40 Tubes
CH12765/17	13 mm x 48 Tubes
CH12765/19	13 mm x 72 Tubes



Material : Polycarbonate

CH12770/1	13 mm x 31 Tubes
CH12770/2	16 mm x 31 Tubes
CH12770/3	20 mm x 20 Tubes
CH12770/4	25 mm x 12 Tubes
CH12770/8	13 mm x 62 Tubes
CH12770/12	16 mm x 62 Tubes
CH12770/15	20 mm x 40 Tubes
CH12770/16	25 mm x 24 Tubes
CH12770/17	25 mm x 18 Tubes
CH12770/18	25 mm x 36 Tubes
CH12770/19	32 mm x 12 Tubes



TEST TUBE PEG RACK

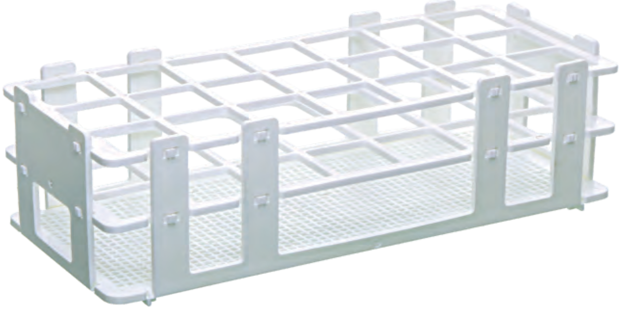
These racks can conveniently hold inverted tubes for drying purpose and minimize collection of airborne contaminants inside the tube . The rack can also be used to hold and dry electrophoresis and chromatography plates.

	Size
CH12772/1	13 mm x 90 Tubes
CH12772/2	16mm x 60 Tubes

TEST TUBE BASKETS

Test Tube Baskets are made of Polypropylene. These autoclavable, Unbreakable and non-corrosive Baskets are ideal for rinsing & draining glassware. These are also useful for storage of test tubes or culture tubes during sterilization or incubation.

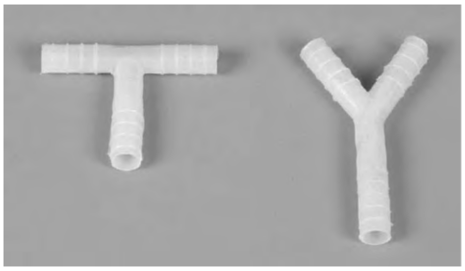
	Size
CH12777/1	140 mm x 120 mm x 110 mm
CH12777/2	160 mm x 160 mm x 160 mm



TEST TUBE STAND (WIRE PATTERN)

An economical substitute for wire racks, here are these submersible, autoclavable racks which are stackable when empty. These are available in different colors and are made of a special blend of polypropylene that makes it sink in a water bath and maintain their stability even in agitated water. These space saving racks can easily be disassembled for cleaning purposes. The base is in the form of a grid with square openings and has fold up sides and end bars that lock into rack tops.

	Size
CH12775/1	13 mm x 90 Tubes
CH12775/2	16 mm x 60 Tubes
CH12775/6	20 mm x 40 Tubes
CH12775/7	25 mm x 24 Tubes
CH12775/8	30 mm x 21 Tubes



TUBING CONNECTORS T & Y SHAPE

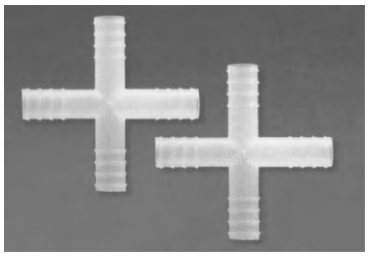
The crest & valley structure provided at all the ends of the connectors give excellent leakproof grip to the tube.

CH13075/1	T Connectors 6 mm
CH13075/3	T Connectors 8 mm
CH13075/5	T Connectors 10 mm
CH13075/7	Y Connectors 6 mm
CH13075/8	Y Connectors 8 mm
CH13075/9	Y Connectors 10 mm

NESTLER CYLINDER STAND

This stand as the name suggests is use for keeping nestler cylinders. Made of polypropylene, this stand is available in two sizes, one for 50ml nestler cylinder & other for 100 ml. Nestler cylinder.

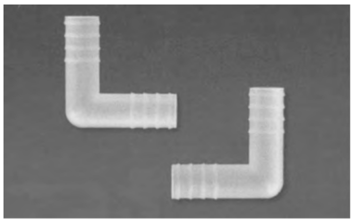
	Capacity, ml
CH12799P/1	50
CH12799P/2	100



CONNECTORS (CROSS)

Four way connectors prove to be an excellent option for achieving leakproof joints in tubing connections.

	Size, mm
CH13080/2	6
CH13080/4	8
CH13080/5	10



CONNECTORS (L SHAPED)

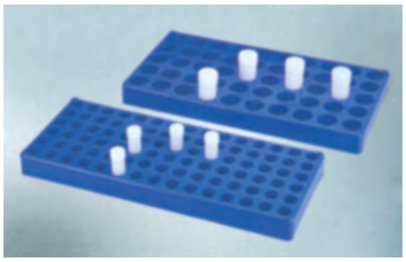
These L shaped connectors also add to the range of different connectors committed to provide excellent leak proof tube arrangements.

	Size, mm
CH13085/2	6
CH13085/3	8
CH13085/5	10

SCINTILLATION VIAL

These unbreakable vials, moulded in Polyethylene, are fitted with leakproof screw caps. These vials can be used with standard counting equipment for liquid scintillation system and are excellent for low activity count.

	Capacity, ml
VIA10010/1	8
VIA10010/2	20



CRYO RACK

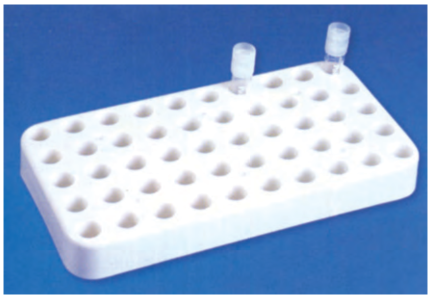
Cryo Rack is moulded in Polycarbonate making it tough, durable & autoclavable. This handy rack can hold 50 vials at a time. The unique feature of this rack is that vials can be unscrewed without actually picking them up as the vials will lock in every well and hence will not twist. This rack is provided with four anti skid rubbers & each well is identified with an alpha-numeric index.

VIA10020	50 places for 1, 1.8 & 4.5 ml Cryo Vials

CRYO BOX (PP)

Moulded in Polylropylene, the top of the box is attached to the bottom through well designed built- in hinges. The bottom has built-in spaces to hold vials up to 2 ml. capacity. Available in two different sizes, these autoclavable boxes bear alpha numeric index for easy identification of different vials place inside.

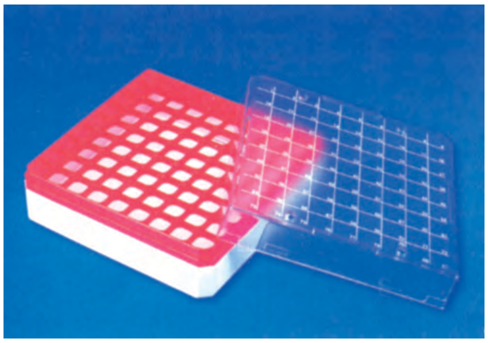
	Size
VIA10024/1	81 Places for 1 ml. or 1.8 ml. Cryo vials
VIA10024/2	100 Places for1ml. or 1.8 ml. Cryo vials



RACK FOR SCINTILLATION VIAL

These Racks for Scintillation Vials, moulded in Polypropylene, are autoclavable & corrosion resistant. There is an individual rack for both 8 ml. & 20 ml. Vials. These rugged & stable rack can hold scintillation vials for convenient storage, handling & sample preparations.

	Capacity
VIA10012/1	Rack for 90 vials of 8 ml
VIA10012/2	Rack for 50 vials of 20 ml

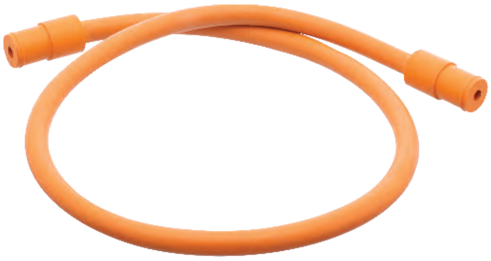


CRYO BOX (PC)

Cryo Boxes are moulded in Polycarbonate making it extra strong and autoclavable. These can accommodate Cryo Vials of up to 4.5 ml. Capacity and are designed to be used at temperatures ranging from -190 °C to +121°C. The transparent cover of the box gives a good view of the contents inside and is numbered for better inventory control.

	Size
VIA10022/1	81 Places for 1ml. or 1.8 ml. Cryo vials
VIA10022/2	81 Places for 4.5 ml. Cryo vials
VIA10022/3	100 Places for 1 ml. or 1.8 ml. Cryo vials Vials
VIA10022/4	50 Places for 1 ml. or 1.8 ml. Cryo vials Vials

RUBBER WARE



BURNER TUBE

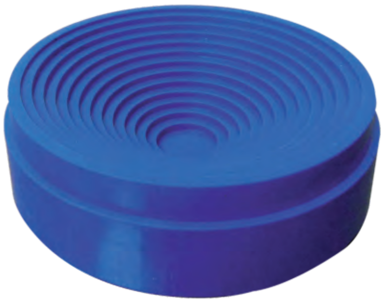
With reinforced ends for fitting to bunsen burner and gas tap.

	Size, mm
CH10635/1	450
CH10635/2	600
CH10635/3	900
CH10635/4	1000

NEOPRENE RUBBER

Neoprene tubing with thick ends for connecting to bunsen burner.

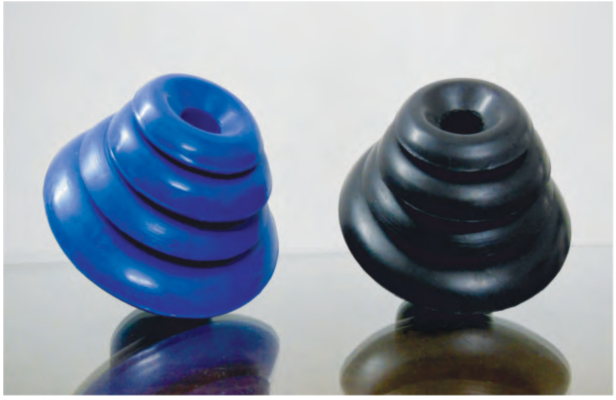
	Size, mm
CH10635N/1	600
CH10635N/2	900



FLASK STAND

Silicon Rubber, with 12-step inner wall for good stability. Suitable for round bottom flasks. Temp Range: -50°C to + 250°C.

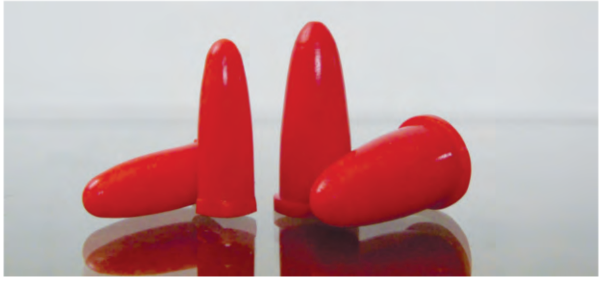
CH11075



FILTERATION RUBBER CONES

To avoid glass to glass contact. Used on many filtering apparatus, flasks, Buchner funnel etc.

Silicon	Natural	Size, ml
CH11106/1	**CH11107/1**	250
CH11106/3	**CH11107/3**	500
CH11106/5	**CH11107/5**	5000
CH11106/7	**CH11107/7**	10000



TEATS

Rubber, with rolled edges, for use with dropping pipettes.

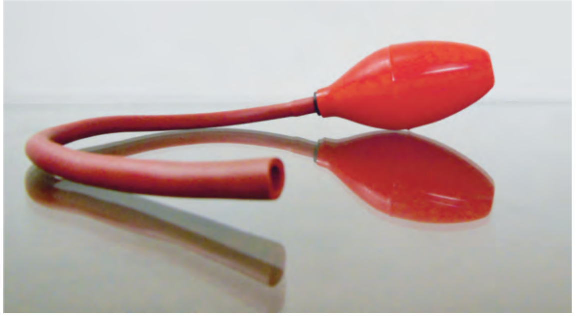
	Type	Rubber Type	Capacity, ml
CH11835/1	Conical	Silicon	1
CH11835/2	Conical	Silicon	2-3
CH11835/3	Conical	Natural	1
CH11835/4	Conical	Natural	2-3
CH11835/5	Round	Natural	1
CH11835/6	Round	Latex	1
CH11835/7	Round	Latex	2-3

PIPETTE BULBS

Rubber pipette bulb allows safe, manual control of filling or discharging toxic liquids through a pipette by finger pressure,avoiding mouth contact.

Natural	Silicon	Capacity, ml
CH11838/1	CH11842/1	5
CH11838/2	CH11842/2	10
CH11838/3	CH11842/3	15
CH11838/4	CH11842/4	20
CH11838/5*	CH11842/5*	25
CH11838/6	CH11842/6	50
CH11838/7	CH11842/7	100

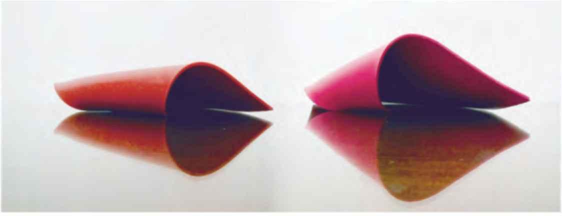
* Oval Shape



ATOMIZER BULB

Typically, an atomizer is used to dispense something in small, controlled amounts.

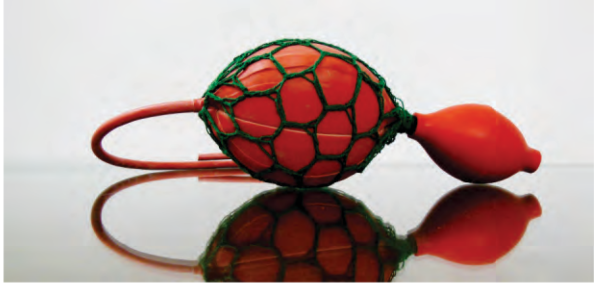
CH11846



SHEET

Used to avoid direct surface contact of glassware products on the solid surface.

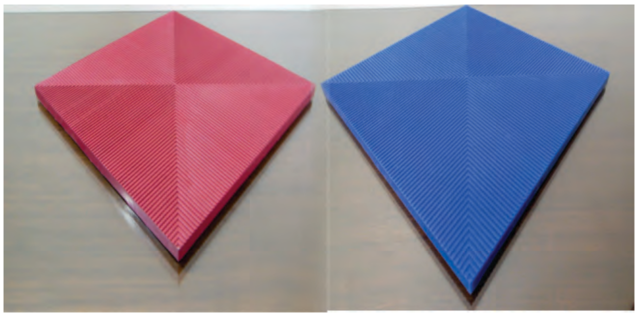
	Size	Rubber
CH12036/1	9.5" x 9.5" x 2.7 mm	Natural
CH12036/5	9.5" x 9.5" x 2.7 mm	Silicon



RUBBER BELLOW WITH COTTON NET

For use with automatic burettes.

CH11844



LABORATORY MAT

	Size, Inch	Rubber
CH12034/1	12 x 12	Natural
CH12034/5	12 x 12	Silicon

CORRUGATED RUBBER SHEET

Used in Industrial Shelves, Hospital and Medical Buildings etc.

	Size, mm
CH12038	350 x 150

RUBBER STOPPERS

With number moulded in on each piece. Dimensions are approximate.

Shore hardness is 45-50 A.

Maroon Colour.

SOLID	ONE HOLE	TWO HOLE	No	B. Diam., mm	T. Diam.,mm	Ht., mm	Pack Size
CH12500/1	CH12510/1	CH12520/1	000	6	9	16	100
CH12500/2	CH12510/2	CH12520/2	00	8	10.5	20	100
CH12500/3	CH12510/3	CH12520/3	0	9	13	15.5	100
CH12500/4	CH12510/4	CH12520/4	1	11	14	18.5	100
CH12500/5	CH12510/5	CH12520/5	2	13	16.5	20	100
CH12500/6	CH12510/6	CH12520/6	3	14	19	21	100
CH12500/7	CH12510/7	CH12520/7	4	15	21	22	100
CH12500/8	CH12510/8	CH12520/8	5	17.5	22.5	23	100
CH12500/9	CH12510/9	CH12520/9	6	20	24.5	24	100
CH12500/10	CH12510/10	CH12520/10	7	20	26	27.5	100
CH12500/11	CH12510/11	CH12520/11	8	21	26.5	27.5	100
CH12500/12	CH12510/12	CH12520/12	9	21.5	28	31	100
CH12500/13	CH12510/13	CH12520/13	10	26	30	33	100
CH12500/14R	CH12510/14R	CH12520/14R	11	29	33	32	100
CH12500/15	CH12510/15	CH12520/15	12	30	34.5	34.5	100
CH12500/16R	CH12510/16R	CH12520/16R	13	31	38.5	37	25
CH12500/17R	CH12510/17R	CH12520/17R	14	32	41.5	45.5	25
CH12500/18R	CH12510/18R	CH12520/18R	15	38	42	40.5	25
CH12500/19R	CH12510/19R	CH12520/19R	16	35	45	36.5	25
CH12500/20R	CH12510/20R	CH12520/20R	17	40	49.5	40.5	25
CH12500/21R	CH12510/21R	CH12520/21R	18	48	53.5	33.5	25
CH12500/22R	CH12510/22R	CH12520/22R	19	44	58	45	25
CH12500/23R	CH12510/23R	CH12520/23R	20	51	60	56.5	25
CH12500/24R	CH12510/24R	CH12520/24R	22	50	65	41	25
CH12500/25R	CH12510/25R	CH12520/25R	23	59	72	42	25

* General Tolerance: ± 0.2 mm

NATURAL RUBBER SOLID CORKS

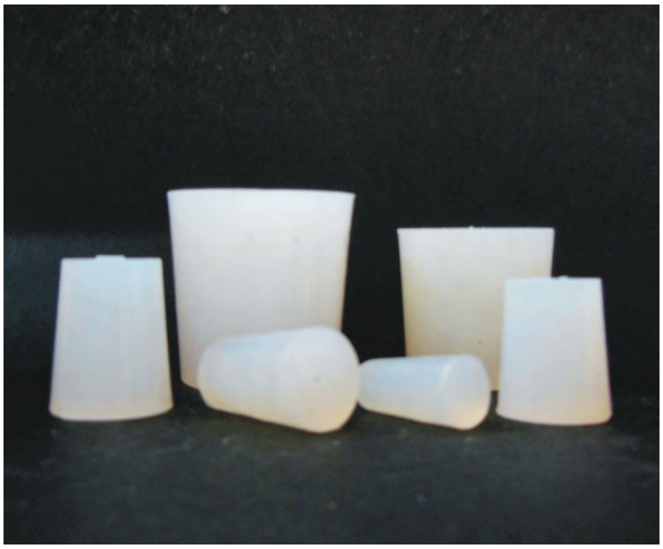
Natural with Synthetic blend. It has extended Shelf life .

Pack of 10.

Orange Colour.

SOLID	ONE HOLE	TWO HOLE	No	B. Diam., mm	T. Diam.,mm	Ht., mm
CH12537/1	CH12538/1	CH12539/1	5	5	7	16
CH12537/2	CH12538/2	CH12539/2	8	8	10.5	20
CH12537/3	CH12538/3	CH12539/3	9	9	11.5	20
CH12537/4	CH12538/4	CH12539/4	10	10	12.5	20
CH12537/5	CH12538/5	CH12539/5	11	11	14	24
CH12537/6	CH12538/6	CH12539/6	13	13	16	24
CH12537/7	CH12538/7	CH12539/7	15	15	18	24
CH12537/8	CH12538/8	CH12539/8	17	17	20.5	26
CH12537/9	CH12538/9	CH12539/9	18	18	21	26
CH12537/10	CH12538/10	CH12539/10	19	19	22.5	28
CH12537/11	CH12538/11	CH12539/11	21	21	24.5	28
CH12537/12	CH12538/12	CH12539/12	23	23	26.5	28
CH12537/13	CH12538/13	CH12539/13	25	25	28.5	28
CH12537/14	CH12538/14	CH12539/14	27	27	31	32
CH12537/15	CH12538/15	CH12539/15	29	29	31	32
CH12537/16	CH12538/16	CH12539/16	31	31	36	35
CH12537/17	CH12538/17	CH12539/17	33	33	38.5	38.5
CH12537/18	CH12538/18	CH12539/18	35	35	45.5	36.5
CH12537/19	CH12538/19	CH12539/19	38	38	42.5	40.5
CH12537/20	CH12538/20	CH12539/20	40	40	49.5	40.5

* General Tolerance: ± 0.2 mm



SILICON RUBBER CORKS

- General purpose solid silicone rubber stoppers.
- Autoclavable.
- Transparent white color.
- It is manufactured from pure silicone rubber.

Pack of 10.

SOLID	No	B. Diam., mm	T. Diam.,mm	Ht., mm
CH12540/1	5	5	7	16
CH12540/2	8	8	10.5	20
CH12540/3	9	9	11.5	20
CH12540/4	10	10	12.5	20
CH12540/5	11	11	14	24
CH12540/6	13	13	16	24
CH12540/7	15	15	18	24
CH12540/8	17	17	20.5	26
CH12540/9	18	18	21	26
CH12540/10	19	19	22.5	28
CH12540/11	21	21	24.5	28
CH12540/12	23	23	26.5	28
CH12540/13	25	25	28.5	28
CH12540/14	27	27	31	32
CH12540/15	29	29	31	32
CH12540/16	31	31	36	35
CH12540/17	33	33	38.5	38.5
CH12540/18	35	35	45.5	36.5
CH12540/19	37	37	42.5	38.5
CH12540/20	39	39	44.5	38.5

* General Tolerance: ± 0.2 mm

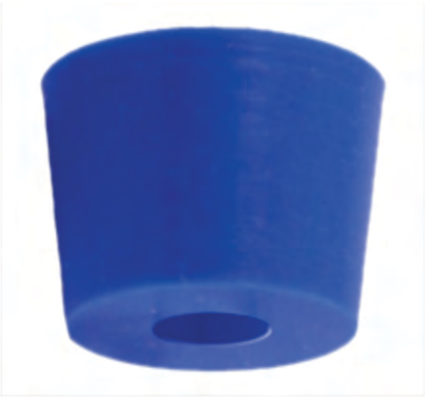
NEOPRENE RUBBER CORKS

Easy distinguishable blue color for lab use.
Flame resistant & Autoclavable.
Tolerates weathering & ozone.
Working temp. are 50 to 120°C.
Has excellent low gas permissiblity.
Pack of 10.

SOLID	No	B. Diam., mm	T. Diam.,mm	Ht., mm
CH12541/1	5	5	7	16
CH12541/2	8	8	10.5	20
CH12541/3	9	9	11.5	20
CH12541/4	10	10	12.5	20
CH12541/5	11	11	14	24
CH12541/6	13	13	16	24
CH12541/7	15	15	18	24
CH12541/8	17	17	20.5	26
CH12541/9	18	18	21	26
CH12541/10	19	19	22.5	28
CH12541/11	21	21	24.5	28
CH12541/12	23	23	26.5	28
CH12541/13	25	25	28.5	28
CH12541/14	27	27	31	32
CH12541/15	29	29	31	32
CH12541/16	31	31	36	35
CH12541/17	33	33	38.5	38.5
CH12541/18	35	35	45.5	36.5
CH12541/19	38	38	42.5	40.5
CH12541/20	40	40	49.5	40.5

* General Tolerance: ± 0.2 mm

ASTM Stopper's
are also available



SILICON RUBBER CORK, FOR FILTRATION FLASKS

Designed for use with vacuum filtering flasks and 47mm vacuum filter holder assemblies 100% Silicone Material Perforated, 1-hole accepts filter holder assemblies and tubing.

	No	T. Diam., mm	B. Diam.,mm	Ht., mm
CH12543/1	5	27	23	25
CH12543/3	8	41	33	25

* General Tolerance: ± 0.2 mm

CRUCIBLE SLEEVES

For glass filtering flasks. Enables a clean & firm seal between funnels, vacuum filters, etc. and the flask. It is used to avoid direct glass to glass contact of laboratory glassware. It acts as cushion between the flask and the assembly which is fitted above it.

Set of 7.

Size	B. Diam.,mm	T. Diam., mm	Ht., mm	W. Thickness,mm
1	11	22	20	2.5
2	22.5	28	20	2.5
3	23.5	36.5	25	3
4	28	46	30.5	3
5	38	56	35	3.5
6	47	68	41	4
7	57	81	43.5	5

CH12545A Natural
CH12545B Silicon

TURNOVER FLANGE SEPTA

These septa are ideal for moisture or air sensitive applications. When pierced with a needle, they have excellent re-sealing capability.

FOR TEST TUBE

	Natural		Silicon	
Size, mm	Non-Serrated	Serrated	Non-Serrated	Serrated
12	CH12546/1	CH12547/1	CH12548/1	CH12549/1
15	CH12546/3	CH12547/3	CH12548/3	CH12549/3
18	CH12546/5	CH12547/5	CH12548/5	CH12549/5
25	CH12546/7	CH12547/7	CH12548/7	CH12549/7

FOR SOCKET

	Natural		Silicon	
Size	Non-Serrated	Serrated	Non-Serrated	Serrated
B - 14	CH12550/1	CH12552/1	CH12553/1	CH12554/1
B - 19	CH12550/3	CH12552/3	CH12553/3	CH12554/3
B - 24	CH12550/5	CH12552/5	CH12553/5	CH12554/5
B - 29	CH12550/7	CH12552/7	CH12553/7	CH12554/7

RUBBER TUBING

Natural Rubber. Economic Quality

The tubing is suitable for laboratory, pharmaceutical, industrial and educational purposes.

Red Colour.

Shore Hardness : 45A
Tolerance : ±0.2MM
Temp Range : -20°C to +70°C

Roll of 10 Mtrs.

	I. Diam., mm	W. Thickness, mm	O. Diam., mm
CH13064/0	3	1.0	5
CH13064/1	4	1.0	6
CH13064/2	5	1.5	8
CH13064/3	6	1.5	9
CH13064/4	7	1.5	10
CH13064/5	8	1.5	11
CH13064/6	9	2.0	13
CH13064/7	10	2.0	14
CH13064/8R	12	2.0	16

RUBBER TUBING

Natural with Synthetic blend. Good elasticity with extended Shelf life The tubing is suitable for laboratory, pharmaceutical, industrial and educational purposes.

Orange Colour.

Shore Hardness : 45A
Tolerance : ±0.2MM
Temp Range : -20°C to +70°C

Roll of 10 Mtrs.

	I. Diam., mm	W. Thickness, mm	O. Diam., mm
CH13064A/1	3	1.0	5
CH13064A/2	4	1.0	6
CH13064A/3	5	1.5	8
CH13064A/4	6	1.5	9
CH13064A/5	6.5	1.5	9.5
CH13064A/6	7	1.5	10
CH13064A/7	8	2.0	12
CH13064A/8	9	2.0	13
CH13064A/9	10	2.0	14
CH13064A/10	12	2.0	16
CH13064A/11	15	3.0	21
CH13064A/12	16	3.0	22
CH13064A/13	19	3.0	25

RUBBER TUBING

Natural with Synthetic blend. Extra soft.

The tubing is suitable for laboratory, pharmaceutical, industrial and educational purposes.

Maroon Colour.

Shore Hardness : 45A
Tolerance : ±0.2MM
Temp Range : -20°C to +70°C

Roll of 10 Mtrs.

	I. Diam., mm	W. Thickness, mm	O. Diam., mm
CH13064B/1	3	1.0	5
CH13064B/2	4	1.0	6
CH13064B/3	5	1.5	8
CH13064B/4	6	1.5	9
CH13064B/5	7	1.5	10
CH13064B/6	8	1.5	11
CH13064B/7	9	2.0	13
CH13064B/8	10	2.0	14
CH13064B/9	12	2.0	16
CH13064B/10	15	3.0	21
CH13064B/11	16	3.02	2
CH13064B/12	19	3.0	25

RUBBER TUBING, PRESSURE

Natural Rubber, Resistant to light acids and alkalis. Suitable for laboratory, pharmaceutical, industrial and educational purposes.

Shore Hardness : 50-55A
Tolerance : ±0.2MM
Temp Range : -20C to+70C

Roll of 10 Mtrs.

	I. Diam., mm	W. Thickness, mm	O. Diam., mm
CH13065/2	3.0	3.0	9.0
CH13065/3R	5.0	3.0	11.0
CH13065/4	6.0	3.0	12.0
CH13065/5	8.0	3.0	14.0
CH13065/6	9.0	3.0	15.0
CH13065/7R	10.0	4.0	18.0
CH13065/8R	12.0	4.0	20.0

RUBBER TUBING, HIGH PRESSURE

Natural Rubber. Resistant to light acids and alkalis. Suitable for laboratory, pharmaceutical, industrial and educational purposes.

Shore Hardness : 50-55A
Tolerance : ±0.2MM
Temp Range : -20C to +70C

Roll of 10 Mtrs.

	I. Diam., mm	W. Thickness, mm	O. Diam., mm
CH13067/1R	3.0	5.0	13.0
CH13067/2R	5.0	5.0	15.0
CH13067/3R	6.0	5.0	16.0
CH13067/4R	8.0	5.0	18.0
CH13067/5R	9.0	5.0	19.0
CH13067/6A	10.0	6.0	22.0
CH13067/6R	12.0	6.0	24.0

PRESSURE TUBING GREEN

Natural Rubber, Resistant to light acids and alkalis. The tubing is suitable for laboratory, pharmaceutical, industrial and educational purposes.

Roll of 10 Mtrs.

	I. Diam., mm	W. Thickness, mm	O. Diam., mm
CH13068A	6.40	3.20	12.80

TUBING, SILICON RUBBER

Food Grade, Complies with USP VI Standards and FDA 21 CFR. Suitable for Laboratory, pharmaceutical and industrial use. Suitable for use over a temperature range of -50°C to 250°C.

Shore Hardness: 45A.

Roll of 10 Mtrs.

	I. Diam., mm	W. Thickness, mm	O. Diam., mm
CH13070/0	2	1.0	4
CH13070/1	3	1.0	5
CH13070/1A	3	1.5	6
CH13070/1B	4	1.0	6
CH13070/2	4	1.5	7
CH13070/2A	4	2.0	8
CH13070/3A	5	1.0	7
CH13070/3B	5	1.5	8
CH13070/3C	6	1.0	8
CH13070/4	6	1.5	9
CH13070/4A	6	2.0	10
CH13070/4B	6	3.0	12
CH13070/5	7	1.5	10
CH13070/5A	7	2.0	11
CH13070/5B	8	1.5	11
CH13070/6	8	2.0	12
CH13070/6A	8	3.0	14
CH13070/6B	9	2.0	13
CH13070/8	10	2.0	14
CH13070/10	10	3.0	16
CH13070/11	12	2.0	16
CH13070/12	12	3.5	19
CH13070/13	14	3.0	20
CH13070/14	15	4.0	23
CH13070/15	16	3.0	22
CH13070/16	25	3.0	31

SILICON PLATINUM CURED TUBING

For pharmaceutical and biotechnology applications platinum-cured silicone tubing is an exceptional choice for fluid transfer. It offers high temperature resistance and fewer potential leachables. Silicon provides excellent biocompatibility and chemical inertness to maintain the purity of sensitive fluids. This tubing also has smooth surfaces and lower protein binding levels.

Roll of 10 Mtrs.

	I. Diam., mm	W. Thickness, mm	O. Diam., mm
CH13071A/1	3	1.5	6
CH13071A/2	4	1.5	7
CH13071A/3	5	1.5	8
CH13071A/4	6	1.5	9
CH13071A/5	6	2.0	10
CH13071A/6	7	1.5	10
CH13071A/7	7	2.0	11
CH13071A/8	8	1.5	11
CH13071A/9	8	2.0	12
CH13071A/10	9	2.0	13
CH13071A/11	10	2.0	14
CH13071A/12	12	2.0	16

VACCUM TUBE

Made of pure natural rubber.

Walls does not collapse at high pressure applications.

Per Meter.

	I. Diam., mm
CH13072/1	6
CH13072/5	8

New products can be developed as per buyer's specifications and requirements

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PORCELAINWARE

BASINS, EVAPORATING

Porcelain, round form, with lip, both sides glazed. For bigger dishes, glazed inside and partialy outside.

	Capacity, ml	Diam., mm
CH10110/1	8	25
CH10110/2	15	40
CH10110/3	20	50
CH10110/4	40	60
CH10110/5	100	75
CH10110/6	125	85
CH10110/7	175	100
CH10110/8	275	110
CH10110/9	450	125
CH10110/10	500	140
CH10110/11	850	150
CH10110/12	1300	175
CH10110/13	1700	200
CH10110/14	3300	250
CH10110/15	4500	300
CH10110/16	7500	350
CH10110/17	14000	400

BASINS, EVAPORATING

Porcelain, flat form, with lip, both sides glazed.

	Capacity, ml	Diam., mm	Ht., mm
CH10115/1	35	65	16
CH10115/2	50	75	20
CH10115/3	80	85	22
CH10115/4	100	100	23
CH10115/5R	200	110	34
CH10115/6	300	150	29

BASIN, EVAPORATING

Porcelain, Round semi deep form with lip. Round bottom. Highly resistant to chemicals. Glazed inside and except for rim and partially outside.

	Capacity, ml	OD, mm	Ht., mm
CH10110B/1	35	60	24
CH10110B/2	70	75	30
CH10110B/3	80	80	30
CH10110B/4	120	94	42
CH10110B/5	150	100	42
CH10110B/6	250	115	45
CH10110B/7	385	145	48
CH10110B/8	420	150	52
CH10110B/9	525	162	51
CH10110B/10	765	185	54
CH10110B/11	850	190	56
CH10110B/12	1000	200	77
CH10110B/13	1285	215	75
CH10110B/14	2100	265	80
CH10110B/15	3250	305	95

BASIN, EVAPORATING (SHALLOW FORM)

Porcelain, Shallow form with lip, flat bottom. Highly resistant to chemicals. Glazed except for rim and part of outside bottom.

	Capacity, ml	Ht., mm	Top OD, mm
CH10117A/1	10	10	50
CH10117A/2	30	13	60
CH10117A/3	40	16	70
CH10117A/4	50	20	80
CH10117A/5	75	22	90
CH10117A/6	100	23	105
CH10117A/7	195	34	120
CH10117A/8	300	40	150
CH10117A/9	1000	55	200

BASIN, FUSED SILICA/QUARTZ

Round bottom, with spout, translucent.

	Capacity, ml	Ht., mm	Diam., mm
CH10119/1	20	23	55
CH10119/2	45	27	75
CH10119/3	85	36	94
CH10119/4	100	45	100

BASIN, FUSED SILICA/QUARTZ

Flat bottom, with spout, translucent.

	Capacity, ml	Ht., mm	Diam., mm
CH10121/1	20	15	69
CH10121/2	25	15	79

COMBUSTION BOAT, PORCELAIN

Glazed /unglazed max.
use temp. 1150° C

	Ht., mm	Width, mm	Length, mm
CH10742/1	11	13	90
CH10742/3	10	12	80

CRUCIBLE, GOOCH

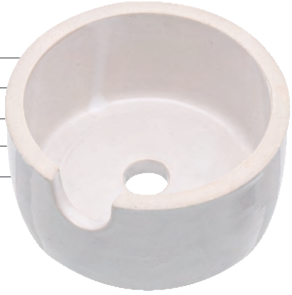
Porcelain, with fixed perforated bottom, glazed inside and outside, except for outside bottom surface and rim.

	Capacity, ml	Diam., mm	Ht., mm
CH10760/1R	15	29	32
CH10760/5R	30	36	45
CH10760/7R	50	40	49
CH10760/9	140	55	83

BEEHIVE SHELF

Porcelain, glazed inside and outside top diameter.

	Diam., mm
CH10175/1	60
CH10175/3	75
CH10175/4	85
CH10175/5	100



CRUCIBLE, SQUAT 1

Porcelain, Squat form with lid, glazed inside and outside, except for outside bottom surface and rim.

	Capacity, ml	Diam., mm	Ht., mm
CH10765/0	5	24	20
CH10765/1R	10	32	20
CH10765/5R	20	41	26
CH10765/7	30	50	31
CH10765/9	50	61	37
CH10765/13R	100	76	46
CH10765/15R	150	84	52
CH10765/19R	250	102	60
CH10765/21R	500	120	87

CRUCIBLE, TALL 2

Porcelain, Tall form with lid, glazed inside and outside ,except for outside bottom surface and rim.

	Capacity, ml	Diam., mm	Ht., mm
CH10768/0	1.3	15	15
CH10768/00	**5**	**24**	20
CH10768/1R	**10**	31	26
CH10768/3R	15	35	29
CH10768/4	25	40	32
CH10768/5R	30	43	37
CH10768/6R	40	50	40
CH10768/7R	50	53	43
CH10768/9R	100	65	54
CH10768/10R	250	88	72

CRUCIBLE, BITUMEN

Porcelain, with perforated bottom, glazed inside and out except for outside bottom surface and rim. Used for similar applications as Gooch crucibles.

	Capacity, ml	Diam., mm	Ht., mm
CH10770	28	44	24

CASSEROLE

Porcelain, With lip and flat porcelain handle, glazed inside and out except for rim and top of handle.

	Capacity, ml	Diam., mm	Ht., mm
CH10774/1	25	40	22
CH10774/2	65	70	33
CH10774/3	140	85	42
CH10774/4	200	100	52
CH10774/5	500	125	75
CH10774/6	760	150	88
CH10774/7	1250	175	98

CRUCIBLE, ALUMINA (HIGH FORM)

99.7% Alumina Crucible, High Form, unglazed. Max. use temp. 1750°C.

	Capacity, ml	Diam., mm	Ht., mm
CH10778/1	5	23	28
CH10778/2	10	29	33
CH10778/3	20	40	35
CH10778/4	50	51	47
CH10778/5	100	60	62
CH10778/6	250	82	93
CH10778/7	500	96	116
CH10778/8	750	110	132
CH10778/9	1000	126	148

CRUCIBLE, ROSE

Porcelain, Rose, unglazed for High Temperature Applications.

	Capacity, ml	Diam., mm	Ht., mm
CH10772	75	50	60

CRUCIBLE, POROUS

Porcelain, Porous bottom crucible, with porous disc permanently formed into walls. Stable porosity and rate of flow. Available with very fine (1.2 micron), fine (5 micron) and medium (15 micron) pore dia. Discs.

	Capacity, ml	Apx. Pore Diam., microns	Ht., mm
CH10776/1	25	1.2	42
CH10776/2	25	5.0	42
CH10776/3	25	15	42

HIGH ALUMINA, CRUCIBLE

Low Form, Made of 99.7% pure aluminum oxide. Highly resistant to alkalis and other fluxes. Highly refractory and inert in hydrogen and carbonaceous atmospheres. Suitable for glass melting, including borosilicate glass.

	Capacity, ml	OD, mm	Ht., mm
CH10778B/1	10	39	25
CH10778B/2	20	50	35
CH10778B/3	25	43	37
CH10778B/4	30	56	40
CH10778B/5	50	61	44
CH10778B/6	80	64	56
CH10778B/7	175	82	50
CH10778B/8	225	87	58

CRUCIBLE, ALUMINA (CYLINDRICAL FORM)

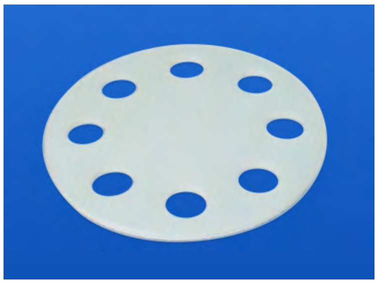
99.7% Alumina Crucible, Cylindrical Form, unglazed.
Max. use temp. 1750°C.

	Capacity, ml	Diam., mm	Ht., mm
CH10780/1	5	17	48
CH10780/2	10	28	29
CH10780/3	15	28	42
CH10780/4	20	31	40
CH10780/5	30	35	47
CH10780/6	50	42	58
CH10780/7	60	54	39
CH10780/8	80	40	92
CH10780/9	100	52	68

CRUCIBLE, SILICA, QUARTZ, SQUAT

Translucent, complete with lid.

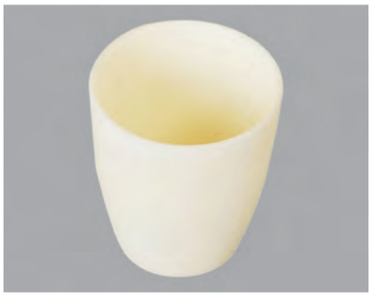
	Capacity, ml	Diam., mm	Ht., mm
CH10784/1	15	25	41
CH10784/2	25	28	47
CH10784/3	50	37	57
CH10784/4	80	67	45
CH10784/5	100	71	50
CH10784/6	150	82	51



DESICCATOR PLATE WITHOUT HOLE AT CENTER

Porcelain, Glazed in one side. Without feet. Highly resistant to chemicals. Autoclavable.

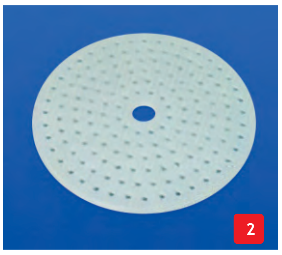
	Diam., mm	No. of Holes	Diam., mm of Holes
CH10913A/1	95	3	30
CH10913A/2	115	3	30
CH10913A/3	230	8	30



CRUCIBLE, ALUMINA (CONICAL FORM)

99.7% Alumina Crucible, Conical Form, unglazed. Max. use temp. 1750°C.

	Capacity, ml	Diam., mm	Ht., mm
CH10782/1	2	18	18
CH10782/2	5	27	35
CH10782/3	20	33	44
CH10782/4	30	48	45
CH10782/5	50	46	53
CH10782/6	100	64	86



DESSICATOR PLATE 1

Porcelain plates, perforated to fit diameters of dessicator.

	Diam., mm	No. of Holes
CH10913/1	95	3
CH10913/3	115	3
CH10913/5	140	6
CH10913/7	165	7
CH10913/9	190	8
CH10913/11	230	10
CH10913/13	290	13

DESICCATOR PLATE WITH NUMEROUS SMALL HOLES & LARGE HOLE AT CENTER 2

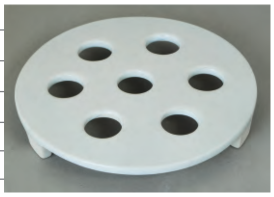
Porcelain, are glazed on one side and perforated with numerous small holes and a large center hole. Without feet. Highly resistant to chemicals. Autoclavable.

	Diam., mm	Center Hole Diam., mm	No. of Holes	Diam.,mm of Holes
CH10913B/1	140	23	54	5
CH10913B/2	180	23	120	5
CH10913B/3	190	23	120	5
CH10913B/4	220	23	160	5
CH10913B/5	230	23	160	5
CH10913B/6	230	23	670	2
CH10913B/7	280	23	162	5
CH10913B/8	290	23	210	5

DESSICATOR PLATE

Porcelain, Dessicator, on three feet,
16 mm High, glazed on top surface.

	Diam., mm	No. of Holes
CH10914/1	95	3
CH10914/2	115	3
CH10914/3	142	5
CH10914/4	146	7
CH10914/5	190	7
CH10914/6	230	8



FUNNEL, HIRSCH

Porcelain, Hirsch, with fixed perforated plate. Glaze except for rim.

	Capacity, ml	Diam., mm	Ht., mm
CH11109/1	10	30	50
CH11109/2	12	40	70
CH11109/3	25	50	75
CH11109/4	50	75	130
CH11109/5	140	100	175

MORTAR & PESTLE

Porcelain, Mortar with spout, glazed outside except bottom, unglazed inside. Pestle unglazed to grinding surface.

	Capacity, ml	Inside Diam., mm
CH11605/1	60	60
CH11605/2	100	75
CH11605/3	150	85
CH11605/4	275	100
CH11605/5	550	125
CH11605/6	900	150
CH11605/7	1500	175
CH11605/8	2000	200
CH11605/9	4200	250
CH11605/10	7000	300
CH11605/11		350
CH11605/12		400

FUNNEL, BUCHNER

Porcelain, straight sides, integral perforated plate, glazed inside and outside.

	Diam., mm
CH11108/1	35
CH11108/2	50
CH11108/4	60
CH11108/5	75
CH11108/6	100
CH11108/7	125
CH11108/8	150
CH11108/9	200
CH11108/10	300
CH11108/11	400

FUNNEL TABLE

Porcelain, Buchner, table type, one piece, with side outlet for vacuum filtration. Glazed inside and out except for rim.

	Capacity, Ltr.	Diam., mm	Ht., mm
CH11111/1	1	145	107
CH11111/2	2	220	120

PESTLE (FOR CH11605)

	Length, mm		Length, mm
CH11615/1	25	**CH11615/6**	100
CH11615/2	40	**CH11615/7**	115
CH11615/3	50	**CH11615/8**	125
CH11615/4	65	**CH11615/9**	150
CH11615/5	75		

MORTAR & PESTLE SET (SIZES AS PER ASTM)

Porcelain, Mortars features a lip and a glazed outside. Pestles are full glazed except the flat top surface & are over-sized for hand comfort when grinding.

	Top OD, mm	Ht., mm	Mortar Size, ml	Pestle Length, mm
CH11606/1	70	47	50	98
CH11606/2	80	52	65	98
CH11606/3	90	69	145	98
CH11606/4	115	70	275	114
CH11606/5	130	81	400	130
CH11606/6	163	110	750	180
CH11606/7	186	115	1100	194
CH11606/8	210	130	1900	222
CH11606/9	256	140	2750	262
CH11606/10	283	283	4000	280

PESTLE (SIZES AS PER ASTM)

Porcelain, Pestles are full glazed except the flat top surface & Pestles are over-sized for hand comfort when grinding.

	Pestle Length, mm	Head OD, mm	For Mortar
CH11606A/1	98	27	CH11606/1,2,3
CH11606A/2	114	30	CH11606/4
CH11606A/3	130	36	CH11606/5
CH11606A/4	180	50	CH11606/6
CH11606A/5	194	56	CH11606/7
CH11606A/6	222	57	CH11606/8
CH11606A/7	262	62	CH11606/9
CH11606A/8	280	68	CH11606/10

MORTAR & PESTLE SET (SIZES AS PER DIN)

Porcelain, Mortars features a lip and a glazed Inside and outside. Pestles are dull glazed except the flat top surface & are over-sized for hand comfort when grinding.

	Top ID, mm	Ht., mm	Mortar Size, ml	Pestle Length, mm
CH11607/1	65	40	70	115
CH11607/2	90	55	170	115
CH11607/3	130	65	400	135
CH11607/4	150	70	700	150
CH11607/5	180	80	1000	175
CH11607/6	240	100	2600	210
CH11607/7	330	140	6000	210

PESTLE (SIZES AS PER DIN)

Porcelain, Pestles are full glazed except the flat top surface & are over-sized for hand comfort when grinding.

	Pestle Length, mm	Head OD, mm	For Mortar
CH11607A/1	115	24	**CH11607/1,2**
CH11607A/2	135	30	**CH11607/3**
CH11607A/3	150	36	**CH11607/4**
CH11607A/4	175	42	**CH11607/5**
CH11607A/5	210	55	**CH11607/6,7**

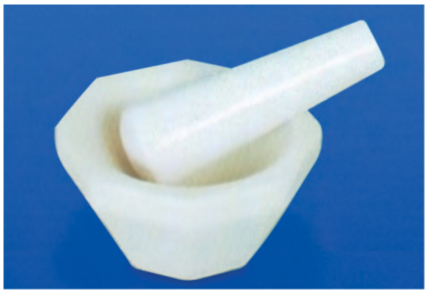
MORTAR & PESTLE, AGATE

Made of naturally occurring Agate Stone, which essentially is an Amorphous form of Silica. Aesthetically it is pleasing to the eye and due to its inherent physical characteristics it is very hard. The hardness on the Moh's scale is 6.5. Agate Mortars & Pestles are recommended for use in laboratories demanding contamination-free results.

MORTAR & PESTLE, AGATE

Made of Naturally occurring Agate Stone, recommended for use in laboratories demanding contamination-free results.

	OD., mm	ID, mm	H.t., mm
CH11610/2	28	23	20
CH11610/3	40	31	27
CH11610/4	50	40	30
CH11610/5	60	57	33
CH11610/6	78	65	39
CH11610/7	100	87	44
CH11610/8	115	100	51
CH11610/9	125	111	61
CH11610/10	150	134	63



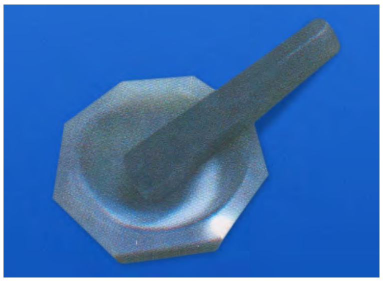
HIGH ALUMINA, MORTAR WITH PESTLE (SIZES AS PER ASTM)

Made of 99.7% -pure aluminum oxide. Hardness greater than agate. Impervious to liquids under vacuum. Highly resistant to corrosion by chemicals. Hardness 83 on Rockwell 45N scale. Gives minimum sample contamination.

	Top OD, mm	Top ID, mm	Ht., mm	Mortar Size, ml	Pestle Length, mm
CH11616/1	35	26	18	1.5	38
CH11616/3	50	38	26	7	57
CH11616/5	65	54	31	15	65
CH11616/7	75	60	37	30	74
CH11616/9	100	86	47	80	100

HIGH ALUMINA (99.7% Al_2O_3)

High Alumina wares is made of 99.7% pure aluminum oxide. Highly resistant to chemical attack, this alumina-ceramic ware is especially useful to chemists, metallurgists and other involved in high temperature work demanding contamination-free results. Recommended for use with refractory metals such as molybdenum, Platinum, Rhodium, Tungsten, Tantalum and iridium. High-Alumina Labware temperature change rate should not exceed 150°C/hour.



MORTAR & PESTLE, AGATE

Deep Form, Made of Superior naturally occurred Agate with surface hardness of 6.5 at Moh's scale and polished to make suitable for laboratory applications.

	Mortar Top OD, mm	Top ID, mm	Ht., mm	Pestle Length, mm
CH11610B/1	60	50	36	64
CH11610B/2	70	55	42	76
CH11610B/3	80	65	53	89
CH11610B/4	90	70	56	100
CH11610B/5	100	80	61	100
CH11610B/6	110	90	65	114
CH11610B/7	120	100	68	125
CH11610B/8	130	110	72	150

HIGH ALUMINA, MORTAR WITH PESTLE (SIZES AS PER DIN)

Made of 99.7% -pure aluminum oxide. Hardness greater than agate. Impervious to liquids under vacuum. Highly resistant to corrosion by chemicals. Hardness 83 on Rockwell 45N scale. Gives minimum sample contamination.

	Mortar Top OD, mm	Top ID, mm	Ht., mm	Pestle, mm
CH11617/1	50	44	25	57
CH11617/3	75	68	40	74
CH11617/5	100	92	58	100
CH11617/7	125	113	70	125
CH11617/9	150	140	81	150

HIGH ALUMINA, PESTLE

Made of 99.7% pure-aluminum oxide. Hardness greater than agate. Impervious to liquids under vacuum. Highly resistant to corrosion by chemicals. Hardness 83 on Rockwell 45N scale. Gives minimum sample contamination

	Pestle Length, mm	For Mortar
CH11618/1	(American Design), ASTM 38	CH11616/1
CH11618/2	(American Design), ASTM 57	CH11616/3,CH11617/1
CH11618/3	(American Design), ASTM 65	CH11616/5
CH11618/4	(American Design), ASTM 74	CH11616/7,CH11617/3
CH11618/5	(American Design), ASTM 100	CH11616/9,CH11617/5
CH11618/6	(American Design), ASTM 125	CH11617/7
CH11618/7	(American Design), ASTM 150	CH11617/9

SPATULA (PORCELAIN)

Glazed, long spatula on one end, knob on other. Length 205 mm.
CH12213

TILE, SPOTTING

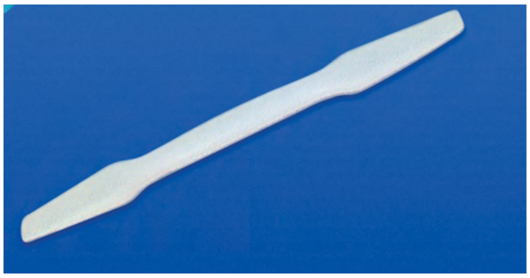
Porcelain, one side glazed.

CH12955/1	With 6 cavities
CH12955/2	With 12 cavities
CH12955/3	With 3 cavities
CH12955/4	With 30 cavities

SPATULA WITH SPOON (PORCELAIN)

Glazed, spoon on one end, spatula on other.

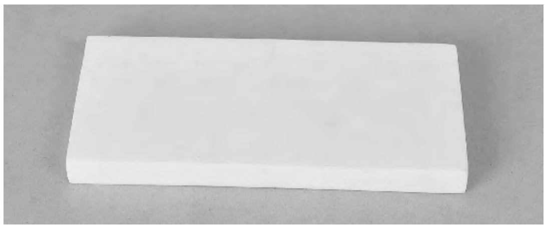
	Capacity, ml	Length, mm
CH12212/1	0.1	100
CH12212/2	0.3	125
CH12212/3	0.5	165
CH12212/4	1.2	198
CH12212/5	5.5	260



SPATULA DOUBLE

Porcelain, Glazed with long spatula on both ends.

	Length, mm
CH12214/1	105
CH12214/2	130
CH12214/3	145
CH12214/4	160
CH12214/5	185
CH12214/6	200



STREAK PLATE

Streak, unglazed, as used for arsenic test and by mineralogists.

	Length, mm	Width, mm	Thickness, mm
CH12957	65	50	3

HIGH ALUMINA, DISH, CIRCULAR

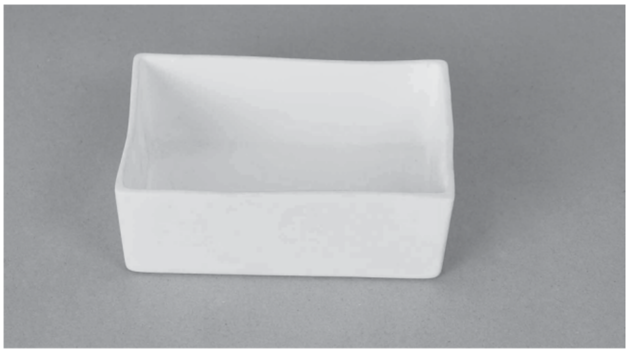
Made of 99.7% pure aluminum oxide. Highly resistant to alkalis and other fluxes. Highly refractory and inert in hydrogen and carbonaceous atmospheres.

	Capacity, ml	OD, mm	Ht., mm
CH12958A/1	10	40	10
CH12958A/2	20	50	12
CH12958A/3	40	60	20
CH12958A/4	100	75	32
CH12958A/5	250	101	43
CH12958A/6	450	111	62
CH12958A/7	750	65	40

HIGH ALUMINA, DISC, CIRCULAR

Made of 99.7% pure aluminum oxide. Highly resistant to alkalis and other fluxes. Highly refractory and inert in hydrogen and carbonaceous atmospheres.

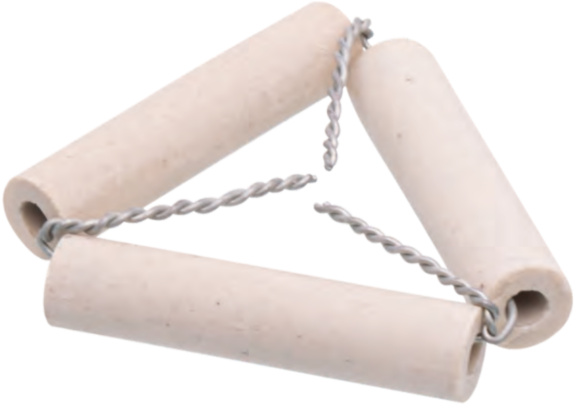
	OD x Thickness, mm		OD x Thickness, mm
CH12958B/1	10 x 4	**CH12958B/2**	15 x 4
CH12958B/3	20 x 4	**CH12958B/4**	25 x 4
CH12958B/5	28 x 4	**CH12958B/6**	32 x 4
CH12958B/7	38 x 4	**CH12958B/8**	48 x 4
CH12958B/9	58 x 4	**CH12958B/10**	75 x 4
CH12958B/11	90 x 4	**CH12958B/12**	100 x 4
CH12958B/13	115 x 4	**CH12958B/14**	125 x 4
CH12958B/15	150 x 4		



RECTANGULAR TRAY

99.7% Alumina Tray, Rectangular, unglazed. Max. use temp. 1750°C

	Capacity, ml	Ht., mm	Width, mm
CH12959/1	5	10	26
CH12959/2	10	19	25
CH12959/3	15	12	33
CH12959/4	25	20	25
CH12959/5	30	22	50
CH12959/6	100	32	50

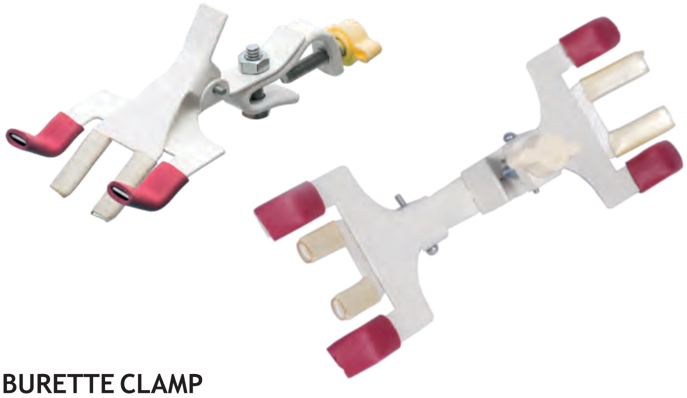


PIPE CLAY TRIANGLE

Pipeclay stems on iron wire.

	Length, mm
CH13050/2	50
CH13050/4	65
CH13050/6	75

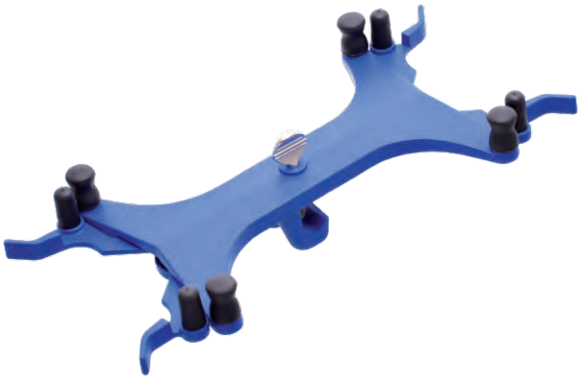
METALWARE



BURETTE CLAMP

Holds burette in vertical position, die pressed burette clamp of plated steel, jaws having V grooves, with boss to accommodate rods upto 16 mm diam.

CH10540/1	For One Burette
CH10540/2	For Two Burettes



BURETTE CLAMP, METAL, DIE CAST

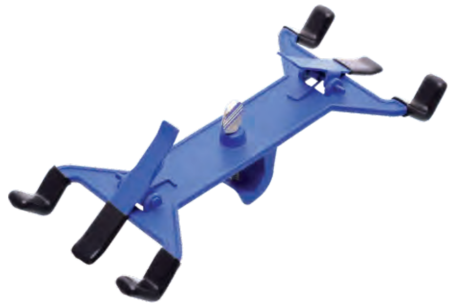
Complete body of die cast metal making it light weight, durable and sturdy. Provided with a spring loaded positive grip and release. The special design provides vice like grip to the burette for a positive clamping. Boss head clamp secures a firmly at desired position on the rod of about 13 mm diameter.

CH10546/1	For One Burette
CH10546/2	For Two Burettes

SPATULA, CHATTAWAY

Stainless steel, one end flat, other bent up.

	Size, mm
CH12220/1	100
CH12220/3	150
CH12220/5	200



BURETTE CLAMP, SHEET METAL

For holding burettes vertically in a retort stand, sheet metal, die pressed with built-in boss head and spring loaded jaws covered with rubber sleeve.

CH10543/1	For One Burette
CH10543/2	For Two Burettes

STAINLESS-STEEL SPATULA

9" length with round blade at one end & a square on other end.

Ch12218

MICRO-SPATULA 20CM LONG

Stainless-steel with thin, flexible rounded ends.

Ch12221

SPATULA

Stainless steel, angle end, rounded, length 100 mm.

CH12223

SPATULA

Stainless steel, raised centre section, one end flat and bent up, other end formed into a scoop, stainless steel, length 140 mm.

CH12225

SPATULA, TROWEL

Double ended, trowel shaped scoops 175 x 15 mm.

CH12227

SPOON AND SPATULA TOOL, 9 IN. (22.9CM) LONG

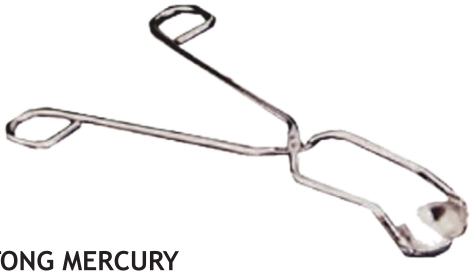
Spoon and Spatula Tool 9", Stainless steel, Polished.

CH12228

SPATULA

Stainless steel, one end flat and the other end spoon form.

	Length, mm
CH12230/1	120
CH12230/3	150



TONG MERCURY

Nickel-plated steel, for lifting globules of mercury. Length 20 cms.

CH12240

SODIUM SPOON

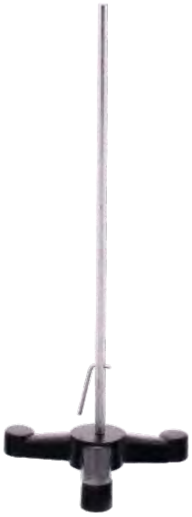
For holding sodium under water, with gauze cage, overall length 255 mm.

CH12235

TRIPOD BASE SUPPORT STAND

Bases constructed of cast-iron and finished with chemical-resistant baked black enamel with plated rod. Available in various lengths and rod diameters

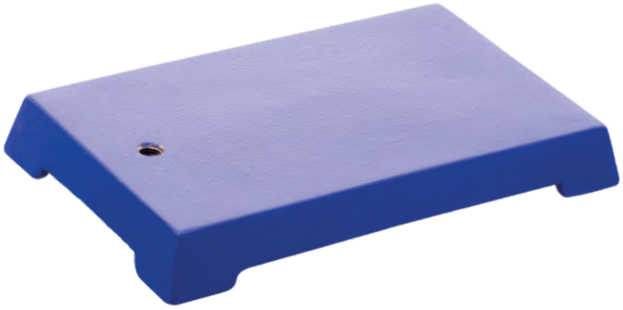
	Length, Inch	Dia., Inch
CH12255/1	18	0.3
CH12255/2	24	0.5
CH12255/3	36	0.5



RETORT STAND

Mild steel base, stove enamelled, fitted with one levelling screw and nylon feet, with chrome plated mild steel rod.

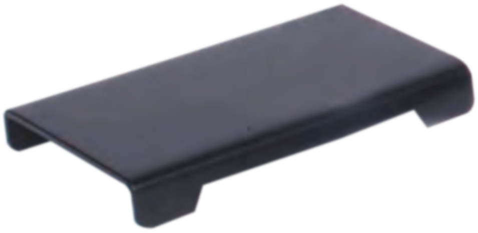
	Base, mm	Length, mm	Diam., mm
CH12310/2	150 x 100	500	9
CH12310/3	175 x 125	600	9
CH12310/4	200 x 125	600	12
CH12310/5	225 x 150	750	12
CH12310/6	300 x 175	750	12



RETORT STAND, RECTANGULAR BASE

Cast Iron, with tapped hole 10 x 1.5mm, metric thread in the center of one short side.

	Length, cm	Width, cm
CH12320/1	16	10
CH12320/3	20	12.5
CH12320/5	25	15



RETORT STAND, RECTANGULAR BASE

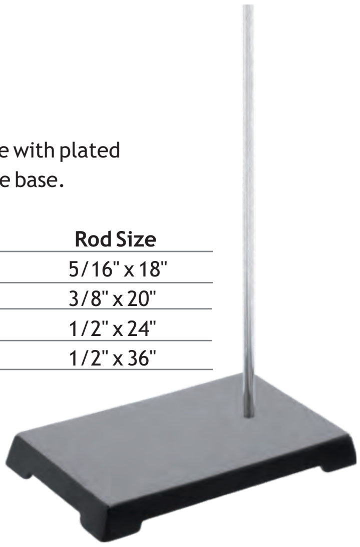
Pressed steel base with hole 10x1.5mm, metric thread in the center of one short side.

	Length, cm	Width, cm
CH12315/1	16	10
CH12315/3	20	12.5
CH12315/5	25	16
CH12315/7	31.5	20

RETORT STAND

Heavy black enamel cast iron base with plated rods, which are threaded to fit the base.

	Base Size	Rod Size
CH12321/1	4" x 6-3/4"	5/16" x 18"
CH12321/2	5" x 8"	3/8" x 20"
CH12321/3	5-1/2" x 9"	1/2" x 24"
CH12321/4	6-1/2” x 11”	1/2" x 36"



RETORT STAND, BASE

Steel base with tapped hole, (10 x 1.5 mm metric thread) in the center of one short side. Finished in blue and fitted with rubber feet.

	Size, mm
CH12322/1	160 x 100
CH12322/3	200 x 125
CH12322/5	250 x 160
CH12322/7	315 x 200

Best Seller

CLAMP

Pressed metal, cork lined jaws, can open upto 50 mm.

CH12325/1	Black Painted

Best Seller

UNIVERSAL CLAMP

Pressure die cast aluminium alloy, other parts are of plated brass, cork lined, ensures firm grip at all angles of opening, opens upto 90 mm, with 250 x 8 mm nickel plated mild steel rod.

CH12340

CLAMP, 3 PRONG

Die cast aluminium, with plated brass inserts, accepts articles upto 70 mm diam, rubber covered jaws.

CH12345

3 PRONG CLAMP, UNIVERSAL

Die cast aluminum alloy, clamp accepts articles up to 90 mm diameter Jaws covered with PVC, Fitted with 150 x 8 mm rod.

CH12347

Best Seller

CLAMP UNIVERSAL-2 PRONG CORK LINED

Two prong clamps die casted with other parts of plated brass, accepts articles from 15-75 mm dia. Actuated by nickel plated brass insert and twin screw, Jaws are cork lined. Fitted with 150 x 8 mm long nickel plated mild steel rod.

CH12326

3 PRONG CLAMP, ADJUSTABLE

Zinc alloy die cast jaws, each Jaw individually adjustable. Double adjustable - one screw moves one jaw and the other screw moves the other two jaws. Maximum jaw opening 60 mm.

CH12343/1

3 PRONG CLAMP

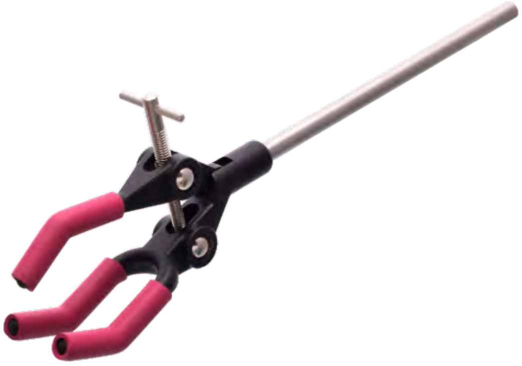
Made of aluminum casting, 3 prong clamp with interlocking jaws allow you to hold objects from 1/8" to 3-1/2" in diameter. It can be used for both burettes and condensers. The jaws are lined with rubber to insure a secure grip. Rod attached is 8 mm in diameter and 150 mm long.

CH12346

CLAMP UNIVERSAL-3 PRONG CORK LINED

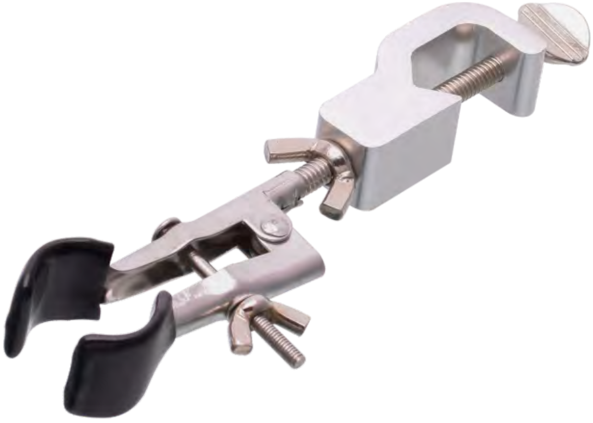
Cork lined Jaws which accepts articles up to 80 mm Diameter. Fitted with 150 x 8 mm long nickel plated mild steel rod. Overall length 27 cm Approx.

CH12347M



EXTENSION CLAMP

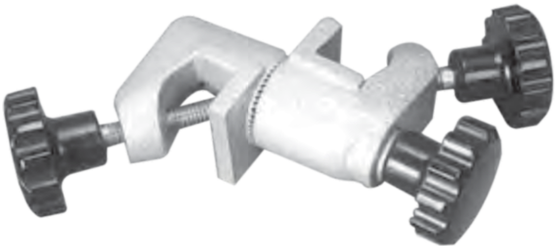
Three-prong, aluminum extension clamp; prongs covered with rubber tubing. Overall length: 10". Jaws open to 85 mm.
Rod Dia. 8 mm, Rod length 145 mm.
CH12347N



BURETTE CLAMP

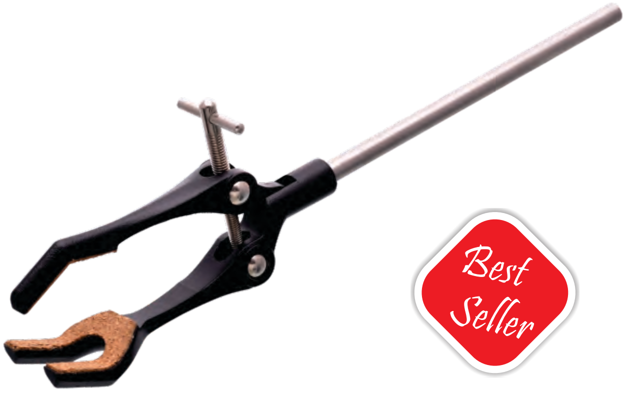
Rounded steel jaws, for use with retort stands. Jaws opening from 10 to 35 mm diameter. Jaws can be rotated through 360° and locked in any position. fits support rods up to 15 mm diameter.

CH12349/1	
CH12349/3	with plastic coated jaws



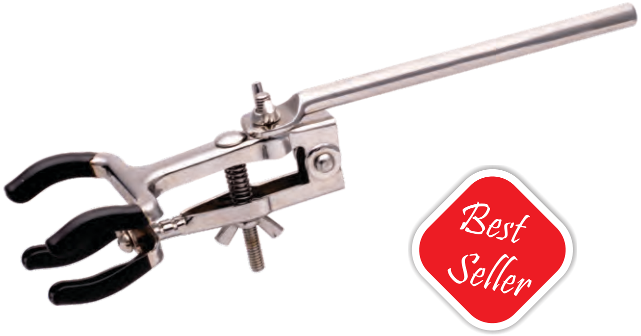
BOSS, SWIVEL

Aluminium alloy holds rods up to 12 mm, swivels and locks at any angle.
CH12354



EXTENSION BURETTE CLAMP, ECONOMY CHOICE

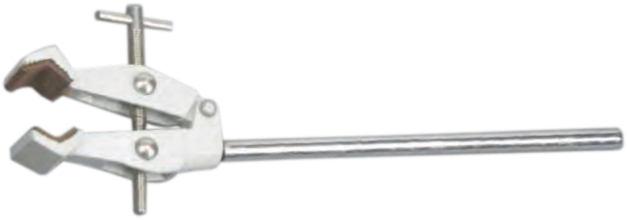
Extension clamp with round, cork- coated jaws. Will hold burettes, test tubes and flasks up to 2½” in diameter. Overall length is 8”.
CH12348



CLAMP, EXTENSION UNIVERSAL

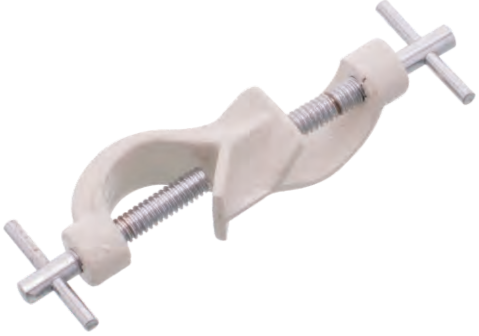
A steel clamp with a locking swivel. The swivel permits orientation at a wide variety of angles. Outer jaws open freely to accommodate apparatus like condenser and other irregular shapes. Jaws are covered with a plastic material to cushion apparatus held in the jaws.

CH12352/1	Jaw Opening Size 2"
CH12352/3	Jaw Opening Size 3"



BURETTE CLAMP

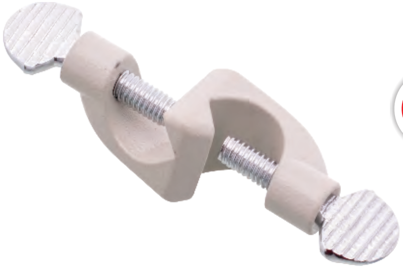
Aluminium, with steel rod, cork lined jaws, for holding burettes and other objects of diam. upto 60 mm.
CH12356



BOSS

Zinc Alloy, with nickel plated clamping screws, can accommodate rods up to 12 mm.

CH12357

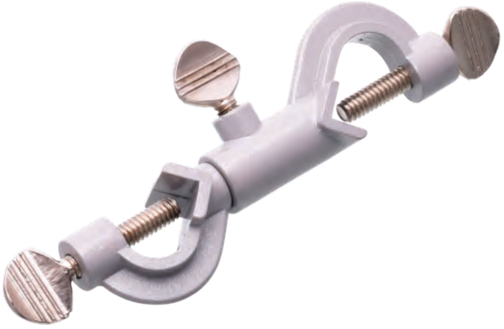


Best Seller

BOSS

Pressure die cast aluminium alloy. With offset jaws, nickel plated clamping screws, to hold rods up to 16 mm. with stands heavy clamping pressure.

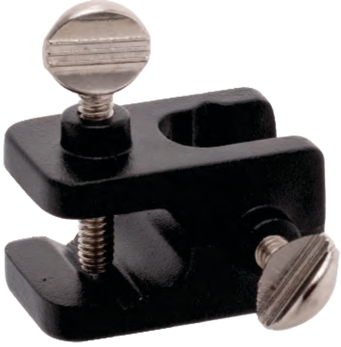
CH12359



BOSS HEAD, SWIVEL

With an adjustable holder swivel at the centre to fix boss head at any angle. Can hold rods up to 16 mm diameter.

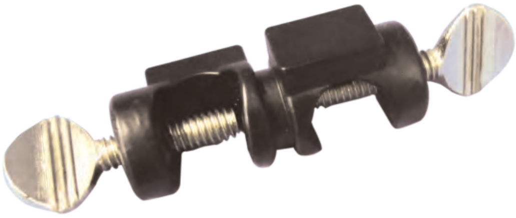
CH12362



SQUARE BOSS HEAD

Die Casted Alloy, accepts article square and round section upto 16 mm diameter at right angle to each other. Can also hold flat articles such as drawing board, magnets, rulers etc.

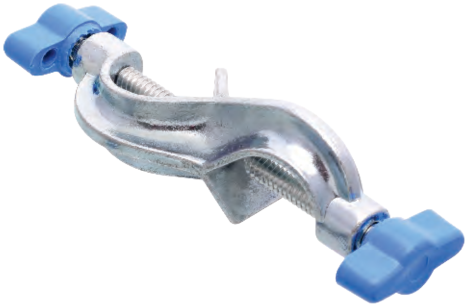
CH12363S



BOSS HEAD ROUND

Aluminium die casted Alloy, Black powder coated, Accept rods upto 13 mm diameter, fitted with mild steel plated thumb screw.

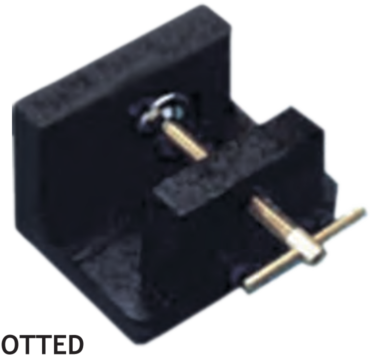
CH12358



CLAMP HOLDER (BOSS HEAD)

Aluminum alloy with plastic clamping screws, holds rods up to 5/8" in diameter. With offset jaws for greater strength.

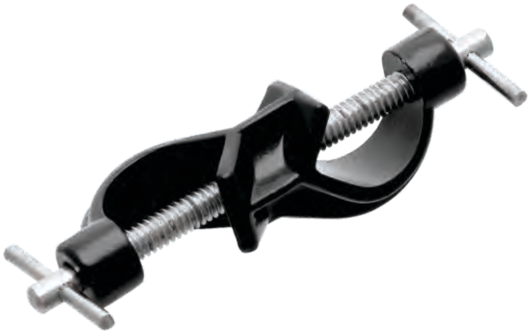
CH12360



BASE SLOTTED

Cast metal, For holding flat objects like manometer, board etc. upto 34 mm. thick in the vertical position. Size 9.5 cm length and 7.5 cm width.

CH12363



RIGHT-ANGLE CLAMP HOLDER

Cast iron holder with steel thumbscrews. For rods up to 5/8" (22 mm) diameter.

CH12364

CHANNEL BASE

Cast metal, For holding flat objects upto 13 mm thick. Size 10.5 cm length and 8.5 cm width.

CH12367

SUPPORT RING WITH CUT-OUT

Cast Iron with 3”diameter & plated for corrosion resistance. The support ring features a cut-out area to permit easy insertion of leveling bulbs & assembled materials.

CH12369

RINGS WITH CLAMPS

Cast iron with side arm & V clamp to fit rods upto 13 mm. The distance from support clamp centre to centre of ring is 4½” for all rings. Fits ¾” rods.

	ID, Inch
CH12371/1	2
CH12371/2	3
CH12371/3	3½
CH12371/4	4½
CH12371/5	5½

RETORT STAND RING

Iron, with integral boss to accept rods upto 12 mm diam. Boss is fitted with a plated thumb screw.

	Diam., mm
CH12374/2	50
CH12374/4	75
CH12374/6	100

HOOK COLLAR CLAMPS

CH12376/1	0.5"
CH12376/2	0.75"

EXTENSION SUPPORT RINGS

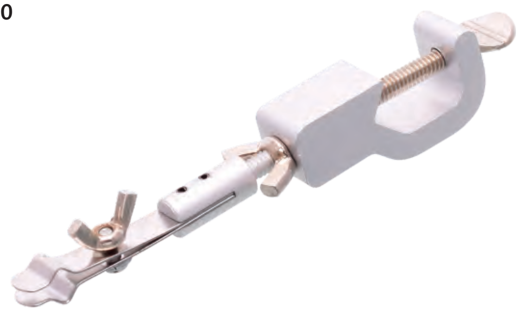
Strong, heat-resistant cast steel.

	ID, Inch
CH12368/1	2
CH12368/2	3
CH12368/3	4
CH12368/4	5

SUSPENSION CLAMP

For suspending specimens over a hotplate. Clamp holds items at a distance of 4 ½” from the support rod. Aluminum hook swivels and locks at any angle.

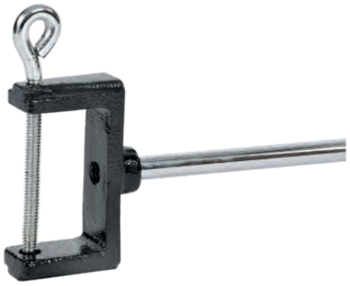
CH12370



THERMOMETER CLAMP

A lightweight clamp for supporting thermometers and similar apparatus up to 13 mm in diameter. The clamp holds rods up to 16 mm in diameter. Adjustable 360° jaw which can be easily tightened into any position with a wing nut. Overall length is 140 mm.

CH12373



CLAMP & SUPPORT ROD

Holds rods vertically or horizontally. Cast iron, black enamel finish. With rod approx. 510 x 10 mm. Can clamp on table up to 50 mm thickness.

CH12375

V-GROOVE CLAMP

For securely holding rods up to 3/4" diameter either horizontally or vertically in a machined V groove. It clamps to table tops up to 3" thick.
CH12377

STAND BURNER HIGH-LOW

	Size, mm
CH12382/1	90
CH12382/3	130

RING STAND WITH RINGS

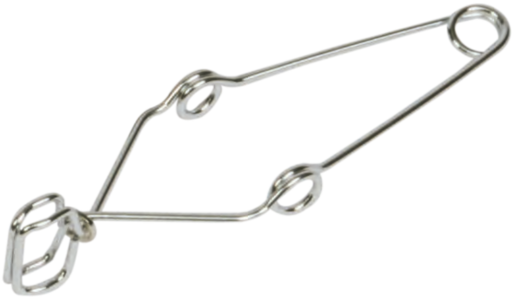
- Cast iron, rectangular base.
- Nickel-plated steel rod.
- Cast iron rings with nickel-plated steel thumb screws.

	Ring per set	Ring Dia., mm	Base Size, mm
CH12380/1	2	75, 100	100 x 150
CH12380/3	3	75, 100, 125	125 x 200
CH12380/5	4	75, 100, 125, 150	150 x 250
CH12380/7	5	50, 75, 100, 125, 150	150 x 300

LABORATORY JACK

These highly stable laboratory jacks can hold a variety of glassware and other lab equipments with ease. These durable laboratory jacks are equipped with an ergonomic knob that provide smooth height adjustment. Available in mild steel, aluminium, stainless steel.

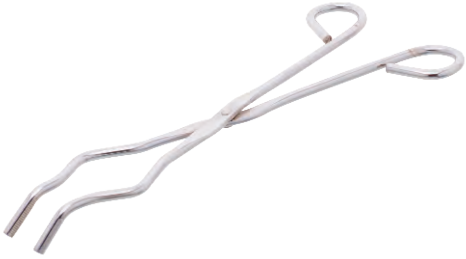
Mild Steel	Stainless Steel	Aluminium	Size	Max. Height	Dynamic Load (kg)	Static Load (kg)
CH12385B/1	CH12385C/1	CH12385D/1	4.5" x 6"	11" (28cm)	2	10
CH12385B/2	CH12385C/2	CH12385D/2	6" x 6"	11" (28cm)	4	20
CH12385B/3	CH12385C/3	CH12385D/3	8" x 8"	11" (28cm)	7	30



TEST TUBE HOLDER

Plated spring steel wire with finger grip, with a wire collar to hold test tubes up to 38 mm.

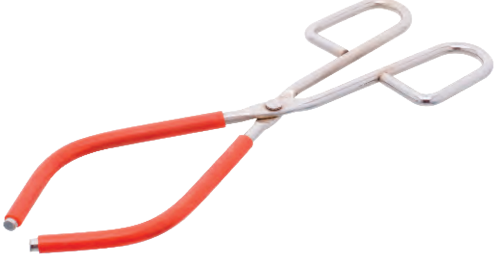
CH12695



CRUCIBLE TONGS

General purpose metal tongs, for handling hot apparatus. Tips are serrated. Length: approximately 9".

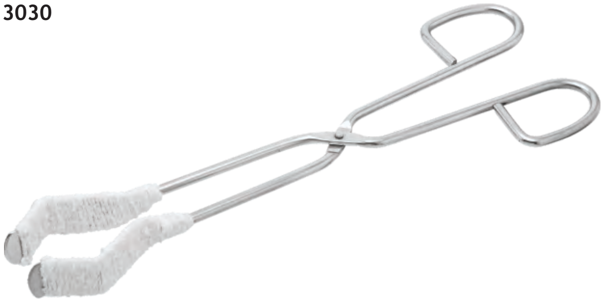
CH13010/1	Steel
CH13010/3	Stainless Steel



BEAKER TONGS

Made of nickel plated steel, with plastic-coated jaws that open to 4 1/2". Holds 50 to 2000 ml beakers. Length 9 ½".

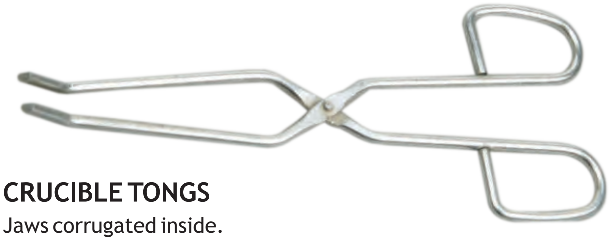
CH13030



FLASK TONGS

Stainless steel, cork lined, rectangular jaws.

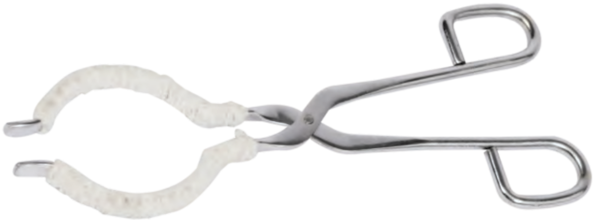
	Length, mm
CH13038/4	300



CRUCIBLE TONGS

Jaws corrugated inside.

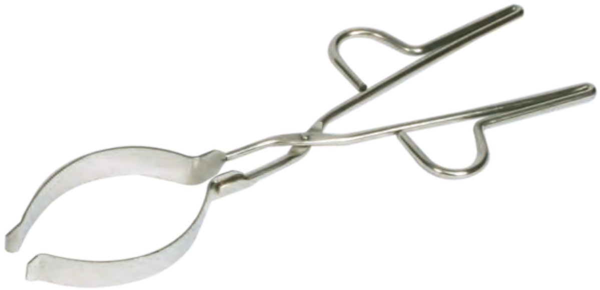
	With Bow Type	**Length, mm**
CH13005/8	Stainless steel	150
CH13005/9	Stainless steel	200



BEAKER TONGS

Stainless steel, jaws covered with asbestos, can firmly hold any beaker from 250 ml to 1000 ml.

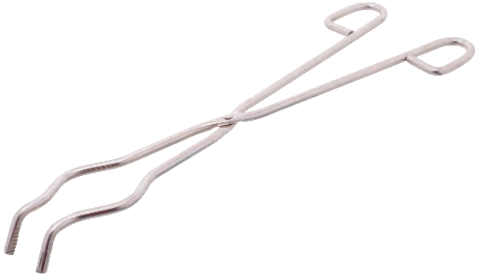
	Length, mm
CH13025/1	250
CH13025/3	300



BEAKER TONGS, HEAVY DUTY

For hot beakers from 100 to 1500 ml capacity. Stainless steel with riveted joint and fiberglass-covered jaws. Length: 12 ½".

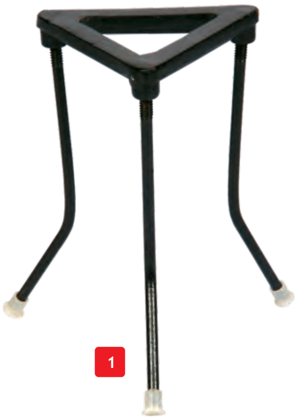
CH13035

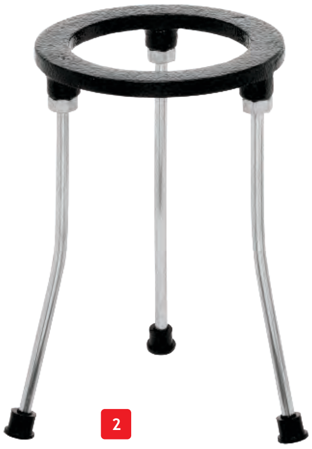


MUFFLE FURNACE CRUCIBLE TONGS

Nickel-plated steel. Long and rigid for furnace use. With large handles and serrated tips. Total length: 18 ½".

CH13040





TRIPOD STAND 1

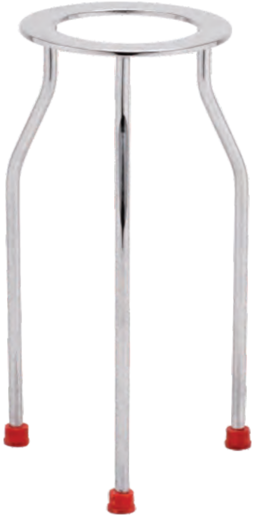
Triangular top of cast iron, with steel legs bent outwards for stability, painted.

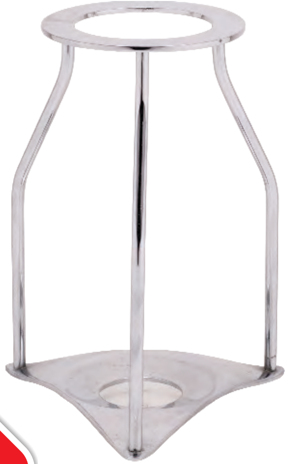
	Length of one side, mm	Ht., mm
CH13055/2	100	150
CH13055/4	125	200

TRIPOD STAND, CIRCULAR 2

Cast iron top, steel legs bent outward.

	Diam., mm	Ht., mm
CH13060/1	100	150
CH13060/3	125	200

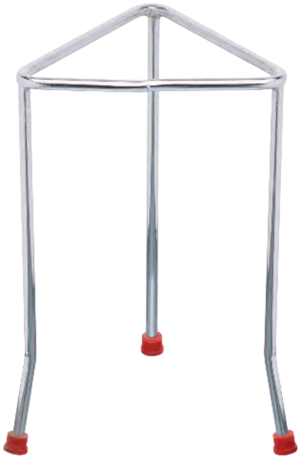




TRIPOD STAND, CIRCULAR

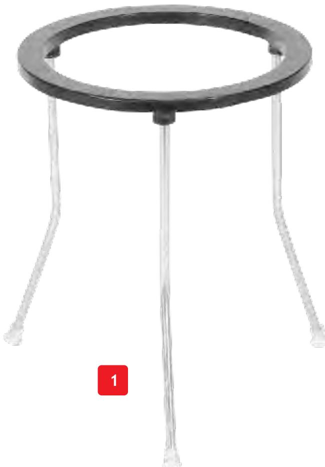
Consists of a circular top attached to steel legs. The lower half of the legs are bent for maximum stability.

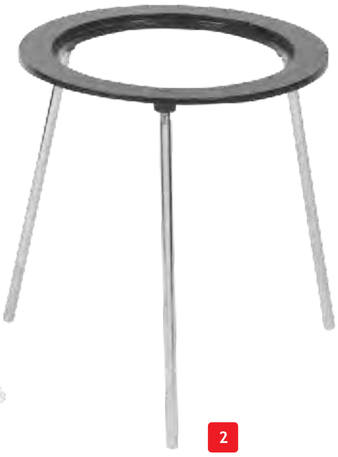
CH13062/1	210 mm
CH13062/3	190 mm, with triangular attachment at base



TRIPOD STAND, STEEL

Triangular top, all steel welded, legs bent outward for stability. Length of one side 130 mm, height 200 mm.
CH13058





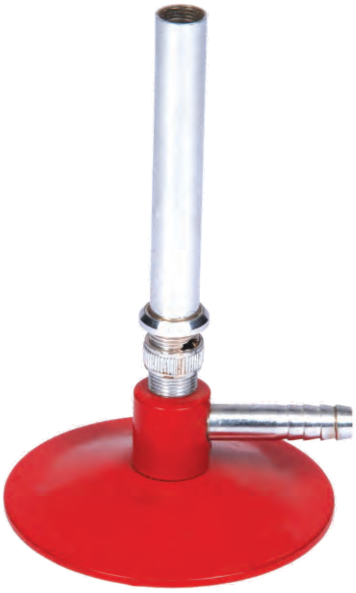
BURNER TRIPOD 1

A good-quality tripod for supporting small objects over a burner. Legs are detachable for ease of storage. Made of black enameled cast iron. Size 9" Height, 3-1/2" O.D.
CH13060/2A

TRIPOD 2

Iron ring supported on three legs eliminates rocking. Size 127 x 230 mm.
CH13061/1

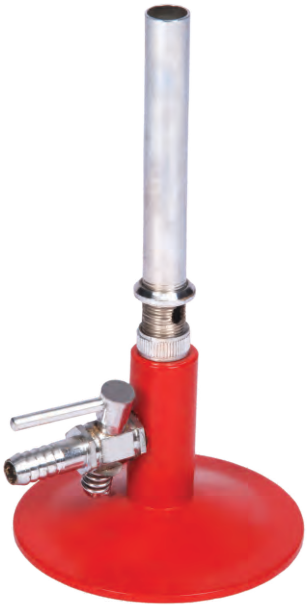
BURNERS



BUNSEN BURNER

Nickel plated burner tube 100 x 12 mm, with adjustable screwed air regulator, riffled connector, mounted on a stove enamelled, pressed steel wide base of 80 mm diam. Overall height 125 mm. With one spare jet.

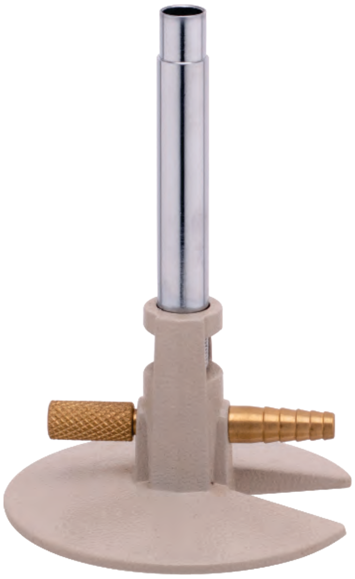
CH10600/1	LP (Bottled) Gas
CH10600/3	Natural Gas
CH10600/5	Artificial (Coal) Gas



BUNSEN BURNER, WITH STOPCOCK

As CH10600 but fitted with a stopcock in the inlet tube to control flow of gas.

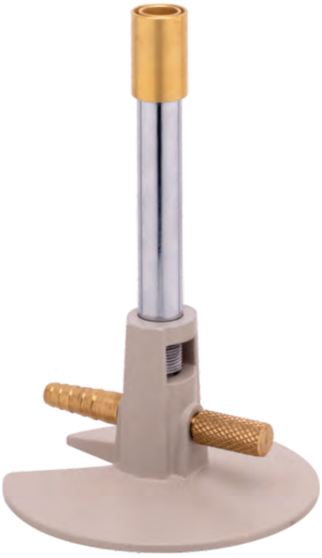
CH10604/1	LP (Bottled) Gas
CH10604/3	Natural Gas
CH10604/5	Artificial (Coal) Gas



BURNER, NATURAL GAS

Efficient and durable burner. Gas flow is controlled by a needle valve , permitting easy flame adjustment and minimizing possibility of tipping. Air flow is adjusted by a heavy gauge mixing tube threaded into a heavy die- cast zinc alloy base.

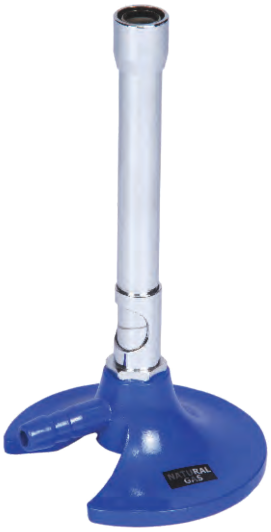
CH10606



BURNER WITH FLAME STABILIZER

These burners control gas flow by a needle valve for easy flame adjustment. The stabilizer top allows gas to emerge at a low velocity in an annular ring acting as a pilot for the principal flame and steadying it.

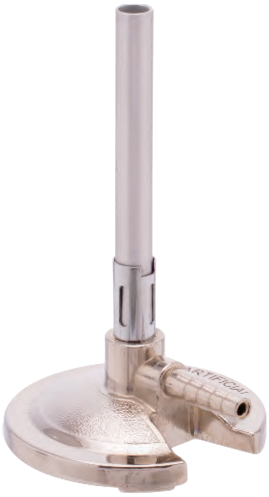
CH10608/1	LP (Bottled) Gas
CH10608/3	Natural Gas



BUNSEN BURNER

Nickel plated burner tube 115 x 13 mm, with rotatable air regulator, riffled connector, mounted on a stove enamelled, heavy die cast base of 80 mm diam, overall height approx. 140 mm.

CH10610/1	LP (Bottled) Gas
CH10610/3	Natural Gas



BUNSEN BURNER

With one piece Die-cast base and riffled Nozzle, Air Regulator.

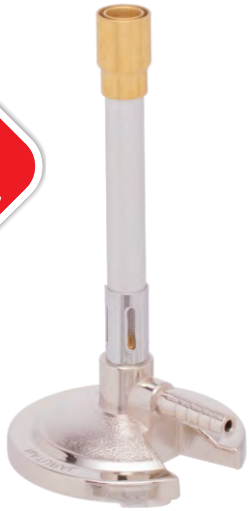
CH10613/1	LP (Bottled) Gas
CH10613/3	Artificial (Coal) Gas
CH10613/5	LP (Bottled) Gas

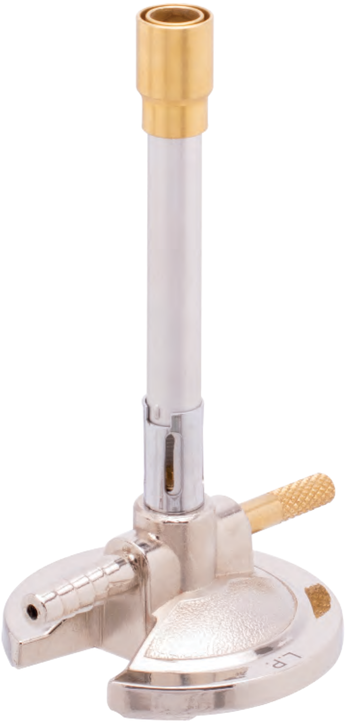
Best Seller

BUNSEN BURNER

As CH10613, with Flame retainer for use with Natural Gas.

CH10615

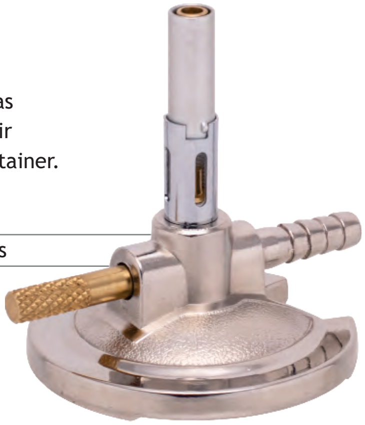




BUNSEN BURNER, MICRO

Miniature, 9 cm high with fine gas control needle and adjustable air regulator, with built-in flame retainer.

CH10623/1	Natural Gas
CH10623/3	LP (Bottled) Gas



BUNSEN BURNER, ADJUSTABLE

With one piece die-cast heavy base and riffled nozzle and adjustable gas and air inlets. A brass threaded needle valve and a rubber O ring for gas regulation, and air vents for air regulation. With flame retainer at top, for natural gas.

CH10620/1	Natural Gas
CH10620/3	LP (Bottled) Gas

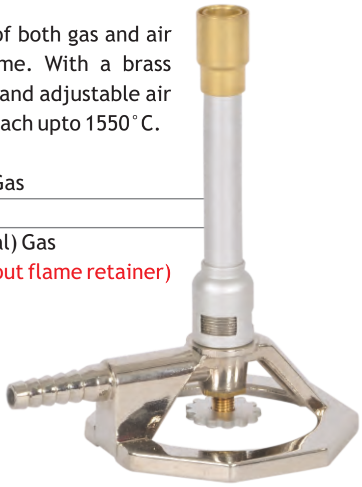
BURNER TIRRILL

Tirrill burner allows adjustment of both gas and air supply resulting in a hotter flame. With a brass needle valve to adjust gas supply and adjustable air ports to regulate air supply. Can reach upto 1550°C.

CH10624/1	LP (Bottled) Gas
CH10624/3	Natural Gas
CH10624/5	Artificial (Coal) Gas

Artificial (Coal) gas burner is without flame retainer)

Best Seller



MEKER BURNER

Superior quality, one piece die-cast base, with gas and air regulators, temperature up to 1750°C.

CH10625/1	LP (Bottled) Gas
CH10625/3	Natural Gas
CH10625/5	Artificial (Coal) Gas

BURNER, HIGH TEMPERATURE

Designed to burn all gases in large volume with a short, wide and uniformly high - temperature flame. A special micrometer needle valve is used to regulate the gas and a safety cap prevents dangerous back flashes. The burner features a plated, injector shaped venturi tube and a direct feed inlet for compressed air. Operates on 5-PSI air pressure. Supplied complete with die-cast alloy, plated octagonal base.

CH10626

BUNSEN BURNER, PILOT FLAME

With pilot flame, saves time when the burner is only needed on an intermittent basis. Base is stamped steel with chrome plating. Sleeve-type regulator and stopcock for reliable gas control. Pilot light tube has a screw adjustment for flame control.

CH10627

MEKER BURNER, HEAVY BASE

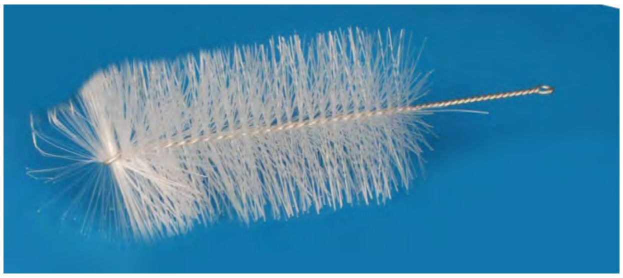
For high temperature work. Nickel plated burner tube with perforated plate of 25 mm diam. at top, which provides flame stability and ensures high and evenly distributed temperature. With rotatable air regulator around the jet. Heavy wide die cast metal base of 80 mm diam. With riffled gas inlet, overall height 150 mm.

CH10630/1	LP (Bottled) Gas
CH10630/3	Natural Gas

FLAME SPREADER

Produce a fishtail flame for glass working. The 18 mm top is excellent for burners with flame stabilizer.

CH10640



BRUSH, BEAKER

Hard nylon bristles on twisted G.I. wire, head 140 x 63 mm, overall length 400 mm approx.

CH10305

BRUSH, BEAKER

Hard nylon bristles on wooden handle, head 150 x 75 mm, overall length 325 mm approx.

CH10309

BRUSH, BURETTE

Hard nylon bristles, mounted on twisted G.I. wire, Available in following sizes

CH10314/1	Head 15 x 150 mm., overall length 900 mm
CH10314/3	Head 25 X 150 mm., overall length 915 mm

BRUSH, BEAKER

Hard nylon bristles on stainless steel wire, head 150 x 85 mm, overall length 400 mm.

CH10307

BRUSH, BOTTLE

Hard nylon bristles, mounted on twisted G.I. wire, head 120 x 65 mm, overall length 500 mm.

CH10310

BRUSH, TEST TUBE

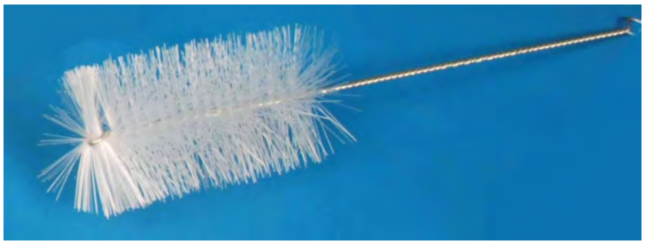
Hard nylon bristles, mounted on twisted G.I. wire, head 90 x 45 mm., overall length 250 mm.

CH10317

BRUSH, SEMI MICRO TEST TUBES

For small test tube of 6-10 mm diam., head 10 x 70 mm, overall length 175 mm. Nylon White.

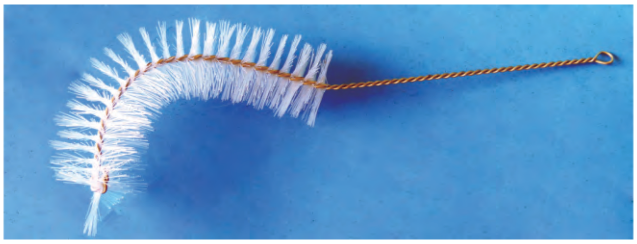
CH10319



BRUSH, FLASK

Hard nylon bristles, mounted on twisted G.I. wire, head 130 x 50 mm. overall length 360 mm.

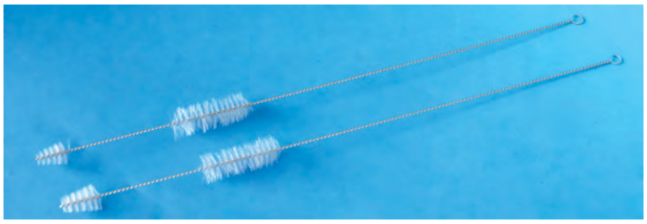
CH10320



BRUSH, FLASK

For round bottom flask upto 100 mm diam., Nylon bristles on twisted G.I. wire handle. Overall length 330 mm.

CH10322



BRUSH, PIPETTE

Nylon Bristles on twisted G.I. Wire, head size 125 x 10 mm, overall length 650 mm for pipettes and tubes from 8-12 mm dia.

CH10324

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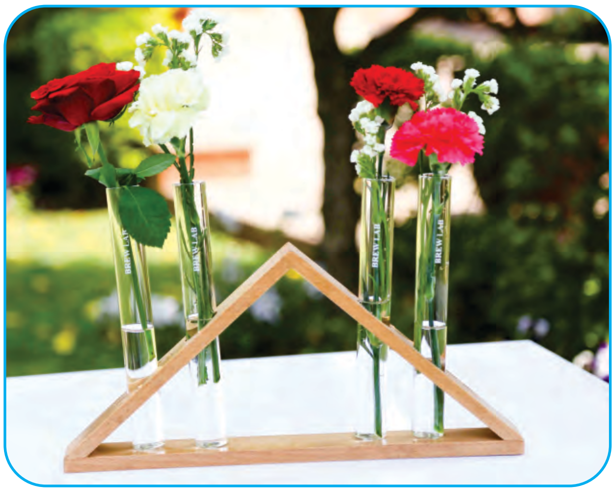
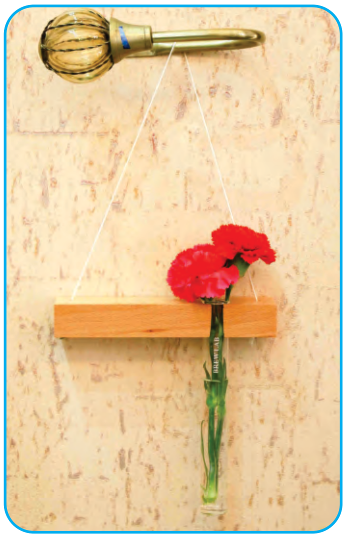


TRIANGLE PLANT HOLDER (4 HOLES)

Product Features

- Consists of a Table top Triangle (can be used for hanging also).
- 2 Holes each on the sides of triangle.
- 4 flat bottom test tubes.
- Made of steam beech wood-perfect for making wooden decor items.
- Easy to handle & maintain.

BL-TP-1001

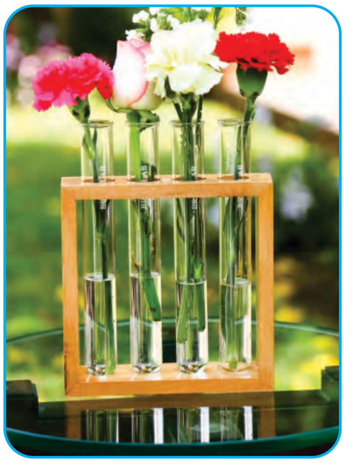


RECTANGLE WOODEN BLOCK PLANT HOLDER

Product Features

- 1 Rectangular block with 1 hole on the side.
- 1 Flat bottom test tube with rim for better grip & stability.
- 1 Meter thread (included).
- Easy to install & maintain.

BL-RP-1002

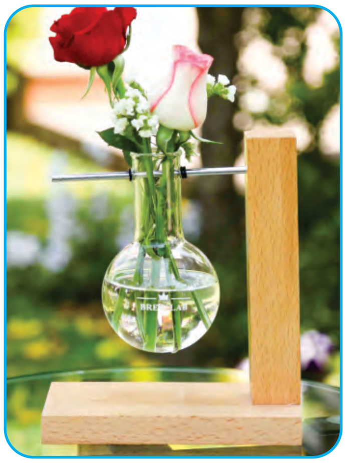


SQUARE PLANT HOLDER (4HOLES)

Product Features

- Consists of a square table top.
- 4 Holes placed at equal distance.
- 4 Round bottom test tubes.
- No installation time.
- Easy to handle & maintain.

BL-SP-1003

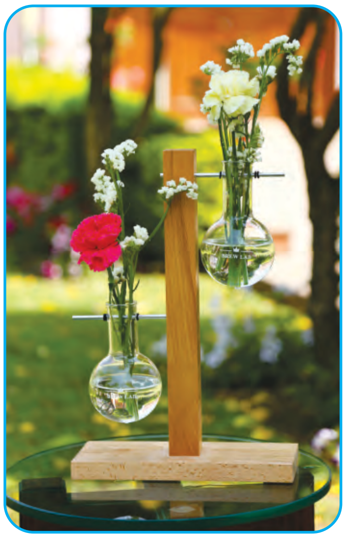


WOODEN FLASK PLANTER SINGLE

Product Features

- Includes 1 L-shaped Wooden Stand.
- 1 10mm Chrome Rod.
- 1 Round Bottom Flask.
- O Rings for Better Stability Of Flask.
- Easy To Install & Handle.

BL-FP-1004

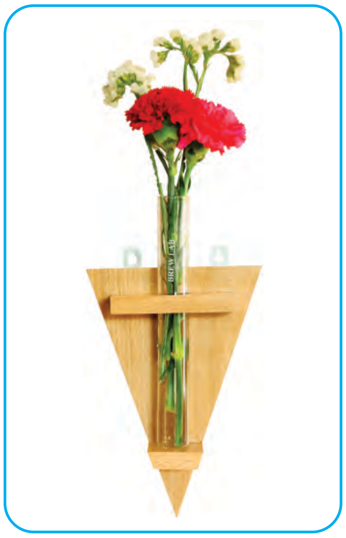


WOODEN FLASK PLANTER DOUBLE

Product Features

- Includes 1 L-shaped Wooden Stand.
- 2 10mm Chrome Rods.
- 2 Round Bottom Flask.
- O Rings For Better Stability Of Flask.
- Easy To Install & Handle.

BL-FP-1005

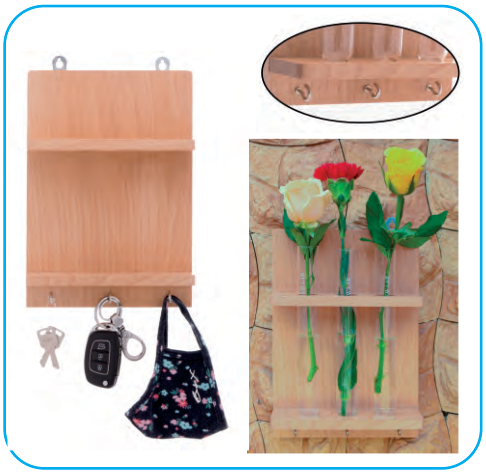


TRIANGLE WALL MOUNT PLANTER

Product Features

- Includes 1 wooden wall mounting triangle piece.
- Includes 1 flat bottom test tube.
- Wooden base for better stability of the glass tube.
- Easy to Install and Handle.

BL-WM-1006

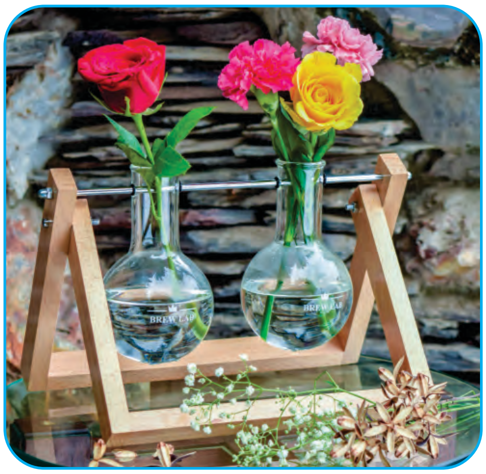


WOODEN FRAME TEST TUBE PLANTER

Product Features

- Includes 3 Round Bottom test tube & 3 Hooks.
- Includes 1 wooden stand with 3 holes.
- It is a multi-purpose test tube stand that can be used as a planter as well as a key holder.
- Easy to maintain & install.
- No Installation time.

BL-WF-1007



WOODEN PLANTER HANGING TYPE (TABLE TOP)

Product Features

- Includes 2 Round Bottom Flask.
- Includes 2 wooden stand.
- Includes 1-chrome rod, O ring, nuts & screws.
- It can be adjusted to various heights.
- A perfect tabletop decoration piece for living area, café & restaurant.

BL-HT-1008

TRIANGLE PLANTER TABLE TOP / WITH 3 TEST TUBES

Product Features

- Includes 1 triangle wooden base, with 3 test tubes to hold.
- Includes 3 flat bottom test tubes.
- It is a Table Top Planter.
- No installation time.
- Easy to maintain.

BL-TP-1009

SHOT GLASS / PEG MEASURE

Product Features

- A convenient & functional kitchenware product.
- Effectively designed to fulfill all your party needs.
- Great gifting idea with a hint of science.
- With 30-60-90 ml graduation.

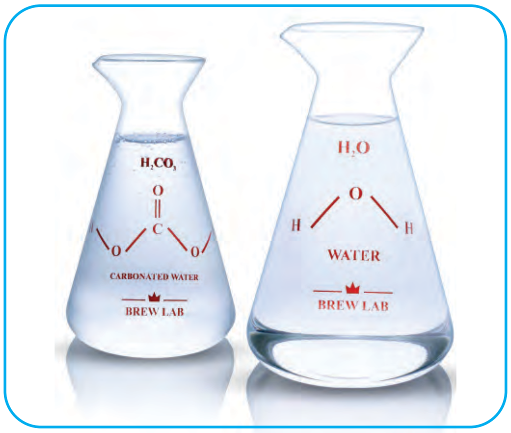
BL-P-1002

PEG MEASURE GLASS COCKTAIL /JUICE /BEER/MOCKTAIL 250ML PACK OF 2

Product Features

- Made of high quality Borosilicate Glass.
- It precisely measures liquid ingredients for creating balanced recipes & crafting cocktails.
- Clear graduation marking upto 250ml.
- Perfectly designed to look good on your bar top & your home bar.

BL-P-0250



FLASK SET (SET OF 2)

Product Features

- Made of Borosilicate Glass 3.3 .
- A must have Barware item in your collection.
- Add a little touch of Science in your kitchenware collection.
- Conical Flasks -Set of 2 (Water & Carbonated Water Chemical Formula).
- Perfect Spout for easy pouring of liquids- Suitable for Corporate Gifting & Family Gatherings.

BL-FS-1005

GLASS TUMBLER (with Graduation) & GLASS STRAW SET OF 2

Product Features

- With Graduation on the Tumbler, it is easy to measure and brew all kinds of drinks.
- Suitable got all kinds of Hot/Cold drinks Dishwasher & Freezer Safe.
- Made of High Quality Borosilicate Glass.
- Convenient & Easy to Grip.

BL-GTS-1006

GLASS TUMBLER (FLOWER PRINTING) 300ML SET OF 2

Product Features

- New improvised double colour flower printed Glass Tumbler 300ml.
- Microwave safe, Reusable & easy to handle.
- It can be used for hot & cold beverages.
- A perfect present for family & friends.

BL-GTS-1006-SP

DRINK
BREW LAB
THE JOY OF SCIENCE
SLEEP
REPEAT

BEAKER MUG 250ML SET OF 2

Product Features

- Light in weight.
- Perfect for Coffee, Tea, Cocktails & Mocktails.
- Made up of Borosilicate Glass 3.3.
- Heat proof, Microwave Safe & Dishwasher Safe.
- Easy to handle & store.

BL-BM-1007

GLASS MUG 250ML SET OF 2

Product Features

- New festive & elegant printing for any special occasion.
- Light in weight.
- Perfect for Coffee, Tea ,Cocktails & Mocktails.
- Made up of Borosilicate Glass 3.3.
- Heat proof, Microwave Safe & Dishwasher Safe.
- Easy to handle & store.

BL-BM-1007-CH

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