

Part-4
**Bottle & Distillation Apparatus
Tubes, Quartzware & Porcelain & Silicaware
Distillation Stills**

Volumetric Calibration

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.



Quality Assurance

Product quality directly depends on the quality of process. Quality control for 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 ISO9001:2008 & ISO17025 standard.



Quality Checks



Enamel Adhesion Check

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



Optical Clarity Check

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



Leakage Check

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



Residual Strain Check

Strain checking equipment (Polariscope) from one of the best manufacturers is used by RSolv 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

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



Calibration Check

All Volumetric glassware are checked at our ISO 17028 certified Calibration lab for accuracy.

Technical Data

RSolv® 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 ₂ O ₂ | 13 |
| Na ₂ O/K ₂ | 4 |
| Al ₂ O 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/cm ³ °C/sec) | 0.0027 |

CHEMICAL DUABILITY

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

LABORATORY GLASSWARE & ESSENTIALS

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Bottles



Bottles

Bottle, Reagent Interchangeable Flat Head Glass Stopper, Narrow Mouth, Clear

- In Compliance to ISO 4796(Part II) /I.S.1388 (Part II) Standard
- These narrow mouth reagent storage bottles have a sturdy ground neck
- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- Printed in white color

| Cat No. | Capacity, ml | Neck Stopper Size | O.D.Ht., mm | Pack Size |
|-------------|--------------|-------------------|-------------|-----------|
| 12.150.0030 | 30* | 14/23 | 36x78 | 12 |
| 12.150.0060 | 60* | 14/23 | 42x90 | 12 |
| 12.150.0100 | 100 | 14/23 | 55x95 | 12 |
| 12.150.0125 | 125* | 19/26 | 55x120 | 12 |
| 12.150.0250 | 250 | 19/26 | 70x128 | 12 |
| 12.150.0500 | 500 | 24/29 | 86x162 | 6 |
| 12.150.1000 | 1000 | 29/32 | 107x198 | 4 |
| 12.150.2000 | 2000 | 29/32 | 133x246 | 2 |
| 12.150.3000 | 3000 | 34/35 | 150x300 | 1 |

*Non ISO/IS Sizes



Bottle, Reagent Interchangeable Glass Stopper, Narrow Mouth, Amber

- In Compliance to ISO 4796(Part II) /I.S.1388(Part II) Standard
- These narrow mouth reagent storage bottles have a sturdy ground neck
- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- The uniform Amber colour is durable and has high chemical resistance
- Used with light-sensitive media and for the storage of substances
- Printed in white color.

| Cat No. | Capacity, ml | Neck Stopper Size | O.D.Ht., mm | Pack Size |
|-------------|--------------|-------------------|-------------|-----------|
| 12.151.0030 | 30* | 14/23 | 36x78 | 12 |
| 12.151.0060 | 60* | 14/23 | 42x90 | 12 |
| 12.151.0100 | 100 | 14/23 | 55x95 | 12 |
| 12.151.0125 | 125* | 19/26 | 55x120 | 12 |
| 12.151.0250 | 250 | 19/26 | 70x128 | 12 |
| 12.151.0500 | 500 | 24/29 | 86x162 | 6 |
| 12.151.1000 | 1000 | 29/32 | 107x198 | 4 |
| 12.151.2000 | 2000 | 29/32 | 133x246 | 2 |

*Non ISO/IS Sizes



Bottle, Reagent, Heavy Duty, Graduated with Interchangeable Flat Head Glass Stopper, Narrow Mouth, Clear

- These narrow mouth reagent storage bottles have a sturdy ground neck
- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- Printed in white color

| Cat No. | Capacity, ml | Neck Stopper Size | O.D.Ht., mm | Pack Size |
|-------------|--------------|-------------------|-------------|-----------|
| 12.180.0100 | 100 | 14/23 | 56x100 | 10 |
| 12.180.0250 | 250 | 19/26 | 70x145 | 10 |
| 12.180.0500 | 500 | 24/29 | 86x173 | 10 |
| 12.180.1000 | 1000 | 29/32 | 101x225 | 6 |
| 12.180.2000 | 2000 | 29/32 | 136x260 | 2 |



Bottle, Reagent, Heavy Duty, Graduated with Interchangeable Glass Stopper, Narrow Mouth, Amber

- These narrow mouth reagent storage bottles have a sturdy ground neck
- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- The uniform Amber colour is durable and has high chemical resistance
- Used with light-sensitive media and for the storage of substances
- Printed in white color

| Cat No. | Capacity, ml | Neck Stopper Size | O.D.Ht., mm | Pack Size |
|-------------|--------------|-------------------|-------------|-----------|
| 12.181.0100 | 100 | 14/23 | 56x100 | 10 |
| 12.181.0250 | 250 | 19/26 | 70x145 | 10 |
| 12.181.0500 | 500 | 24/29 | 86x173 | 10 |
| 12.181.1000 | 1000 | 29/32 | 101x225 | 6 |
| 12.181.2000 | 2000 | 29/32 | 136x260 | 2 |



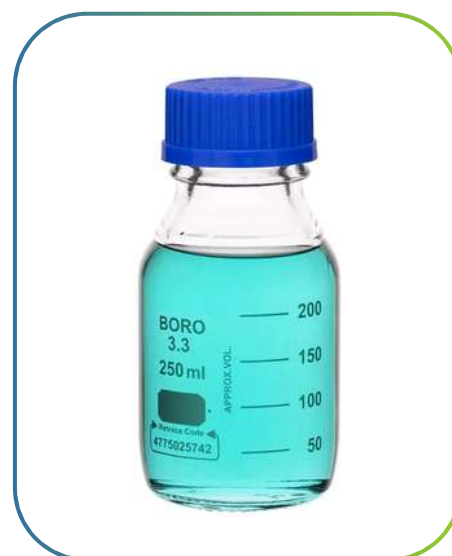
Bottle, Reagent, With Screw Cap, Clear

- In Compliance to ISO 4796(Part I) / I.S.1388(Part I) Standard
- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- Pouring ring for drip-free operation
- The screw caps and pouring ring are made of high grade PP
- The bottles, screw caps and pouring rings can be sterilized and autoclavable
- Printed in white color

| Cat No. | Capacity, ml | Thread Specification | O.D.Ht., mm | Pack Size |
|-------------|--------------|----------------------|-------------|-----------|
| 12.108.0010 | 10**# | GL 25 | 34x50 | 10 |
| 12.108.0025 | 25# | GL 25 | 34x70 | 10 |
| 12.108.0050 | 50# | GL 32 | 46x87 | 10 |
| 12.108.0100 | 100 | GL 45 | 56x100 | 10 |
| 12.108.0250 | 250 | GL 45 | 70x138 | 10 |
| 12.108.0500 | 500 | GL 45 | 86x176 | 10 |
| 12.108.1000 | 1000 | GL 45 | 101x225 | 6 |
| 12.108.2000 | 2000 | GL 45 | 136x260 | 2 |
| 12.108.3000 | 3000** | GL 45 | 166x285 | 1 |
| 12.108.5000 | 5000 | GL 45 | 181x330 | 1 |
| 12.108.9910 | 10000 | GL 45 | 227x410 | 1 |
| 12.108.9920 | 20000 | GL 45 | 288x505 | 1 |

Without Pouring Ring

** Non ISO/IS Sizes



Bottle, Reagent, With Screw Cap, Amber

- In Compliance to ISO 4796(Part I) /I.S.1388(Part I) Standard
- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- Pouring ring for drip-free operation
- The screw caps and pouring ring are made of high grade PP
- The bottles, screw caps and pouring rings can be sterilized and autoclavable
- Printed in white color

| Cat No. | Capacity, ml | Thread Specification | O.D.Ht., mm | Pack Size |
|-------------|--------------|----------------------|-------------|-----------|
| 12.112.0010 | 10* | GL 25 | 36x50 | 10 |
| 12.112.0025 | 25 | GL 25 | 36x70 | 10 |
| 12.112.0050 | 50# | GL 32 | 46x87 | 10 |
| 12.112.0100 | 100 | GL 45 | 56x100 | 10 |
| 12.112.0250 | 250 | GL 45 | 70x138 | 10 |
| 12.112.0500 | 500 | GL 45 | 86x176 | 10 |
| 12.112.1000 | 1000 | GL 45 | 101x225 | 6 |
| 12.112.2000 | 2000 | GL 45 | 136x260 | 2 |
| 12.112.3000 | 3000** | GL 45 | 166x285 | 1 |
| 12.112.5000 | 5000 | GL 45 | 181x330 | 1 |
| 12.112.9910 | 10000 | GL 45 | 227x410 | 1 |
| 12.112.9920 | 20000 | GL 45 | 288x505 | 1 |

*Non ISO/IS Sizes



Bottle, Reagent, Long Neck, Heavy Duty with Screw Cap, Clear

- In Compliance to ISO 4796(Part I) /I.S.1388(Part I) Standard
- Special Shape for Easy holding & comfortable movement
- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- The screw caps and pouring ring are made of high grade PP
- The bottles, screw caps and pouring rings can be sterilized and autoclavable
- Printed in white color

| Cat No. | Capacity, ml | Thread Specification | O.D.Ht., mm | Pack Size |
|-------------|--------------|----------------------|-------------|-----------|
| 12.109.3000 | 3000 | GL-45 | 158x300 | 1 |
| 12.109.5000 | 5000 | GL-45 | 181x330 | 1 |



Reagent Bottle Clear, Extra Wide Mouth With Polypropylene Screw Cap And With Pouring Ring, Repeatedly Autoclaveable, Graduated

- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance

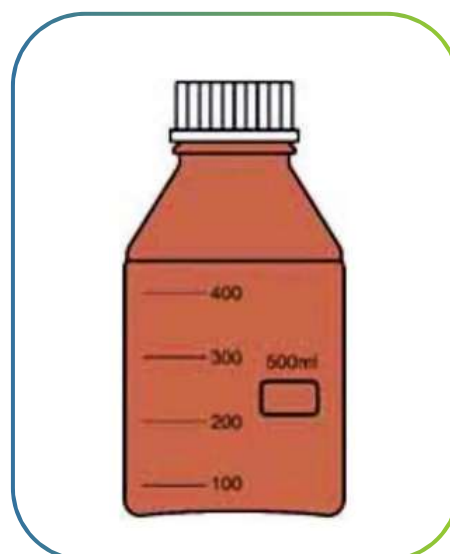
| Cat No. | Capacity, ml | DIN Thread | Pack Size |
|-------------|--------------|------------|-----------|
| 12.106.5000 | 5000 | GL80 | 1 |
| 12.106.9910 | 10000 | GL80 | 1 |
| 12.106.9920 | 20000 | GL80 | 1 |



Reagent Bottle Amber Colour, Extra Wide Mouth With Polypropylene Screw Cap & Pouring Ring, Repeatedly Autoclaveable, Graduated

- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- The uniform Amber colour is durable and has high chemical resistance
- Used with light-sensitive media and for the storage of substances

| Cat No. | Capacity, ml | DIN Thread | Pack Size |
|-------------|--------------|------------|-----------|
| 12.107.5000 | 5000 | GL80 | 1 |
| 12.107.9910 | 10000 | GL80 | 1 |
| 12.107.9920 | 20000 | GL80 | 1 |



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

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

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



Bottle, McCartney (Bijou) Narrow Mouth, Clear Neutral Glass, Autoclavable, With Aluminium Screw Cap and Rubber Liner

| Cat No. | 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

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.128.0028 | 28 | 400 |

Dish washer
Durable
Print

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

- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- Supplied with interchangeable ground joint transparent pipette with rubber teat
- Printed in white color

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.116.0030 | 30 | 12 |
| 12.116.0060 | 60 | 12 |
| 12.116.0125 | 125 | 12 |
| 12.116.0250 | 250 | 12 |



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

- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- The uniform Amber colour is durable and has high chemical resistance
- Supplied with interchangeable ground joint transparent pipette with rubber teat
- Printed in white color

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.120.0030 | 30 | 12 |
| 12.120.0060 | 60 | 12 |
| 12.120.0125 | 125 | 12 |
| 12.120.0250 | 250 | 12 |



Bottles, Solution, Amber, Tooled Neck

- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance
- Properties within the bottle remain unchanged, as the colour is applied only on the external surface
- Protects media from light radiation with a wave-length between 300nm and 500nm
- Ideal for use with light-sensitive media and for long-term storage of substances

| Cat No. | Capacity, ml | Approx Neck I. D. mm | Pack Size |
|-------------|--------------|----------------------|-----------|
| 12.110.0250 | 250 | 18 | 10 |
| 12.110.0500 | 500 | 23 | 10 |
| 12.110.1000 | 1000 | 28 | 6 |
| 12.110.2000 | 2000 | 33 | 2 |



Bottles, Solution, Plain, Tooled Neck

- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance

| Cat No. | Capacity, ml | Neck I. D. mm | Pack Size |
|-------------|--------------|---------------|-----------|
| 12.129.0250 | 250 | 18 | 10 |
| 12.129.0500 | 500 | 23 | 10 |
| 12.129.1000 | 1000 | 28 | 10 |
| 12.129.2000 | 2000 | 33 | 10 |
| 12.129.3000 | 3000 | 44 | 1 |
| 12.129.5000 | 5000 | 44 | 1 |
| 12.129.9910 | 20000 | 54 | 1 |
| 12.129.9920 | 10000 | 54 | 1 |



Roux, Culture Bottle, Off-Set Neck

- Complies with IS6942
- Neck ID-25mm approx
- It withstands repeated sterilization (wet or dry)

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.122.1000 | 1000 | 20 |



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

- In Compliance to I.S.9213
- Printed in white color

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.174.0060 | 60 | 6 |
| 12.174.0125 | 125* | 6 |
| 12.174.0300 | 300 | 2 |

*Non ISO/IS Sizes



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

Aspirator Bottle GL 45 Screw Cap and Stopcock

• Printed in white color

| Cat No. | Capacity, ml | Socket Size | Pack Size |
|-------------|--------------|-------------|-----------|
| 12.155.1000 | 1000 | 14/23 | 1 |
| 12.155.2000 | 2000 | 19/26 | 1 |
| 12.155.3000 | 3000 | 24/29 | 1 |
| 12.155.5000 | 5000 | 29/32 | 1 |
| 12.155.9910 | 10000 | 29/32 | 1 |
| 12.155.9920 | 20000 | 29/32 | 1 |



Aspirator Bottle GL 45 Screw Cap and Tubulation

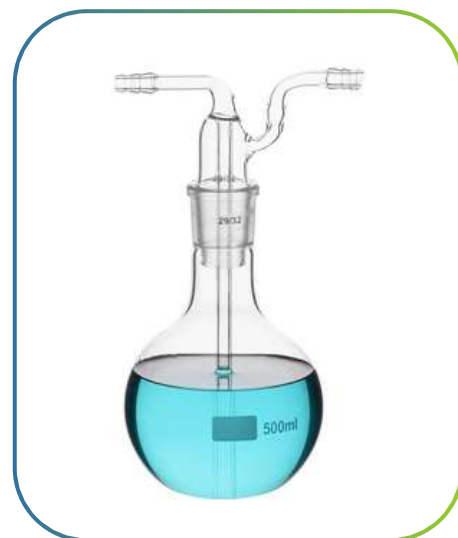
| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.156.0250 | 250 | 1 |
| 12.156.0500 | 500 | 1 |
| 12.156.1000 | 1000 | 1 |
| 12.156.2000 | 2000 | 1 |
| 12.156.5000 | 5000 | 1 |



Washing Bottle - Flat Bottom Flask With Stopper And Inlet & Outlet Glass Tubes

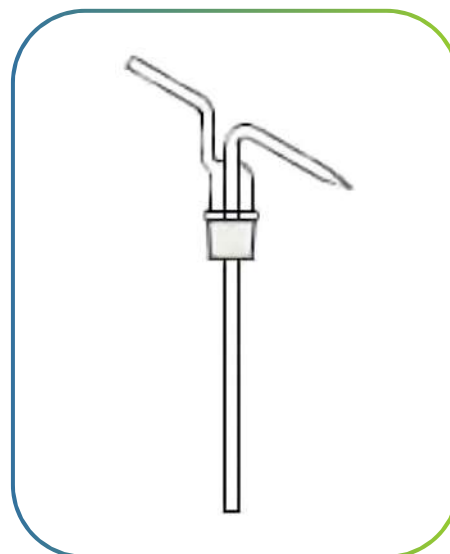
- These bottles are mechanically strong and chemical resistant
- All sizes have a enameled area for marking
- Printed in white color

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.164.0250 | 250 | 1 |
| 12.164.0500 | 500 | 1 |
| 12.164.1000 | 1000 | 1 |
| 12.164.2000 | 2000 | 1 |
| 12.164.5000 | 5000 | 1 |
| 12.164.9910 | 10000 | 1 |



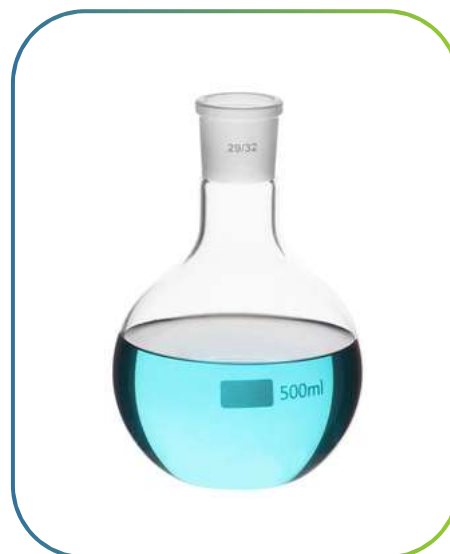
Spare Head, For Flask Type Wash Bottles

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.164.0005 | 250 | 2 |
| 12.164.0010 | 500 | 2 |
| 12.164.0015 | 1000 | 2 |



Bottles, Only For Flask Type Washing Bottles

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.165.0125 | 125 | 2 |
| 12.165.0250 | 250 | 2 |
| 12.165.0500 | 500 | 2 |



Gas Washing Bottle, Dreschel's

Inlet and outlet tubes in a stopper which fits the bottle having interchangeable 29/32 ground glass joint

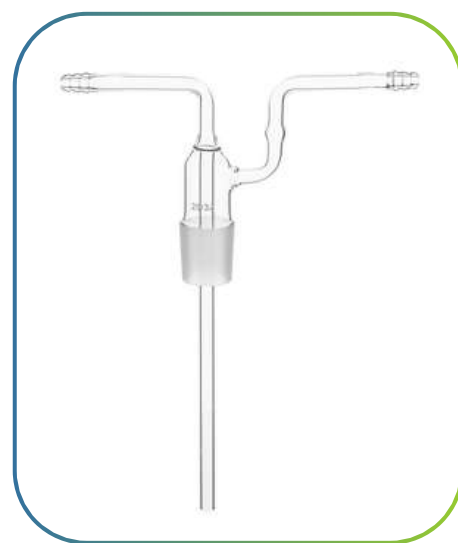
- These bottles are strong and chemical resistant
- All sizes have a enameled area for marking
- Printed in white color

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.168.0125 | 125 | 1 |
| 12.168.0250 | 250 | 1 |
| 12.168.0500 | 500 | 1 |



Spare Head, For Dreschel's Gas Wash Bottles

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.168.0005 | 125 | 2 |
| 12.168.0010 | 250 | 2 |
| 12.168.0015 | 500 | 2 |



Bottles, Only For Dreschel's Gas Washing Bottles

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.169.0125 | 125 | 2 |
| 12.169.0250 | 250 | 2 |
| 12.169.0500 | 500 | 2 |



Weighing Bottle, Squat Form

| Cat No. | Dia., x Ht., mm (Approx) | Capacity, ml | Pack Size |
|-------------|--------------------------|--------------|-----------|
| 12.136.4030 | 40x30 | 20 | 10 |
| 12.136.5025 | 50x25 | 15 | 10 |
| 12.136.5035 | 50x35 | 25 | 10 |
| 12.136.5050 | 50x50 | 50 | 10 |
| 12.136.6040 | 60x40 | 40 | 10 |



Weighing Bottle, Tall Form

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

| Cat No. | Dia., x Ht., mm (Approx) | Capacity, ml | Pack Size |
|-------------|--------------------------|--------------|-----------|
| 12.140.2040 | 20x40 | 5 | 10 |
| 12.140.2560 | 25x60 | 15 | 10 |
| 12.140.3060 | 30x60 | 25 | 10 |
| 12.140.4090 | 40x90 | 60 | 10 |



Amber Color Weighing Bottle, Squat Form

| Cat No. | Dia., x Ht., mm (Approx) | Capacity, ml | Pack Size |
|-------------|--------------------------|--------------|-----------|
| 12.137.4030 | 40x30 | 20 | 10 |
| 12.137.5025 | 50x25 | 15 | 10 |
| 12.137.5035 | 50x35 | 25 | 10 |
| 12.137.5050 | 50x50 | 50 | 10 |
| 12.137.6040 | 60x40 | 40 | 10 |



Amber Color Weighing Bottle, Tall Form

| Cat No. | Dia., x Ht., mm (Approx) | Capacity, ml | Pack Size |
|-------------|--------------------------|--------------|-----------|
| 12.138.4020 | 20x40 | 5 | 10 |
| 12.138.6025 | 25x60 | 15 | 10 |
| 12.138.6030 | 30x60 | 25 | 10 |
| 12.138.9040 | 40x90 | 60 | 10 |



Specific Gravity Bottles, Weld With Cap

| Cat No. | Capacity, ml | Inner Joint | Outer Joint | Pack Size |
|-------------|--------------|-------------|-------------|-----------|
| 12.141.0010 | 10 | 10/19 | 14/23 | 6 |
| 12.141.0025 | 25 | 10/19 | 14/23 | 6 |
| 12.141.0050 | 50 | 10/19 | 14/23 | 6 |



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

- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.130.0005 | 5* | 2 |
| 12.130.0010 | 10 | 2 |
| 12.130.0020 | 20 | 2 |
| 12.130.0025 | 25 | 2 |
| 12.130.0050 | 50 | 2 |
| 12.130.0100 | 100 | 2 |

* with glass stopper

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

- In Compliance to ISO 3507
- Labeling field for easy marking
- Manufactured from 3.3 Borosilicate Glass for corrosion-free performance

| Cat No. | Capacity, ml | Tolerance \pm ml. | Pack Size |
|-------------|--------------|---------------------|-----------|
| 12.142.0005 | 5* | 0.1 | 1 |
| 12.142.0010 | 10 | 0.3 | 1 |
| 12.142.0020 | 20 | 0.8 | 1 |
| 12.142.0025 | 25 | 0.8 | 1 |
| 12.142.0050 | 50 | 1.0 | 1 |
| 12.142.0100 | 100 | 2.0 | 1 |

* with glass stopper

Pyknometer, Gay- Lussac (S.G. Bottle), Calibrated, Class A, With NABL Works Certificate



| Cat No. | Capacity, ml | Tolerance \pm ml. | Pack Size |
|-------------|--------------|---------------------|-----------|
| 12.139.0005 | 5* | 0.1 | 1 |
| 12.139.0010 | 10 | 0.3 | 1 |
| 12.139.0020 | 20 | 0.8 | 1 |
| 12.139.0025 | 25 | 0.8 | 1 |
| 12.139.0050 | 50 | 1.0 | 1 |
| 12.139.0100 | 100 | 2.0 | 1 |

* with glass stopper



Pyknometer With Ground-in Thermometer

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

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.134.0010 | 10 | 1 |
| 12.134.0025 | 25 | 1 |
| 12.134.0050 | 50 | 1 |
| 12.134.0100 | 100 | 1 |



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

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

| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 12.145.0010 | 10 | 1 |
| 12.145.0025 | 25 | 1 |
| 12.145.0050 | 50 | 1 |
| 12.145.0100 | 100 | 1 |



Distillation Apparatus

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

Comprises of a boiling flask, reflux condenser and graduated receiver with glass stopcock

| Cat No. | Receiver Capacity, ml | Flask Capacity, ml | Pack Size |
|---------------|-----------------------|--------------------|-----------|
| 16.410.0250 | 2 | 250 | 1 |
| 16.410.0500 | 5 | 500 | 1 |
| 16.410.1000 | 10 | 1000 | 1 |
| 16.410.1000-1 | 25 | 1000 | 1 |



Moisture Determination Apparatus, Dean & Stark, With NABL Certificate

Comprises of a boiling flask, reflux condenser and graduated receiver with glass stopcock. With NABL Certificate

| Cat No. | Receiver Capacity, ml | Flask Capacity, ml | Pack Size |
|---------------|-----------------------|--------------------|-----------|
| 16.412.0250 | 2 | 250 | 1 |
| 16.412.0500 | 5 | 500 | 1 |
| 16.412.1000 | 10 | 1000 | 1 |
| 16.412.1000-1 | 25 | 1000 | 1 |



Essential Oil Determination Apparatus (Clevenger Type)

- Vertical tube joins with condenser and measuring tube with stopcock
- Return tube connects the bottom of the measuring tube and the vertical tube

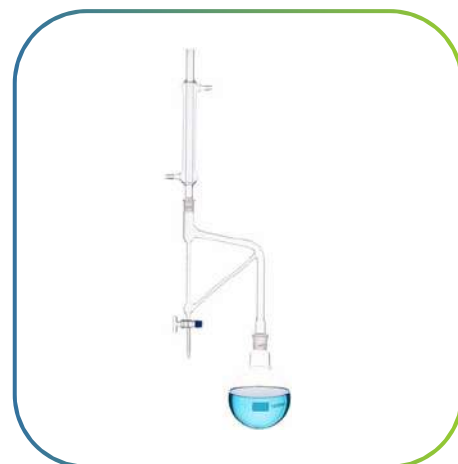
| Cat No. | Flask Capacity, ml | Pack Size |
|-------------|--------------------|-----------|
| 16.426.1000 | 1000 | 1 |
| 16.426.2000 | 2000 | 1 |
| 16.426.3000 | 3000 | 1 |
| 16.426.5000 | 5000 | 1 |
| 16.426.9910 | 10000 | 1 |
| 16.426.9920 | 20000 | 1 |



Clevenger Apparatus

- This Apparatus is ideal for determination of volatile oil lighter than water
- Consists of 1000 ml. flask, 2ml Receiver with stopcock and condenser

| Cat No. | Pack Size |
|-------------|-----------|
| 16.428.1000 | 1 |



Clevenger Apparatus

- This apparatus is ideal for determination of volatile oil heavier than water
- Consists of 1000 ml. flask, Receiver with stopcock and condenser

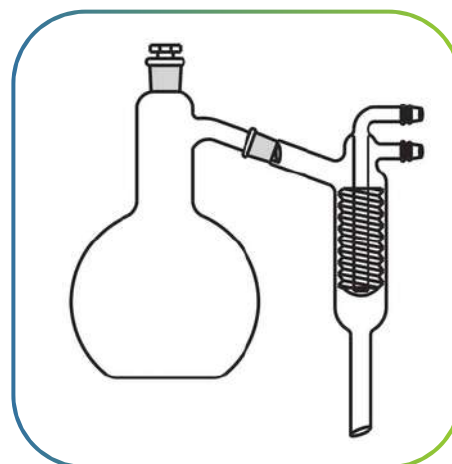
| Cat No. | Pack Size |
|-------------|-----------|
| 16.430.1000 | 1 |



Distillation Apparatus

- Comprises of 2000 ml Flask, Friedrich Condenser and Stopper

| Cat No. | Pack Size |
|-------------|-----------|
| 16.458.2000 | 1 |



Distillation Apparatus, Compact

- Comprises of 1000ml Erlenmeyer Flask and Friedrich Condenser

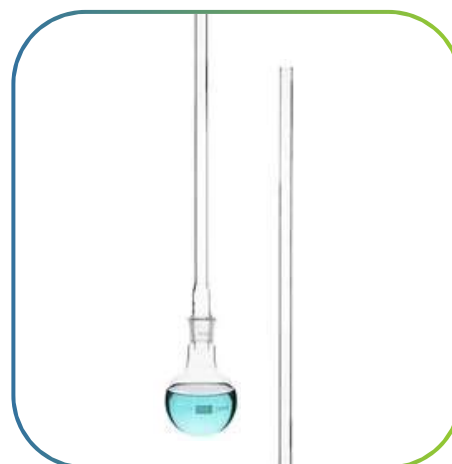
| Cat No. | Pack Size |
|-------------|-----------|
| 16.460.1000 | 1 |



Reflux Assemblies

- Comprises of Round Bottom Flask and Air Condenser

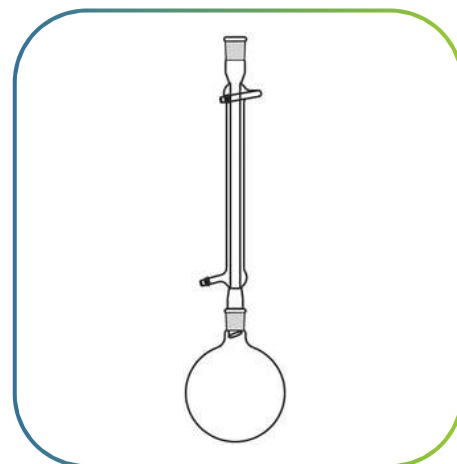
| Cat No. | Flask Capacity, ml | Condenser effective length mm | Pack Size |
|-------------|--------------------|-------------------------------|-----------|
| 16.464.0100 | 100 | 500 | 1 |
| 16.464.0250 | 250 | 750 | 1 |
| 16.464.0500 | 500 | 1000 | 1 |



Reflux Assemblies

- Comprises of Round Bottom Flask and Liebig Condenser

| Cat No. | Flask Capacity, ml | Condenser effective length mm | Pack Size |
|-------------|--------------------|-------------------------------|-----------|
| 16.468.0100 | 100 | 300 | 1 |
| 16.468.0250 | 250 | 400 | 1 |
| 16.468.0500 | 500 | 500 | 1 |



Reflux Assembly

- Comprises of Round Bottom Flask 1000 ml and a Reversible Coil Condenser

| Cat No. | Pack Size |
|-------------|-----------|
| 16.470.1000 | 1 |



Nitrogen Determination Assemblies

Macro Kjeldahl Distillation

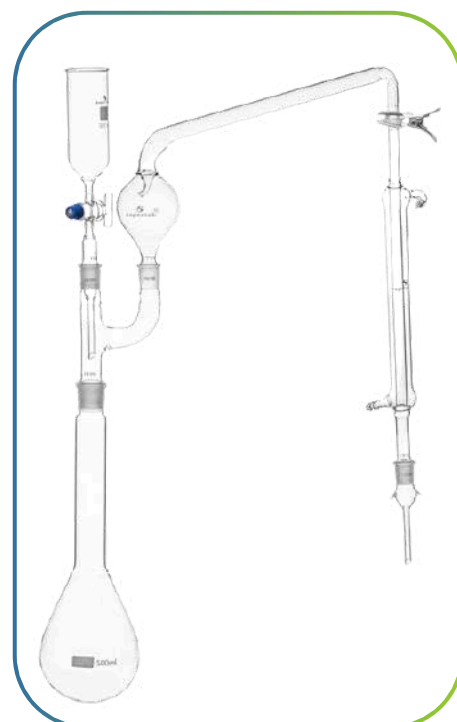
- 500 ml Kjeldahl Flask, multiple adapter, dropping funnel with plug
- Splash Head, condenser and receiver adapter

| Cat No. | Pack Size |
|-------------|-----------|
| 16.432.0500 | 1 |

Macro Kjeldahl Distillation

- 500 ml Kjeldahl Flask, Multiple Adapter, Dropping Funnel with plug
- Splash Head, Condenser with spherical joints in between

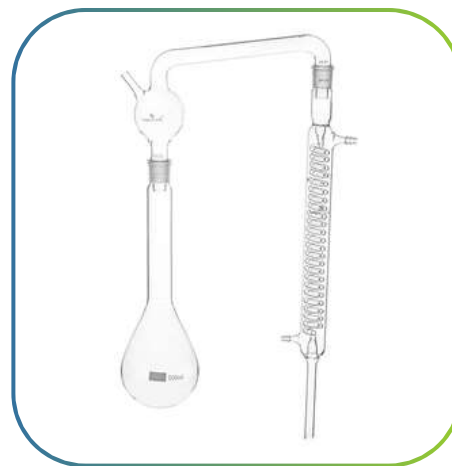
| Cat No. | Pack Size |
|-------------|-----------|
| 16.434.0500 | 1 |



Distilling Apparatus Ammonia

• Comprises of graham condenser used for determination of nitrogen in organic compounds

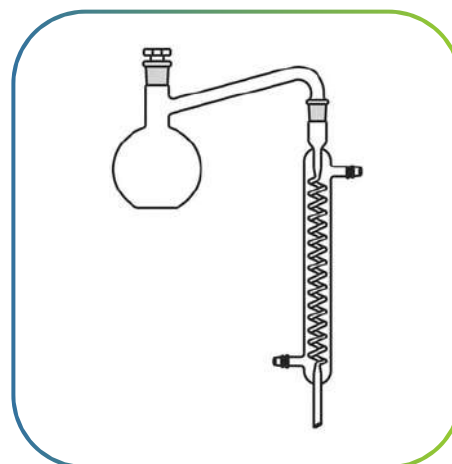
| Cat No. | Flask Capacity ml. | Pack Size |
|-------------|--------------------|-----------|
| 16.436.0500 | 500 | 1 |



Distillation Apparatus

* Comprises of 500 ml flask, graham condenser 200 mm and stopper

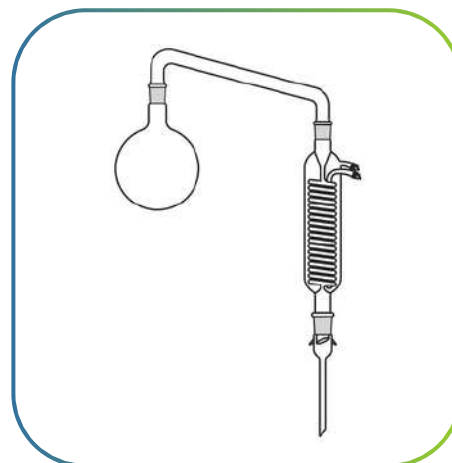
| Cat No. | Flask Capacity ml. | Effective Condenser length mm. | Pack Size |
|-------------|--------------------|--------------------------------|-----------|
| 16.438.0500 | 500 | 200 | 1 |



Alcohol Distillation Unit

• Comprises of R.B. 1000 ml, recovery bend, inland revenue condenser 200 mm and receiver adapter

| Cat No. | Flask Capacity ml. | Effective Condenser length mm. | Pack Size |
|-------------|--------------------|--------------------------------|-----------|
| 16.440.1000 | 1000 | 200 | 1 |



Distillation Apparatus

• Comprises of R. B., recovery bend, liebig condenser and receiver adapter

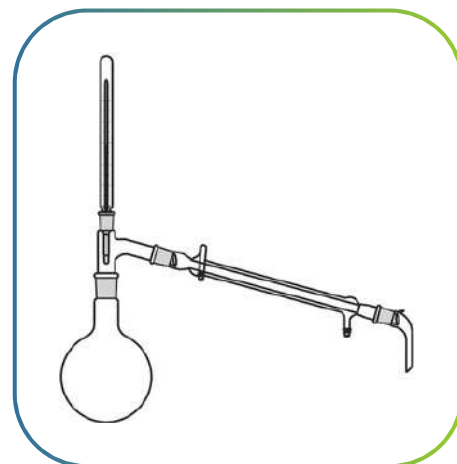
| Cat No. | Flask Capacity, ml | Effective Condenser length mm. | Pack Size |
|-------------|--------------------|--------------------------------|-----------|
| 16.442.0250 | 250 | 200 | 1 |
| 16.442.0500 | 500 | 300 | 1 |
| 16.442.1000 | 1000 | 350 | 1 |
| 16.442.2000 | 2000 | 400 | 1 |



Preparation Assembly

• Comprises of R. B., still head, thermometer, liebig condenser and receiver adapter

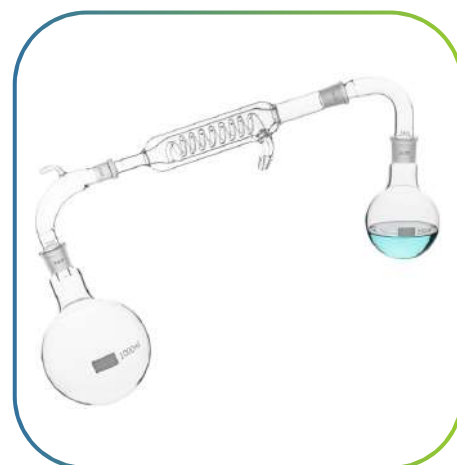
| Cat No. | Flask Capacity, ml | Condenser effective length mm | Pack Size |
|-------------|--------------------|-------------------------------|-----------|
| 16.444.0500 | 500 | 300 | 1 |
| 16.444.1000 | 1000 | 350 | 1 |
| 16.444.2000 | 2000 | 400 | 1 |



Vacuum Distillation

• Comprises of R. B. 1000 ml, recovery bend, jacketed coil condenser 150 mm, receiver adapter bent with vent and round bottom flask 250 ml

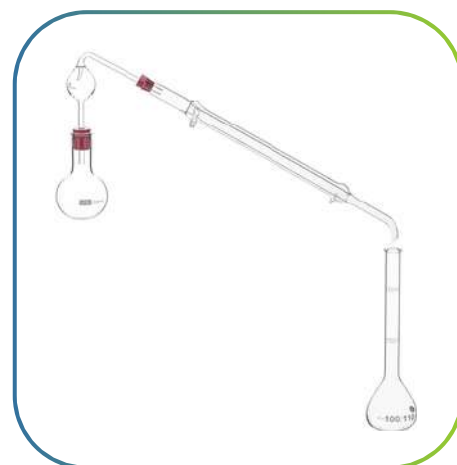
| Cat No. | Flask Capacity, ml | Condenser effective length mm | Pack Size |
|-------------|--------------------|-------------------------------|-----------|
| 16.446.1000 | 1000 | 150 | 1 |



Reichert Wollney's Apparatus

• For the Determination of Volatile Fatty Acids in Margarine and Butter, With Rubber Cork

| Cat No. | Pack Size |
|-------------|-----------|
| 16.447.0050 | 1 |



Kjeldhal Distillation Assembly

• Comprises of kjeldhal flask 500 ml, multiple adapter two necks, splash head vertical, liebig condenser, receiver adapter and dropping funnel 100 ml

| Cat No. | Flask Capacity, ml | Dropping Funnel Capacity ml. | Pack Size |
|-------------|--------------------|------------------------------|-----------|
| 16.450.0500 | 500 | 100 | 1 |



Arsenic Determination Apparatus as per IS

| Cat No. | Pack Size |
|-------------|-----------|
| 16.459.0010 | 2 |



Arsenic Determination Apparatus as per IP Specs

| Cat No. | Pack Size |
|-------------|-----------|
| 16.462.0010 | 2 |



Arsenic Determination Apparatus, Gutzeit

| Cat No. | Pack Size |
|-------------|-----------|
| 16.465.0010 | 1 |



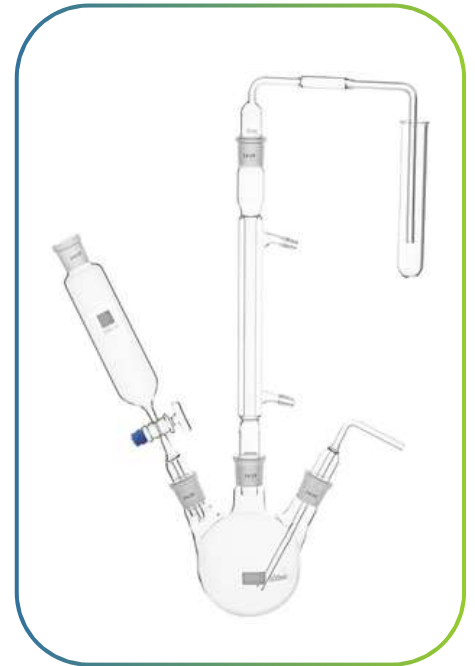
Arsenic Determination Apparatus as per USP

| Cat No. | Pack Size |
|-------------|-----------|
| 16.469.0010 | 2 |



Sulphur Di Oxide Assembly as per USP

| Cat No. | Pack Size |
|-------------|-----------|
| 16.471.0010 | 1 |



R M Value Apparatus, IS 548 (Part-1)

• For dairy industries for determination of butter fat & analysis of oil/fat/waxes, with rubber cork fitting

| Cat No. | Capacity ml. | Pack Size |
|-------------|--------------|-----------|
| 16.448.0300 | 300 | 1 |

Also available with standard joint fitting on request, please ask for prices.



Tubes

RSolv® 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 - Borosilicate Glass

- Fire polished rim and uniform wall thickness
- In Compliance to ISO 4142
- Made of borosilicate 3.3 glass
- High thermal shock resistance & chemical attack resistance
- Available with & without rim
- Packed in breakage resistant special designed boxes

| With rim | Capacity, ml (Approx.) | Size, mm | Pack Size |
|--------------|------------------------|----------|-----------|
| 17.101.1075 | 3 | 75x10 | 100 |
| 17.101.1275 | 5 | 75x12 | 100 |
| 17.101.1210 | 7 | 100x12 | 100 |
| 17.101.1512* | 13 | 125x15 | 100 |
| 17.101.1515* | 15 | 150x15 | 100 |
| 17.101.1815 | 27 | 150x18 | 100 |
| 17.101.2510 | 38 | 100x25 | 100 |
| 17.101.2515 | 55 | 150x25 | 100 |
| 17.101.2520 | 70 | 200x25 | 100 |
| 17.101.3220 | 100 | 200x32 | 100 |
| 17.101.3820 | 170 | 200x38 | 50 |

| Without rim | Capacity, ml (Approx.) | Size, mm | Pack Size |
|--------------|------------------------|----------|-----------|
| 17.104.1075 | 3 | 75x10 | 100 |
| 17.104.1275 | 5 | 75x12 | 100 |
| 17.104.1210 | 7 | 100x12 | 100 |
| 17.104.1512* | 13 | 125x15 | 100 |
| 17.104.1515* | 15 | 150x15 | 100 |
| 17.104.1815 | 27 | 150x18 | 100 |
| 17.104.2510 | 38 | 100x25 | 100 |
| 17.104.2515 | 55 | 150x25 | 100 |
| 17.104.2520 | 70 | 200x25 | 100 |
| 17.104.3220 | 100 | 200x32 | 100 |
| 17.104.3820 | 170 | 200x38 | 50 |

Test Tubes, Graduated

- Fire polished rim and uniform wall thickness
- Made of borosilicate 3.3 glass
- High thermal shock resistance & chemical attack resistance
- Round Bottom, With rim
- Graduated in Amber

| Cat No. | Receiver Capacity, ml | Flask Capacity, ml | Pack Size |
|-------------|-----------------------|--------------------|-----------|
| 17.106.1075 | 3 | 75x10 | 10 |
| 17.106.1275 | 5 | 75x12 | 10 |
| 17.106.1210 | 7 | 100x12 | 10 |
| 17.106.1512 | 13 | 125x15 | 10 |
| 17.106.1815 | 27 | 150x18 | 10 |
| 17.106.2515 | 55 | 150x25 | 10 |
| 17.106.2520 | 70 | 200x25 | 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

| Cat No. | 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 |



Tube Flat Bottom Without Rim

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

| Cat No. | Approx. O.D. x Length mm | Pack Size |
|-------------|--------------------------|-----------|
| 17.109.1275 | 12 x 75 | 100 |



Culture Tubes, Flat Bottom Clear

- Made from Boro Glass 3.3, Clear
- Printed in Matt finish white colour enamel
- Uniform Wall Thickness
- Leakproof
- Comes with PP Screw Cap and PTFE Liner

| Cat No. | Capacity, ml | Size mm | Pack Size |
|--------------|--------------|----------|-----------|
| 17.122.1638* | 3 | 16 x 38 | 100 |
| 17.122.1655* | 5 | 16 x 55 | 100 |
| 17.122.2550 | 10 | 25 x 50 | 100 |
| 17.122.2557 | 15 | 25 x 57 | 100 |
| 17.122.2572 | 20 | 25 x 72 | 100 |
| 17.122.2595 | 30 | 25 x 95 | 100 |
| 17.122.2515 | 50 | 25 x 150 | 100 |

3ml & 5ml with stopper

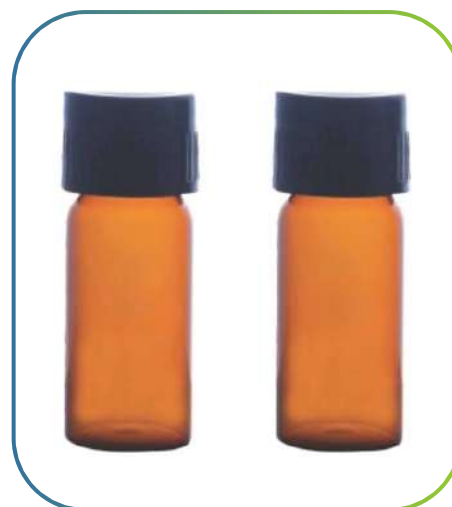


Culture Tubes, Flat Bottom Amber

- Made from Boro Glass 5.1, Amber
- Printed in Matt finish white colour enamel
- Uniform Wall Thickness
- Leakproof
- Comes with PP Screw Cap and PTFE Liner

| With rim | Capacity, ml) | Size, mm | Pack Size |
|--------------|---------------|----------|-----------|
| 17.139.1638* | 3 | 16x38 | 100 |
| 17.139.1655* | 5 | 16x55 | 100 |
| 17.139.2550 | 10 | 25x50 | 100 |
| 17.139.2557 | 15 | 25x57 | 100 |
| 17.139.2572 | 20 | 25x72 | 100 |
| 17.139.2595 | 30 | 25x95 | 100 |
| 17.139.2515 | 50 | 25x150 | 100 |

3ml & 5ml with stopper



Culture Tubes, Round Bottom, Clear

- Made from Boro Glass 3.3, Clear
- Printed in Matt finish white colour enamel
- Uniform Wall Thickness
- Leakproof
- Comes with PP Screw Cap and PTFE Liner

| Without rim | Capacity, m) | Size, mm | Pack Size |
|-------------|--------------|----------|-----------|
| 17.123.1210 | 5 | 12x100 | 100 |
| 17.123.1675 | 5 | 16x75 | 100 |
| 17.123.1610 | 10 | 16x100 | 100 |
| 17.123.1612 | 15 | 16x125 | 100 |
| 17.123.1615 | 20 | 16x150 | 100 |
| 17.123.1815 | 25 | 18x150 | 100 |
| 17.123.1818 | 30 | 18x180 | 100 |
| 17.123.2510 | 25 | 25x100 | 100 |
| 17.123.2515 | 50 | 25x150 | 100 |
| 17.123.2520 | 60 | 25x200 | 50 |
| 17.123.3220 | 100 | 32x200 | 25 |
| 17.123.3820 | 150 | 38x200 | 25 |



Culture Tubes, Round Bottom, Amber

- Made from Boro Glass 5.1, Amber
- Printed in Matt finish white colour enamel
- Uniform Wall Thickness
- Leakproof
- Comes with PP Screw Cap and PTFE Liner

| Cat No. | Receiver Capacity, ml | Flask Capacity, ml | Pack Size |
|-------------|-----------------------|--------------------|-----------|
| 17.138.1210 | 5 | 12x100 | 100 |
| 17.138.1675 | 5 | 16x75 | 100 |
| 17.138.1610 | 10 | 16x100 | 100 |
| 17.138.1615 | 20 | 16x150 | 100 |
| 17.138.1815 | 25 | 18x150 | 100 |
| 17.138.1818 | 30 | 18x180 | 100 |
| 17.138.2515 | 50 | 25x150 | 100 |
| 17.138.2520 | 60 | 25x200 | 50 |
| 17.138.3220 | 100 | 32x200 | 25 |
| 17.138.3820 | 150 | 38x200 | 25 |



Test Tube - With Joint & Stopper, Plain

| Cat No. Glass Stopper | Length x Dia., mm | Socket Size | Capacity ml | Pack Size |
|-----------------------|-------------------|-------------|-------------|-----------|
| 17.120.1210 | 100 x 12 | 10/19 | 5 | 10 |
| 17.120.1512 | 125 x 15 | 12/21 | 10 | 10 |
| 17.120.1815 | 150 x 18 | 14/23 | 20 | 10 |
| 17.120.2515 | 150 x 25 | 19/26 | 25 | 10 |
| 17.120.2520 | 200 x 25 | 19/26 | 50 | 10 |
| 17.120.3220 | 200 x 32 | 24/29 | 100 | 10 |
| 17.120.3820 | 200 x 38 | 24/29 | 150 | 10 |



Test Tube - With Joint & Stopper, Graduated

| Cat No. Glass Stopper | Size, mm | Capacity, ml | Socket Size | Pack Size |
|-----------------------|----------|--------------|-------------|-----------|
| 17.124.0005 | 100x12 | 5 | 10/19 | 10 |
| 17.124.0010 | 125x16 | 10 | 12/21 | 10 |
| 17.124.0012 | 150x16 | 15 | 12/21 | 10 |
| 17.124.0013 | 150x18 | 20 | 14/23 | 10 |
| 17.124.0015 | 150x22 | 25 | 19/26 | 10 |
| 17.124.0020 | 200x25 | 50 | 19/26 | 10 |
| 17.124.0035 | 230x32 | 100 | 24/29 | 10 |



Centrifuge Tube, Conical Bottom, Plain

- Centrifuge tubes are thick-walled and resistant to mechanical stress

| Cat No. | Capacity, ml | Height x O.D., mm | Pack Size |
|-------------|--------------|-------------------|-----------|
| 17.146.0005 | 3 | 76x10 | 100 |
| 17.146.0010 | 5 | 100x13 | 100 |
| 17.146.0015 | 10 | 110x15 | 100 |
| 17.146.0020 | 12 | 110x16 | 100 |
| 17.146.0025 | 15 | 120x17 | 100 |
| 17.146.0030 | 25 | 125x22 | 50 |
| 17.146.0037 | 50 | 135x30 | 50 |



Centrifuge Tube, Conical Bottom, Graduated

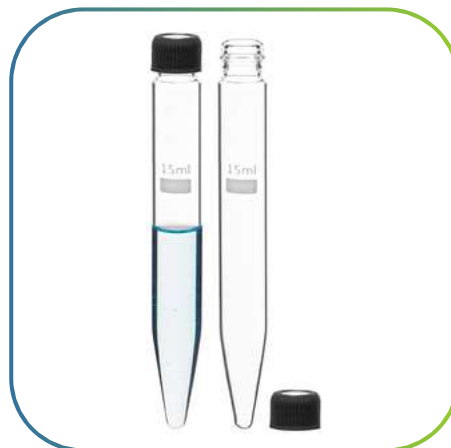
- Centrifuge tubes are thick-walled, resistant to mechanical stress

| Cat No. | Capacity, ml | Height x O.D., mm | Pack Size |
|-------------|--------------|-------------------|-----------|
| 17.150.0005 | 5 | 100x13 | 30 |
| 17.150.0010 | 10 | 110x15 | 30 |
| 17.150.0015 | 15 | 120x17 | 30 |
| 17.150.0020 | 25 | 125x22 | 20 |
| 17.150.0027 | 50 | 135x30 | 20 |



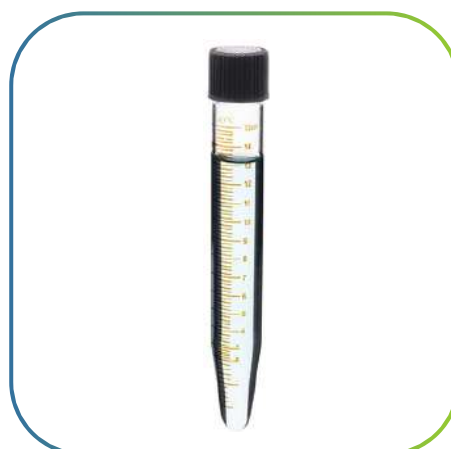
Centrifuge Tube, With Screw Cap, Plain

| Cat No. | Capacity, ml | Height x O.D., mm | Pack Size |
|-------------|--------------|-------------------|-----------|
| 17.154.0010 | 10 | 110x15 | 100 |
| 17.154.0015 | 15 | 120x17 | 100 |
| 17.154.0020 | 50 | 135x30 | 100 |



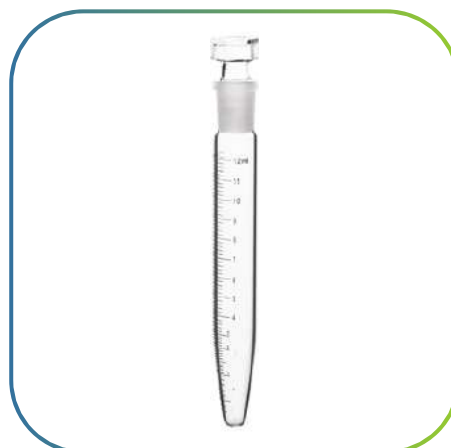
Centrifuge Tube, With Screw Cap, Graduated

| Cat No. | Capacity, ml | Height x O.D., mm | Pack Size |
|-------------|--------------|-------------------|-----------|
| 17.158.0010 | 10 | 110x15 | 100 |
| 17.158.0015 | 15 | 120x17 | 100 |
| 17.158.0020 | 50 | 135x30 | 100 |



Centrifuge Tube, Conical Bottom Graduated, With Interchangeable Stopper

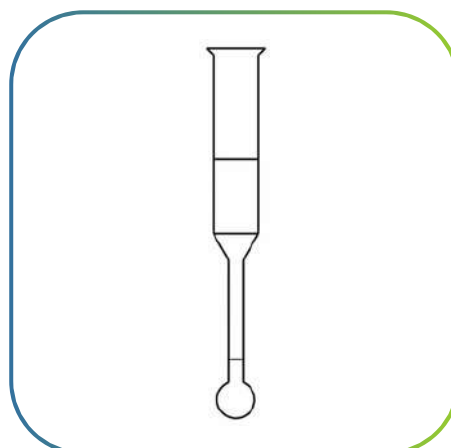
| Cat No. | Capacity, ml | Height x O.D., mm | Pack Size |
|-------------|--------------|-------------------|-----------|
| 17.166.0010 | 5 | 100x13 | 100 |
| 17.166.0015 | 12 | 110x16 | 100 |
| 17.166.0020 | 15 | 120x17 | 100 |
| 17.166.0025 | 25 | 125x22 | 50 |
| 17.166.0030 | 50 | 140x29 | 50 |



Blood Sugar Tubes, Folin Wu, as per I.S. 3740 : 1966, Capacity 25 ml., marked at 4 ml, 12.5 ml and 25 ml

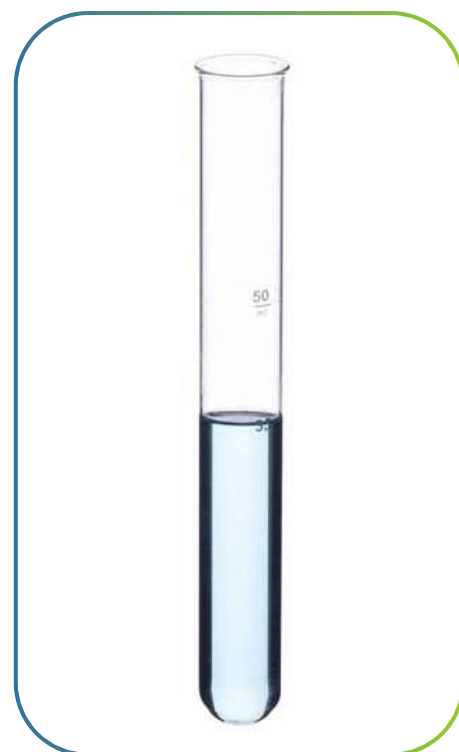
| Cat No. | Flask Capacity ml. | Pack Size |
|-------------|--------------------|-----------|
| 17.172.0025 | 25 | 20 |

Marked at 12.5 & 25ml



Tubes, Digestion, Folin-Wu, marked at 35 ml and 50 ml

| Cat No. | Size, mm | Pack Size |
|-------------|----------|-----------|
| 17.174.2520 | 200 x 25 | 20 |



Impinger, Graduated For Sampling Small Gas Volume As per Standard Specification

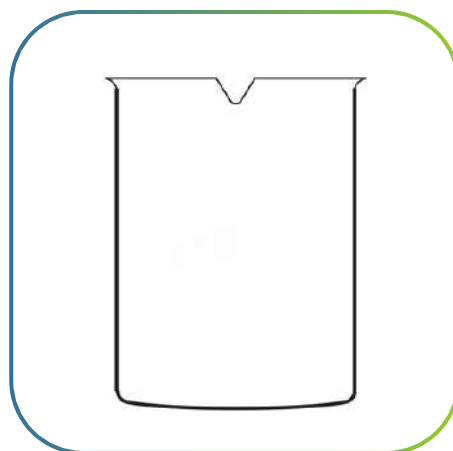
| Cat No. | Capacity, ml | Pack Size |
|-------------|--------------|-----------|
| 17.175.0035 | 35 | 10 |
| 17.175.0050 | 50 | 10 |
| 17.175.0080 | 80 | 10 |
| 17.175.0150 | 150 | 5 |
| 17.175.0225 | 225 | 5 |
| 17.175.0240 | 240 | 5 |
| 17.175.0275 | 275 | 5 |



Quartzware

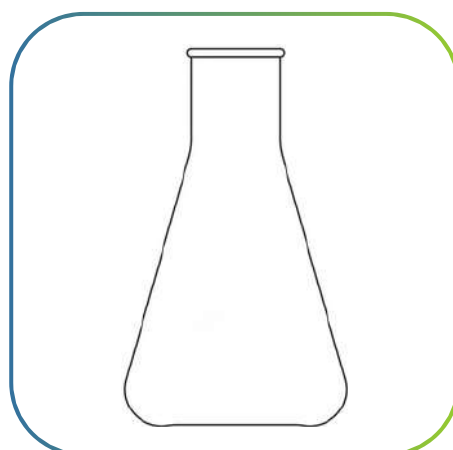
Beaker Low Form with Spout

| Cat No. | Capacity ml. | Pack Size |
|---------|--------------|-----------|
| CHQT1/1 | 25 | 2 |
| CHQT1/2 | 50 | 2 |
| CHQT1/3 | 100 | 2 |
| CHQT1/4 | 250 | 1 |
| CHQT1/5 | 500 | 1 |
| CHQT1/6 | 1000 | 1 |



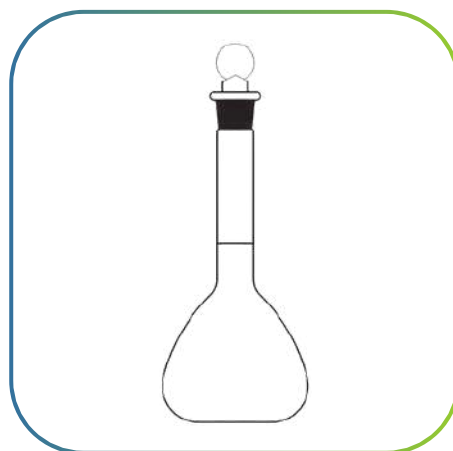
Conical Flask

| Cat No. | Capacity ml. | Pack Size |
|---------|--------------|-----------|
| CHQT4/1 | 25 | 2 |
| CHQT4/2 | 50 | 2 |
| CHQT4/3 | 100 | 1 |
| CHQT4/4 | 250 | 1 |
| CHQT4/5 | 500 | 1 |
| CHQT4/6 | 1000 | 1 |



Volumetric Flask With Stopper

| Cat No. | Capacity, ml | Socket | Pack Size |
|---------|--------------|--------|-----------|
| CHQT5/1 | 10 | 10/19 | 1 |
| CHQT5/2 | 25 | 10/19 | 1 |
| CHQT5/3 | 50 | 12/21 | 1 |
| CHQT5/4 | 100 | 14/23 | 1 |
| CHQT5/5 | 250 | 14/23 | 1 |
| CHQT5/6 | 500 | 19/26 | 1 |



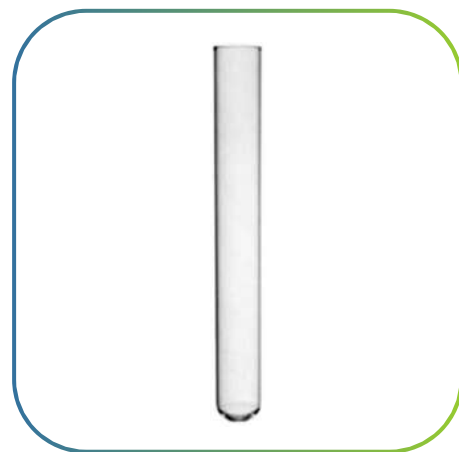
Reagent Bottle With Stopper

| Cat No. | Capacity, ml | Socket | Pack Size |
|---------|--------------|--------|-----------|
| CHQT6/1 | 50 | 14/23 | 1 |
| CHQT6/2 | 100 | 14/23 | 1 |
| CHQT6/3 | 250 | 19/26 | 1 |
| CHQT6/4 | 500 | 24/29 | 1 |
| CHQT6/5 | 1000 | 29/32 | 1 |



Test Tube With Rim

| Cat No. | Capacity ml (Approx.) | O.D. X Height mm (Approx.) | Pack Size |
|----------|-----------------------|----------------------------|-----------|
| CHQT9/1 | 3 | 10x75 | 5 |
| CHQT9/2 | 5 | 12x75 | 5 |
| CHQT9/3 | 8 | 12x100 | 5 |
| CHQT9/4 | 10 | 16x125 | 5 |
| CHQT9/5 | 15 | 16x150 | 5 |
| CHQT9/6 | 25 | 18x150 | 2 |
| CHQT9/7 | 35 | 25x100 | 2 |
| CHQT9/8 | 50 | 25x150 | 2 |
| CHQT9/9 | 175 | 25x200 | 2 |
| CHQT9/10 | 100 | 32x200 | 2 |
| CHQT9/11 | 175 | 40x200 | 2 |



Combustion Boat With Handle

| Cat No. | O.D. X Height mm (Approx.) | Pack Size |
|----------|----------------------------|-----------|
| CHQT10/1 | 16x49 | 2 |
| CHQT10/2 | 12x77 | 2 |
| CHQT10/3 | 18x77 | 2 |
| CHQT10/4 | 22x77 | 2 |
| CHQT10/5 | 22x100 | 2 |



Crucible Without Lid

| Cat No. | Capacity ml (Approx.) | O.D. X Height mm (Approx.) | Pack Size |
|----------|-----------------------|----------------------------|-----------|
| CHQT11/1 | 15 | 40x26 | 5 |
| CHQT11/2 | 25 | 47x30 | 5 |
| CHQT11/3 | 50 | 57x35 | 5 |
| CHQT11/4 | 80 | 69x45 | 5 |
| CHQT11/5 | 150 | 80x54 | 5 |



Lid For Crucible

| Cat No. | Capacity ml (Approx.) | Pack Size |
|----------|-----------------------|-----------|
| CHQT12/1 | 15 | 5 |
| CHQT12/2 | 25 | 5 |
| CHQT12/3 | 50 | 5 |
| CHQT12/4 | 80 | 5 |
| CHQT12/5 | 150 | 5 |



Porcelain & Silicaware

Mortar & Pestle, Porcelain

• Centrifuge tubes are thick-walled and resistant to mechanical stress

| Cat No. | Inside Dia., mm | Capacity, ml | Pack Size |
|-----------|-----------------|--------------|-----------|
| CH11605/1 | 60 | 60 | 1 |
| CH11605/2 | 75 | 100 | 1 |
| CH11605/3 | 85 | 150 | 1 |
| CH11605/4 | 100 | 275 | 1 |
| CH11605/5 | 125 | 550 | 1 |
| CH11605/6 | 150 | 900 | 1 |
| CH11605/7 | 175 | 1500 | 1 |
| CH11605/8 | 200 | 2000 | 1 |



Mortar & Pestle, Agate

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

| Cat No. | O.D., mm | I.D., mm | Ht., mm | Pack Size |
|------------|----------|----------|---------|-----------|
| CH11610/2 | 28 | 23 | 20 | 1 |
| CH11610/3 | 40 | 31 | 27 | 1 |
| CH11610/4 | 50 | 40 | 30 | 1 |
| CH11610/5 | 60 | 57 | 33 | 1 |
| CH11610/6 | 78 | 65 | 39 | 1 |
| CH11610/7 | 100 | 87 | 44 | 1 |
| CH11610/8 | 115 | 100 | 51 | 1 |
| CH11610/9 | 125 | 111 | 61 | 1 |
| CH11610/10 | 150 | 134 | 63 | 1 |



Mortar & Pestle, Agate, Black

| Cat No. | O.D., mm | I.D., mm | Ht., mm | Pack Size |
|-----------|----------|----------|---------|-----------|
| CH11611/1 | 50 | 40 | 30 | 1 |
| CH11611/2 | 60 | 57 | 33 | 1 |
| CH11611/3 | 75 | 65 | 39 | 1 |
| CH11611/4 | 100 | 87 | 44 | 1 |
| CH11611/5 | 115 | 100 | 51 | 1 |
| CH11611/6 | 125 | 111 | 61 | 1 |
| CH11611/7 | 150 | 134 | 63 | 1 |



Basins Evaporating

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

| Cat No. | Dia., mm | Capacity, ml | Pack Size |
|------------|----------|--------------|-----------|
| CH10110/3 | 50 | 20 | 1 |
| CH10110/5 | 75 | 100 | 1 |
| CH10110/7 | 100 | 175 | 1 |
| CH10110/9 | 125 | 450 | 1 |
| CH10110/11 | 150 | 850 | 1 |
| CH10110/13 | 200 | 1700 | 1 |



Combustion Boat, Porcelain

- Glazed /unglazed max
- use temp. 1150° C

| Cat No. | Length, mm | Pack Size |
|-----------|------------|-----------|
| CH10742/1 | 90 | 10 |
| CH10742/3 | 80 | 10 |
| CH10742/5 | 86 | 10 |
| CH10742/7 | 100 | 10 |



Funnel, Buchner

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

| Cat No. | Dia., mm | Pack Size |
|------------|----------|-----------|
| CH11108/1 | 35 | 1 |
| CH11108/2 | 50 | 1 |
| CH11108/4 | 60 | 1 |
| CH11108/5 | 75 | 1 |
| CH11108/6 | 100 | 1 |
| CH11108/7 | 125 | 1 |
| CH11108/8 | 150 | 1 |
| CH11108/9 | 200 | 1 |
| CH11108/9A | 250 | 1 |
| CH11108/10 | 300 | 1 |



Crucible With Lid, Silica

| Cat No. | Capacity ml. | Pack Size |
|----------|--------------|-----------|
| CHSIL1/1 | 15 | 1 |
| CHSIL1/2 | 25 | 1 |
| CHSIL1/3 | 50 | 1 |
| CHSIL1/4 | 100 | 1 |
| CHSIL1/5 | 80 | 1 |
| CHSIL1/6 | 150 | 1 |



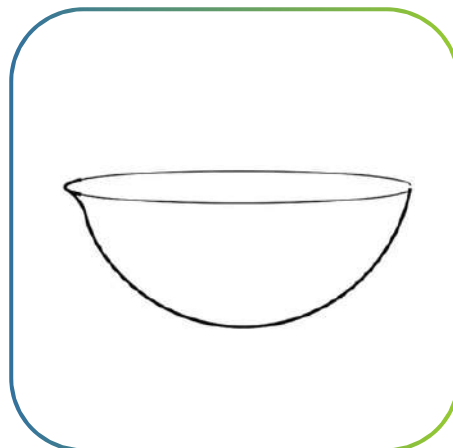
Crucible Without Lid, Silica

| Cat No. | Capacity ml. | Pack Size |
|----------|--------------|-----------|
| CHSIL2/1 | 15 | 1 |
| CHSIL2/2 | 25 | 1 |
| CHSIL2/3 | 50 | 1 |
| CHSIL2/4 | 100 | 1 |
| CHSIL2/5 | 80 | 1 |
| CHSIL2/6 | 150 | 1 |



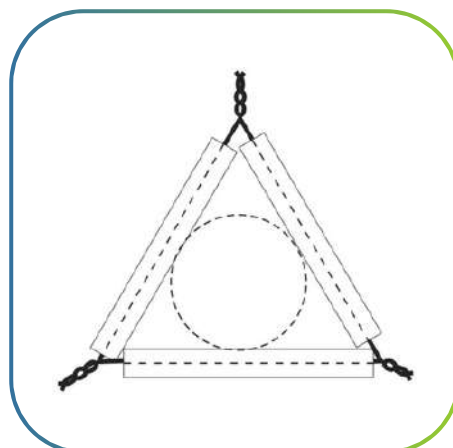
Basin Round Bottom, With Spout, Translucent, Silica

| Cat No. | Capacity, ml | Dia x Ht. Approx. | Pack Size |
|----------|--------------|-------------------|-----------|
| CHSIL3/1 | 20 | 55x23 | 1 |
| CHSIL3/2 | 45 | 75x27 | 1 |
| CHSIL3/3 | 70 | 87x33 | 1 |
| CHSIL3/4 | 85 | 94x36 | 1 |
| CHSIL3/5 | 100 | 100x45 | 1 |
| CHSIL3/6 | 200 | 113x47 | 1 |



Silica Triangle on Nichrome

| Cat No. | Capacity ml. | Pack Size |
|----------|--------------|-----------|
| CHSIL4/1 | 15 | 1 |
| CHSIL4/2 | 25 | 1 |
| CHSIL4/3 | 50 | 1 |
| CHSIL4/4 | 80 | 1 |
| CHSIL4/5 | 100 | 1 |



Distillation Stills

Water Still

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

Features:

- Water still features high quality borosilicate glass boiler and condenser with PTFE stopcock for easy cleaning
- All plumbing connections through thread connectors
- Chrome plated heating element fitted with a thermostat
- Features a powder coated metal stand for either wall or bench mounting

Technical Specifications:

- Distilled Water Output: 4 L/Hr
- Power Rating: 3 kW
- Input voltage: 220 V AC \pm 10%, 50-60 Hz

| Cat No. | Pack Size |
|---------|-----------|
| CH14030 | 1 |



Mono Quartz Distillation Units

• Mono quartz distillers being very compact and the construction material being high purity quartz, it meets the standard of the analytical laboratory where purity of distilled water free from metallic ions and bacteria is criteria

Construction

• The boiler is made of high purity quartz and the condenser is of borosilicate/quartz material. The built in heater provides minimum loss of heat and production of distilled water in 2-3 minutes. The unit is mounted on a powder coated metal stand with electrical connections and is easy to dismantle and assemble the unit. Fibre glass insulated wire and silicone rubber boot resists high temperatures

Features:

- Quartz boiler
- Condenser is available in borosilicate and quartz material
- Distilled water output in 2-3 minutes
- Pyrogen free, free of heavy metals
- Efficient borosilicate/quartz coil condenser
- Can be easily converted to bi-distillation apparatus
- Powder coated stand for rust free operation
- Safety cut off device is optional

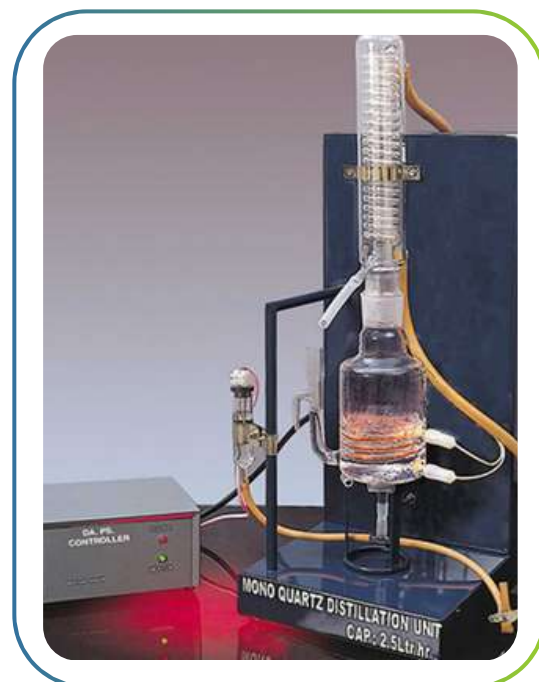
Distillate Quality

- Conductivity:
 - < 3.0 μ S/cm with Borosilicate Condenser
 - < 2.0 μ S/cm with Quartz Condenser
- Distillate Temperature: 30 to 45 °C
- Distilled Water Quality: Pyrogen Free

| Cat No. | Condenser Material | Distilled Water Output, L/Hr | Cooling Water Consumption, L/Hr | Power Rating, kW |
|--------------|--------------------|------------------------------|---------------------------------|------------------|
| CH14042-25B | Borosilicate | 2.5 | 40 | 2.0 |
| CH14042-25Q | Quartz | 2.5 | 40 | 2.0 |
| CH14042-50B | Borosilicate | 5.0 | 65 | 4.4 |
| CH14042-50Q | Quartz | 5.0 | 65 | 4.4 |
| CH14042-100B | Borosilicate | 10.0 | 120 | 9.0* |
| CH14042-100Q | Quartz | 10.0 | 120 | 9.0* |

* Indicates 3 Phase connection

SAFETY CUT OFF DEVICE IS OPTIONAL



Safety cut off Device

| Cat No. | Capacity | Description |
|---------------|---------------|--|
| CH14042-SCU-1 | 2 ltr/hr | Digital Safety Control Unit with Alarm |
| CH14042-SCU-2 | 5 & 10 ltr/hr | Digital Safety Control Unit with Alarm |

Double Quartz Distillation Units

• Quartz distillation units are manufactured from imported fused quartz tubes. The exceptionally high chemical purity and very low solubility of this material enables the production of very high- performance system. The greatest possible attention has been taken for technical performance, simplicity of use and efficiency

Construction

• The unit consist of a primary boiler with built-in heater enclosed in a quartz boiler. Upper boiler has a built-in quartz coil and condensing unit which is mounted on the boiler. Double wall condenser ensures separate condensation of vapor coming from the two boilers using a single cooling circuit

Features:

- Quartz boiler
- Quartz condenser
- Distilled water output in 2-3 minutes
- Pyrogen free, free of heavy metals
- Powder coated stand for rust free operation
- Safety cut off device is included

Distillate Quality

- Conductivity: < 1.0 $\mu\text{S}/\text{cm}$
- Distillate Temperature: 65 to 75°C
- Distilled Water Quality: Pyrogen Free

| Cat No. | Distilled Water Output, L/Hr | Cooling Water Consumption, L/Hr | Total Power Rating, kW |
|--------------|------------------------------|---------------------------------|------------------------|
| CH14042-25B | 10/19 | 5 | 3.0 |
| CH14042-25Q | 12/21 | 10 | 4.4 |
| CH14042-50B | 14/23 | 20 | 7.0* |
| CH14042-50Q | 19/26 | 25 | 8.0* |
| CH14042-100B | 19/26 | 50 | 9.0* |

* Indicates 3 Phase connection



Borosilicate Distillation Units

• Borosilicate glass distillation units continue to be the most effective, economic method of producing ultra-pure water for laboratory use. By contrast deioniser are only effective in removing those substances which are ionized. Further the resins contribute organic impurities to water and an ideal environment for bacterial growth in course of time

- These distillation units are designed to produce a distillate of consistent purity. The unit consists of horizontal borosilicate boilers, condensers, and quartz heater. All parts are replaceable
- The newly developed quartz heater is advantageous than chromium plated heaters. Chromium plated heaters react with acids during cleaning process. Quartz heaters do not react with acids or water during cleaning or at elevated temperature unlike metallic ones. Quartz heaters are easy to assemble and dismantle, unlike metallic ones which are bulky

Features:

- Compact, simple to use
- Economical and ideal for colleges and general laboratory use
- Borosilicate boiler, borosilicate condenser and quartz heater
- Powder coated stand for rust free operation
- Provision for easy cleaning of boiler
- Input voltage: 220 V AC \pm 10%, 50-60 Hz

Distillate Quality

- Conductivity: < 3.0 $\mu\text{S}/\text{cm}$
- Distilled Water Quality: Pyrogen Free

| Cat No. | Distilled Water Output, L/Hr | Stage | Cooling Water Consumption, L/Hr | Total Power Rating, kW |
|-------------|------------------------------|--------------|---------------------------------|------------------------|
| CH14031-20S | 2.0 | Single Stage | 50 | 1.5 |
| CH14031-40S | 4.0 | Single Stage | 60 | 3.0 |
| CH14031-20D | 2.0 | Double Stage | 120 | 3.0 |
| CH14031-40D | 4.0 | Double Stage | 150 | 6.0 |



Automatic Water Distillation (Cabinet Model)

Features:

- Compact and user friendly
- For use in research laboratories, hospitals etc
- Borosilicate boiler, borosilicate condenser and quartz heater
- Safety features:
 - Equipment will shut off in case of cooling water failure
 - Equipment will shut off in case water level in the boiler falls below the heater
- Replaceable quartz heater
- Replaceable side overflow for easy draining and cleaning of boiling chamber
- Input voltage: 220 V AC \pm 10%, 50-60 Hz

Distillate Quality

- Conductivity: < 3.0 μ S/cm
- Distilled Water Quality: Pyrogen Free

| Cat No. | Distilled Water Output, L/Hr | Stage | Cooling Water Consumption, L/Hr | Total Power Rating, kW |
|-----------|------------------------------|--------------|---------------------------------|------------------------|
| CH14032/1 | 2 | Single Stage | 1.5 | 1.5 |
| CH14032/2 | 4 | Single Stage | 2.5 | 3.0 |
| CH14032/3 | 2 | Double Stage | 1.5 | 1.5 |
| CH14032/4 | 4 | Double Stage | 2.5 | 3.0 |





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