

BURETTES

BURETTE, ACRYLIC

Unbreakable, transparent burette, fitted with P.T.F.E. stopcock.

	Capacity, ml	Subdivision, ml
CB4105/2	25	0.1
CB4105/4	50	0.1

BURETTE

Neutral glass., with pinch clip, rubber tubing and glass jet.

	Capacity, ml	Subdivision, ml
CB4155/1	25	0.1
CB4155/3	50	0.1
CB4155/5	100	0.2

BURETTE

Neutral glass, with straight bore leak proof glass stopcock

	Capacity, ml	Subdivision, ml
CB4255/1	25	0.1
CB4255/3	50	0.1
CB4255/5	100	0.2

BURETTE

Borosilicate glass, with straight bore leak proof stopcock.

Capacity, ml	Class 'B'	Class 'A'
10 x 0.05	CB4303/1	CB4403/1
25 x 0.1	CB4303/2	CB4403/2
50 x 0.1	CB4303/3	CB4403/3
100 x 0.2	CB4303/4	CB4403/4

BURETTE

Borosilicate glass with P.T.F.E. stopcock, class 'B' accuracy.

	Capacity, ml	Subdivision, ml
CB4453/1	10	0.05
CB4453/3	25	0.1
CB4453/5	50	0.1
CB4453/7	100	0.2

BURETTE, ROTAFLOW

Borosilicate glass with P.T.F.E. stopcock, class 'B' accuracy.

	Capacity, ml	Subdivision, ml
CB4503/1	10	0.05
CB4503/3	25	0.1
CB4503/5	50	0.1
CB4503/7	100	0.2

BURETTE, AUTOMATIC ZERO

With overflow cup and 3-way stopcock.

	Capacity, ml	Subdivision, ml
CB4555/1	10	0.05
CB4555/3	20	0.1
CB4555/5	25	0.1

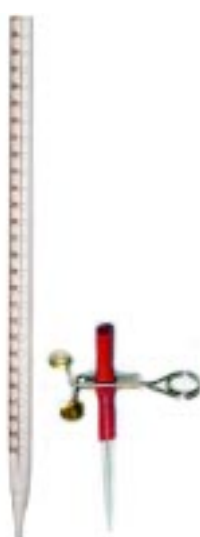
BURETTE, AUTOMATIC ZERO

Mounted on reservoir.

	Capacity, ml	Subdivision, ml
CB4570/1	10	0.05
CB4570/3	25	0.1
CB4570/5	50	0.1
CB4570/7	100	0.2



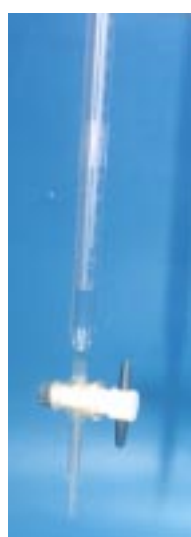
CB4105



CB4155



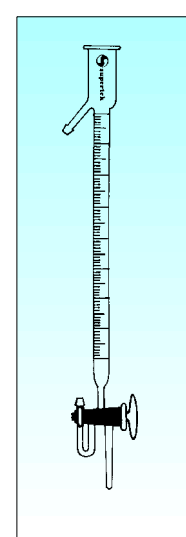
CB4303



CB4453



CB4503



CB4555



CB4570



CB5011



CB5031



CB5024



CB5041



CB5105



CB5111



CB5117

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.

CB5011/1	for one burette
CB5011/2	for two burettes

BURETTE CLAMP

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

CB5024/1	for one burette
CB5024/2	for two burettes

BURETTE STAND

Cork lined wooden clamp with plastic screw, base with four rubber feet, rod fitted with plastic socket with thread which fits into the base, polished.

CB5031	for one burette
CB5041	for two burettes

BURETTE AND FUNNEL STAND

As above but can hold one burette and one funnel.

CB5051

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.

CB5105/1	for use with bottled gas.
CB5105/3	for use with natural gas.
CB5105/5	for use with coal gas.

BUNSEN BURNER

Nickel plated burner tube 100 x 12 mm with stabilizer top, rotatable air regulator, produces smooth, well regulated and hot flame. Die pressed steel stove enamelled base of 80 mm diam. for exceptional stability. Overall height 125 mm.

CB5111/1	for use with bottled gas.
CB5111/3	for use with natural gas
CB5111/5	for use with coal gas

BUNSEN BURNER, WITH STOPCOCK

As CB5105 but fitted with a stopcock in the inlet tube to control flow of gas.

CB5117/1	for use with bottled gas.
CB5117/3	for use with natural gas
CB5117/5	for use with coal gas

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 E.MAIL : shivsons@vsnl.com
 Website: www.shivsons.com

BUNSEN BURNER, SEMI-MICRO

Nickel plated burner tube 60 x 10 mm with collar air regulator, on stove enamelled pressed steel base 80 mm diam.

- CB5121/1** for use with bottled gas.
- CB5121/3** for use with natural gas.

BUNSEN BURNER, MULTIGAS

For use with coal gas, methane, butane, propane or a mixture of these gases. Nickel plated burner tube of 120 x 13 mm, with screwed air regulator, gas control needle valve, adjustable baffle and riffled gas inlet tube, overall height 150 mm.

- CB5131**

MEKER BURNER

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 pressed metal base of 80 mm diam. With riffled gas inlet, overall height 150 mm.

- CB5151/1** for use with bottled gas.
- CB5151/3** for use with natural gas.
- CB5151/5** for use with coal gas.

MEKER BURNER

With perforated plate of 43 mm dia., overall height 180 mm, for higher temperatures.

- CB5157/1** for use with bottled gas.
- CB5157/3** for use with natural gas.
- CB5157/5** for use with coal gas.

TECLU BURNER

Gives a very hot flame. Heavy gauge nickel plated brass tube of 12 mm diam. with air regulating disc, jet, inlet tube and gas control needle valve, on heavy die pressed metal base.

- CB5172/1** for use with bottled gas.
- CB5172/3** for use with natural gas.

FLAME SPREADER

For burner top, width 50 mm, for flat wide flame for glass working, paint stripping etc.

- CB5180**

BURNER, METHYLATED SPIRIT

Glass, with cap, wick and metal wick holder.

- CB5328/1** 60 ml
- CB5328/3** 125 ml

BURNER, METHYLATED SPIRIT

Metal, complete with wick, wick holder and cap.

- CB5336/1** Aluminium 60 ml
- CB5336/3** Aluminium 125 ml
- CB5336/5** Brass 60 ml
- CB5336/7** Brass 125 ml



CB5121



CB5131



CB5151



CB5157



CB5172



CB5180



CB5328



CB5336

CENTRIFUGES

CENTRIFUGE, HAND

Removable crank handle and head, for bench mounting, supplied complete with aluminium buckets for 15 ml glass tubes.

CC1052	Cast metal body	for 2 tubes
CC1057	Cast metal body	for 4 tubes
CC1062	Moulded ABS body	for 2 tubes
CC1067	Moulded ABS body	for 4 tubes

CENTRIFUGE, ELECTRICAL

Safe, easy to use, has a heavy spun aluminium guard bowl and cover which completely encloses the head. Motor and controls are housed below the bowl for safety. The internal and external surfaces are finished with a smooth easily cleaned stove enamelled paint. Motor is supported on flexible rubber mounting which makes critical balancing of the tubes unnecessary. Provided with 5 speed control switch. Max speed 3500 rpm. Works on 220 V, 50 Hz.

CC1122	Complete with 4 x 15 ml swing-out head with 4 metal buckets and 4 glass tubes.
CC1125	Complete with 6 x 15 ml swing-out head with 6 metal buckets and 6 glass tubes.



CC1057



CC1067



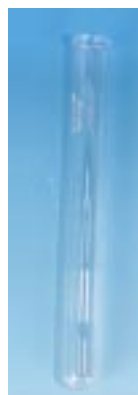
CC1234



CC1122



CC1303



CC1307

CENTRIFUGE, LABORATORY

- Adjustable speed, max. 5000 rpm.
- Head and motor completely enclosed

This is a versatile centrifuge most suitable for doctors, pathological laboratories and other users. A wide range of rotors and other accessories make this centrifuge ideal for most applications. The features include solid state speed controller, indicator lamp, see-through acrylic lid. Supplied without head. Works on 220 V, 50 Hz.

CC1228

CC1230 CC1228 but fitted with 0-60 minute timer.

CC1232 CC1228 but fitted with speed meter.

CC1234 CC1228 but fitted with speed meter and 0-60 minute timer.

HEAD FOR LABORATORY CENTRIFUGE

complete with metal buckets and glass tubes.

CC1247 8 x 15 ml swing-out head

CC1250 4 x 50 ml swing-out head

CC1253 8 x 15 ml angle head

CC1256 4 x 50 ml angle head

CENTRIFUGE TUBE

Glass, capacity 15 ml

CC1303 Conical bottom

CC1307 Round bottom



CC1250



CC1253

**HEMATOCRITE CENTRIFUGES
ALSO AVAILABLE**

CHARCOAL BLOCK

Compressed, for blow pipe work, rectangular blocks, size 100 x 25 x 25 mm, pack of 12.

CC1401

CHARCOAL BORER

Mounted on wooden handle.

CC1404

CORK BORER

Chrome plated brass, various size tubes, each with cutting edge at bottom and handle at top, with cleaning rod.

CC1411 Set of 6 borers, 4-12 mm.

CC1413 Set of 12 borers, 4-19 mm.

CORK BORER SHARPENER

Plated metal cone with hinged cutter blade set in slot, with wooden handle.

CC1420

CORK BORING MACHINE

For boring straight and uniform holes in cork or rubber stoppers. Cast iron frame with platform to support stopper, 4 holes for fixing to bench top. Complete with a set of 12 nickel plated steel borers, cutting sizes from 7 mm to 25 mm.

CC1422

CORK PRESS

Cast iron, painted, mounted on polished wooden base, for softening corks. To accommodate corks upto 32 mm diam.

CC1425

CHROMATOGRAPHY COLUMN

Borosilicate glass with interchangeable joints. Apparatus consists of :-

Flask, with side arm 100 ml, socket 19/26.

Column, 300 mm, with sinter disc and stopcock, socket 14/23, cone 19/26;

Reservoir, socket 14/23, cone 14/23;

Adaptor

Tamping Rod

4 Springs

CC1570

CHROMATOGRAPHY COLUMN

With rotaflow stopcock and sinter disc. Length x diam.

300 x 20 mm, socket size 19/26

CC1575

CLIP, MOHR

For use with tubes upto 11 mm outer diameter.

CC1605/1 Plated metal

CC1605/3 Plated brass

CLIP, HOFFMAN

Screwed, hinged side bar, for use with tubes upto 20 mm outer diameter.

CC1610/1 Plated metal

CC1610/3 Plated brass



CC1404



CC1413



CC1411



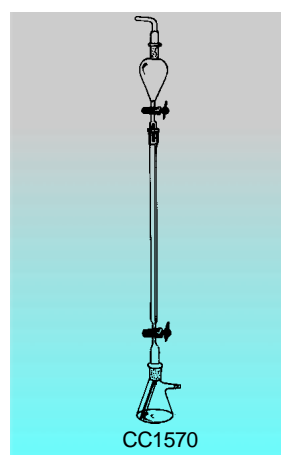
CC1420



CC1422



CC1425



CC1570



CC1575



CC1605



CC1610

COMBUSTION BOAT, PORCELAIN

With handle, 90 x 15 x 10 mm (length x width x height)

CC1620

CONDENSERS**CONDENSER, LIEBIG**

Borosilicate glass, inner tube fused into outer jacket.

Effective length, mm

CC1700/1	200
CC1700/2	250
CC1700/3	300
CC1700/5	400
CC1700/6	450
CC1700/7	500

CONDENSER, ALLIHN'S

Borosilicate glass, with bulbs.

Effective length, mm

CC1715/1	200
CC1715/3	300
CC1715/5	400
CC1715/7	500

CONDENSER, GRAHAM, SPIRAL FORM

Borosilicate glass

Effective length, mm

CC1725/1	200
CC1725/3	300
CC1725/5	400
CC1725/7	500

CONDENSER, THORPE

Borosilicate glass, Inland Revenue pattern, effective length 200 mm.

CC1732

CONDENSER, DAVIES, DOUBLE SURFACE

Borosilicate glass, effective length 200 mm.

CC1740



CC1620



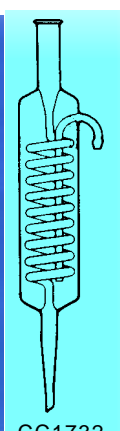
CC1700



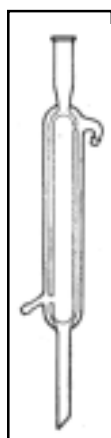
CC1715



CC1725



CC1732



CC1740

CRUCIBLES**CRUCIBLE GOOCH,**

Porcelain, tall form, fixed perforated bottom, all glazed except outer bottom.

Diam., mm Ht., mm Capacity, ml

CC1805/1	32	26	15
CC1805/3	37	38	20
CC1805/5	40	45	30
CC1805/7	53	49	50

CRUCIBLE, SQUAT

Porcelain, glazed inside and outside, complete with lid.

Diam., mm Ht., mm Capacity, ml

CC1807/1	41	20	10
CC1807/3	42	25	15
CC1807/5	43	28	18
CC1807/7	48	30	25
CC1807/9	60	37	50
CC1807/11	67	42	80
CC1807/13	82	44	100
CC1807/15	92	52	150
CC1807/17	108	58	200
CC1807/18	118	67	250
CC1807/19	119	85	500

CRUCIBLE, TALL FORM

Porcelain, glazed inside and outside, complete with lid.

Diam., mm Ht., mm Capacity, ml

CC1821/1	31	25	10
CC1821/3	37	38	20
CC1821/5	45	38	30
CC1821/7	53	49	50
CC1821/9	75	61	100

**GLASSWARE WITH
INTERCHANGEABLE
STANDARD JOINTS
ON PAGE 34**



CC1805



CC1807



CC1821

CRUCIBLE, MICRO, PORCELAIN

Squat form, glazed, with lid.

	Diam., mm	Ht., mm	Capacity, ml
CC1831/2	18	12	1
CC1831/4	23	15	3
CC1831/6	30	18	5
CC1831/8	30	20	6
CC1831/9	33	20	8

CRUCIBLE, SILICA, QUARTZ, SQUAT

Translucent, complete with lid.

	Diam., mm	Ht., mm	Capacity, ml
CC1851/1	19	29	5
CC1851/3	19	38	10
CC1851/5	25	41	15
CC1851/7	28	47	25
CC1851/9	37	57	50

CRUCIBLE, SILICA, QUARTZ, TALL

Translucent, complete with lid.

	Diam., mm	Ht., mm	Capacity, ml
CC1861/1	32	27	10
CC1861/3	33	32	15
CC1861/5	38	35	20
CC1861/7	39	43	30
CC1861/9	51	51	50

CRUCIBLE, PURE NICKEL

Polished, complete with lid.

	Capacity, ml
CC1873/1	15
CC1873/3	25
CC1873/5	50

**SILICA QUARTZ CRUCIBLES
AND LIDS AVAILABLE
SEPARATELY**



CC1831 CC1861 CC1851



CC1873

CYLINDERS

CYLINDER, MEASURING

Glass, with spout, graduated.

	Capacity, ml	Subdivision, ml
CC2001/1	10	0.2
CC2001/2	25	0.5
CC2001/3	50	1
CC2001/4	100	1
CC2001/5	250	2
CC2001/6	500	5
CC2001/7	1000	10
CC2001/8	2000	20

CYLINDER, MEASURING

Borosilicate glass, with spout and glass base, accuracy class B.

	Capacity, ml	Subdivision, ml
CC2011/1	5	0.1
CC2011/2	10	0.2
CC2011/3	25	0.5
CC2011/4	50	1
CC2011/5	100	1
CC2011/6	250	2
CC2011/7	500	5
CC2011/8	1000	10
CC2011/9	2000	20

CYLINDER, MEASURING

Borosilicate glass, with spout, class B, with detachable plastic base.

	Capacity, ml	Subdivision, ml
CC2015/2	10	0.2
CC2015/3	25	0.5
CC2015/4	50	1
CC2015/5	100	1



CC2001

CC2011



CC2015

CYLINDER, MEASURING

With spout, polythene.

	Capacity, ml
CC2017/1	5
CC2017/2	10
CC2017/3	25
CC2017/4	50
CC2017/5	100
CC2017/6	250
CC2017/7	500
CC2017/8	1000
CC2017/9	2000

CYLINDER, MEASURING

With spout, TPX, transparent plastic, rigid,

	Capacity, ml
CC2022/1	10
CC2022/2	25
CC2022/3	50
CC2022/4	100
CC2022/5	250
CC2022/6	500
CC2022/7	1000

CYLINDER PROTECTOR

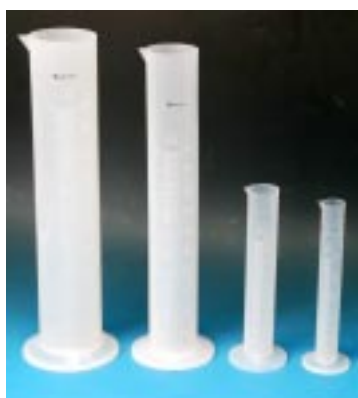
Sponge rubber, hexagonal shape, to prevent rolling of cylinder.

CC2035/1	for cylinder of 100 ml capacity
CC2035/3	for cylinder of 250 ml capacity

CYLINDER, NESSLER

Borosilicate glass, made from selected tubing.

	Capacity, ml	Graduation
CC2040/1	50	50
CC2040/3	100	50 & 100

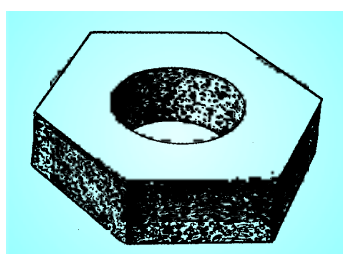


CC2017

CC2022



CC2040



CC2035



CD1051



CD1053

DEFLAGRATING SPOON

Die pressed steel spoon, 20 mm diam., welded with rod. Complete with cover of 90 mm diam having cork in centre for holding the rod.

CC2051

COMBUSTION SPOON, NUFFIELD

Made of stainless steel wire, 200 mm length, for use in test tube 150 x 25 mm.

CC2055

DESSICATOR**DESSICATOR**

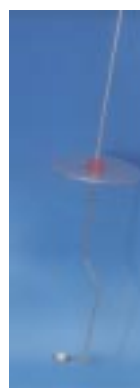
Glass, with ground glass cover having knob at top.

	Diam., mm
CD1051/1	100
CD1051/3	125
CD1051/5	150
CD1051/7	200
CD1051/9	250

DESSICATOR, VACUUM

Glass, ground glass cover fitted with stopcock.

	Diam., mm
CD1053/5	150
CD1053/7	200
CD1053/9	250



CC2051



CC2055

ALL BOROSILICATE GLASS DESSICATORS HAVE INTERCHANGEABLE COVERS AND BODIES FOR SAME SIZE.

DESSICATOR,

Borosilicate glass, with cover

Diam., mm

CD1071/1	110
CD1071/3	160
CD1071/7	200
CD1071/8	250



CD1071



CD1075

DESSICATOR, VACUUM

Borosilicate glass, 160 mm diam.

CD1075

DEVAR FLASK, DOMESTIC TYPE

Cylindrical shape, wide mouth silvered glass vessel in plastic container with screw stopper & moulded cap.

Capacity, ml

CD1080/1	450
CD1080/3	1000



CD1080



CD1105

DISHES

DISH, CRYSTALLIZING

Borosilicate glass.

O.D., mm Ht., mm

CD1105/1	100	50
CD1105/3	150	75
CD1105/5	190	100



CD1124

CD1127

PETRI DISH

Glass, fused edges, complete with cover.

Diam., mm

CD1121/1	50
CD1121/2	75
CD1121/3	90
CD1121/4	100
CD1121/5	125

PETRI DISH,

Borosilicate glass, withstands repeated sterilization, complete with cover.

Diam., mm Ht., mm

CD1124/1	50	17
CD1124/3	80	17
CD1124/5	100	17
CD1124/7	150	20
CD1124/9	200	20



CD1130

PETRI DISH, WITH COVER

Disposable, clear polystyrene, supplied in sterilized pack.

Diam., mm

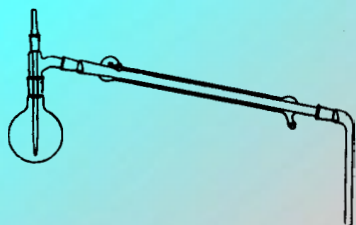
CD1127/1	55
CD1127/2	90

STERILISING BOX FOR PETRI DISHES

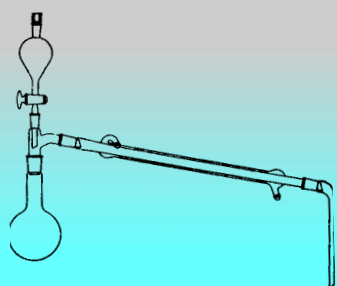
For holding 12 pairs dishes upto 100 mm diam., for autoclaving. Cylindrical can with lid and internal removable carrier. Made of stainless steel.

CD1130

**Microscope
PREPARED SLIDES
AVAILABLE**



CD1150



CD1160



CD1180



CD1207



CD1215



CE1117



CE1125

DISTILLATION APPARATUS

DISTILLATION APPARATUS

With ground glass standard interchangeable joints. Borosilicate glass. Consisting of round bottom flask with 24/29 socket, still head with 24/29 and 19/26 cones, condenser with 19/26 socket & cone, and receiver adapter with 19/26 socket.

CD1150/1	Flask capacity 1 litre, condenser 200 mm
CD1150/3	Flask capacity 2 litres, condenser 400 mm
CD1150/5	Flask capacity 3 litres, condenser 450 mm

DISTILLATION APPARATUS

With ground glass standard interchangeable joints. Borosilicate glass. Comprises round bottom flask with 24/29 socket, still head with 24/29 & 19/26 cones and 19/26 socket, condenser with 19/26 socket and cone, receiver with 19/26 socket, separating funnel 100 ml with 19/26 cone.

CD1160/1	Flask capacity 1 litre, condenser 300 mm
CD1160/3	Flask capacity 2 litres, condenser 400 mm
CD1160/5	Flask capacity 3 litres, condenser 450 mm
CD1160/7	Flask capacity 5 litres, condenser 600 mm

DISTILLATION APPARATUS, VERTICAL TYPE

Borosilicate glass. Consists of double walled condenser, with standard interchangeable ground joints.

Capacity litre	Single stage	Double stage
1	CD1170/1	CD1180/1
2	CD1170/3	CD1180/3
3	CD1170/5	CD1180/5
4	CD1170/7	CD1180/7
5	CD1170/9	CD1180/9

DISTILLATION COLUMN, FRACTIONATING, YOUNG'S

Borosilicate glass, pear shaped bulbs, with side tube.

	No. of bulbs
CD1207/3	8
CD1207/5	12

DISTILLATION COLUMN, FRACTIONATING

Borosilicate glass, rod and disc type, with side tube,

	No. of discs
CD1215/3	15
CD1215/5	20

ELECTRO-CHEMISTRY

ELECTROLYSIS CELL

Open ended glass tube, 75 x 25 mm fitted with 2 carbon electrodes through a rubber cork, separated by a plastic sheet, complete with two collecting tubes of size 75 x 10 mm

CE1117

ELECTRODE ROD HOLDERS

Plastic strip 75 x 25 x 8 mm, with two 6.5 mm holes, fitted with two knurled head screws. Supplied complete with 2 crocodile clips and two 300 mm long PVC covered wires.

CE1125