

PNEUMATIC TROUGH

Glass, circular,

	Diam., mm	Ht., mm
CP1160/2	150	100
CP1160/3	200	100
CP1160/4	250	100
CP1160/5	250	125
CP1160/6	300	125
CP1160/8	300	150

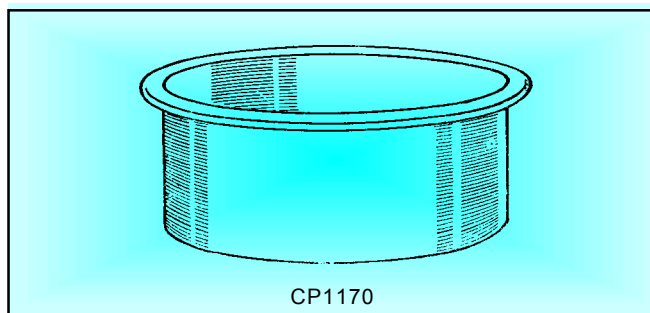


CP1160

PNEUMATIC TROUGH

Porcelain, glazed inside & outside, height 100 mm.

	Diam., mm
CP1170/1	100
CP1170/3	200
CP1170/5	250
CP1170/7	300

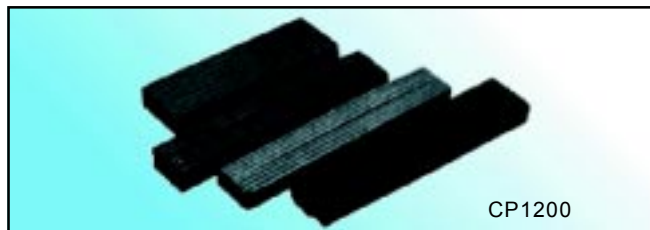


CP1170

PLASTICINE

Plastic moulding clay, pack of 500 gm.

CP1200



CP1200

POLARIMETERS

LAURENT'S HALF-SHADE POLARIMETER

Suitable for determining specific rotation of optically active substances. It has Laurent's quartz half-shade device which makes the system sufficiently accurate and at the same time simple, suitable for use with sodium light. The circular head is attached near to the analyser. Vernier movable over the scale enables reading upto 0.1°. A 200 mm tube is provided with the instrument. Mounted on a sturdy tripod stand, adjustable for height.

CP1230



CP1230

POLARIMETER, SENIOR

Designed to accept observation tube upto 220 mm length. Its improved rotating half shadow system at the front ensures perfect focus and clear definition. With angular glass scale 0-360°, divided into degrees and reading upto 0.05° with micrometer. A sugar scale from 30° to 120° reads upto 0.1 sugar degree. Supplied complete with two polarimeter tubes, 100 mm and 200 mm, and dust cover.

CP1240

POLARIMETER TUBE

Borosilicate glass, with brass ends

CP1242/1	100 mm
CP1242/2	200 mm



CP1240



PUMPS

AIR PUMP

Vacuum or pressure, hand operated, supplied as vacuum pump but can be readily converted to pressure pump by reversing piston head and valve.

CP1540

AIR PUMP

Vacuum or pressure, hand operated, metal barrel has a piston and two nozzles for vacuum and pressure respectively.

CP1542

AIR PUMP

Single action, metal pump barrel, with piston and wooden handle, attached to metal plate of 200mm diam. with stop-cock, air inlet screw and connection for tubing, on wooden base.

CP1547

VACUUM GREASE

Silicon, high vacuum grease, 100 gm. pack.

CP1555

VACUUM PUMP, ROTARY, OIL-SEALED

General purpose, single stage with low level of vapour emission. Can be used as a pressure device also. Direct drive, compact construction, displacement 32 litres/minute, ultimate vacuum without gas ballast 0.1 mm of mercury, motor rating 0.25 HP, rpm 1425, supplied with 1 metre 3-core mains cable and 1.5 litre oil. For use on 220-240 V, 50 Hz.

CP1610



CP1547



CP1610



CR1650

RETORT

Borosilicate glass, with interchangeable stopper.

Capacity, ml

CR1650/1	250
CR1650/3	500
CR1650/5	1000

REFRACTOMETERS

REFRACTOMETER, HAND

Convenient to use. The built-in ocular scale gives direct reading for percentage of sugar density. Accuracy 0.2%.

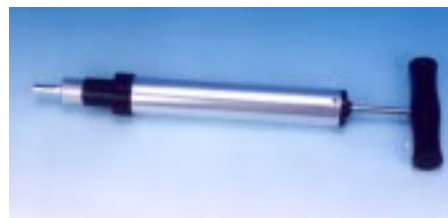
Range

CR1670/1	0 to 32%
CR1670/2	28 to 62%
CR1670/3	58 to 90%

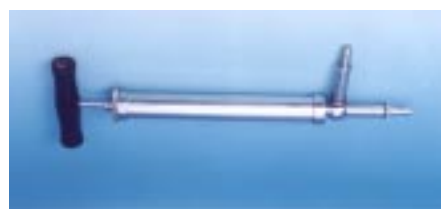
REFRACTOMETER, ABBE

For quick examination of refractive indices & mean dispersion of liquids, solids and powders. Comprising Abbe double prisms, with thermostat, compensator, telescope mirror and radial arm with vernier. Range nD 1.3000 to nD 1.7000 in steps of 0.001, sugar percentage 0 to 95% in steps of 1 division.

CR1675



CP1540



CP1542



CR1670



CR1675

RODS

GLASS ROD,

Pack of 10 lengths, each length approx. 1.2 metre.

Approx. Diam., mm

CR1720/4	4
CR1720/6	6
CR1720/7	7
CR1720/8	8

GLASS ROD

Diam. 5,6,7 or 8 mm, any diam, assorted lengths, pack of 1 kg.

CR1725

GLASS ROD,

One end rounded, other flat for crushing crystals, size 3 x 100 mm approx (diam x length), pack of 10.

CR1751

GLASS ROD,

with rounded ends, 3 x 300 mm approx (diam x length), pack of 10.

CR1757

GLASS ROD, BOROSILICATE

Pack of 10 lengths, each length approx 1.5 metre.

Approx. Diam., mm

CR1762/4	4
CR1762/5	5
CR1762/6	6
CR1762/8	8

GLASS ROD, BOROSILICATE

Diam. 4, 5, 6, 7, 8 mm. any diam, assorted lengths, pack of 1 kg

CR1765

SAFETY EQUIPMENT

EYE WASH BOTTLE

Soft eye wash cup connected by a tube to 500 ml. reservoir bottle.

CS1801

FIRST AID CABINET

In metal cabinet with wall mounting lugs. Contains the following material for providing First Aid.

- 3 Plain lint dressings, large
- 4 Plain lint dressings, medium
- 4 Plain lint dressings, small
- 2 Eye pad with bandage
- 3 Burns dressing
- 3 Cotton wool pads
- 3 Stretch fabric dressing with medicated pad of different sizes.
- 2 Triangular bandages
- 1 Roll Sticking tape
- 2 Boxes Antiseptic wipes
- 1 Eye wash bottle, small
- 1 Pair Dressing Scissors, stainless steel, 125 mm
- 1 Pair Forceps, pointed ends, stainless steel, 125 mm
- 1 Pkt Assorted safety pins.

CS1804

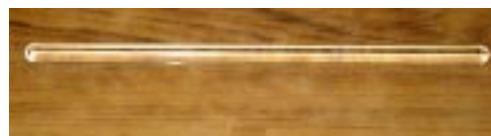
FIRE BLANKET

Woven fiberglass blanket, for smothering small fires in laboratories, 900 x 900 mm approx., with a pouch for mounting on wall.

CS1810



CR1720



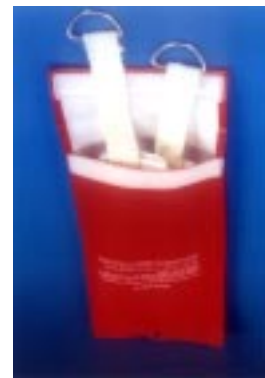
CR1762



CS1801



CS1804



CS1810

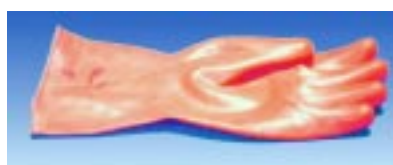
GLOVES



CS1900



CS1911



CS1917



CS1940



CS1942



CS1901



CS1914



CS1927

GLOVES

Asbestos, cotton lined with individual fingers & thumb, length 300 mm, per pair

CS1900

GLOVES, LEATHER

To provide protection for hands and forearms against exposure to heat, per pair.

CS1901

GLOVES, POLYTHENE

Disposable, medium size, pack of 100 pair.

CS1911

GLOVES

PVC, medium duty, flexible with cotton lining, length 270 mm, per pair.

CS1914

GLOVES, RUBBER

General purpose, with raised surface pattern for wet grip, supplied in pairs.

CS1917/2 Medium
CS1917/4 Large

GLOVES, ELECTRICAL

Seamless, shock proof, rubber hand gloves for electrical purposes. Test voltage 5,000V, size 355 mm, per pair.

CS1927

EYESHIELD

Simple, with adjustable head band.

CS1940

GOGGLES

Wide view, with PVC frame, can be worn over spectacles.

CS1942

SHAKERS

SHAKER, FLASK

Wrist action, robust, with AC/DC universal motor, to hold 4, 6 or 8 flasks from 100 ml to 500 ml capacity.

CS2119

CS2124 As above, fitted with a timer, 0-60 minutes

SHAKING MACHINE, RECIPROCATING, KAHN TYPE

Complete with carrier for flasks, test tube racks, bottles etc. Speed is unaffected by normal line voltage fluctuations or loading within specified limits, 0.25 HP motor, speed 275 strokes per minute. Carrier size 500 x 325 x 100 mm.

CS2150

SHAKING MACHINE

As per CS2150, but speed variable by mechanical speed controller, 150-250 strokes per minute.

CS2161



CS2129



CS2150

SIEVES

200 mm diam. polished seamless brass frame. Each sieve is marked with nominal aperture. Stainless steel mesh

	mesh mm		mesh mm
CS2313/1	4.75	CS2315/6	0.355
CS2313/2	3.35	CS2315/7	0.300
CS2313/3	2.80	CS2315/8	0.250
CS2313/4	2.36	CS2315/9	0.212
CS2313/5	2.00	CS2319/1	0.150
CS2313/6	1.70	CS2319/2	0.125
CS2313/7	1.40	CS2319/3	0.106
CS2313/8	1.18	CS2319/4	0.090
CS2313/9	1.00	CS2319/5	0.075
CS2315/1	0.850	CS2319/6	0.063
CS2315/2	0.710	CS2319/7	0.053
CS2315/3	0.600	CS2319/8	0.045
CS2315/4	0.500	CS2319/9	0.040
CS2315/5	0.425		

LID AND RECEIVER

To fit the above sieves.

CS2345

SIEVE SHAKER, HAND OPERATED

Accommodates upto 6 sieves of 200 mm diam, with lid and receiver. Operated by a hand wheel. A heavy flywheel ensures smooth operation.

CS2365

SIEVE SHAKER, MOTORIZED

With mechanical action which imparts a circular motion to material and at the same time an offset cam produces a vertical movement that assists in continuous clearing of the apertures. Can accept 6 sieves with lid and receiver of 200 mm diam. Works on 220 V, 50 Hz supply.

CS2372

CS2380 As above, but with 0-60 minutes timer

SOIL TESTING KIT

With reagents, for estimation of pH, phosphorous, potassium, nitrogen and organic carbon, with a handbook containing simple instructions for use and also giving useful information on major requirements of any soil. Ready for use kit.

CS2390



CS2313



CS2365



CS2372



CS2390

**AVAILABLE
FOLDING & TABLE
OVERHEAD PROJECTORS**

SPATULA

SPATULA

Plastic, spoon form, length 120 mm.

CS2501

SPATULA

Plastic, double blade, length 150 mm

CS2511/4

SPATULA, PORCELAIN

Flat, glazed, length 150 mm.

CS2513

SPATULA

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

CS2515

SPATULA, CHATAWAY

Stainless steel, one end flat, other bent up.

Length, mm

CS2518/1 150

CS2518/2 200

SPATULA

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

CS2520

SPATULA, TROWEL

Double ended, trowel shaped scoops

CS2522 175 x 15 mm



CS2501



CS2520



CS2526



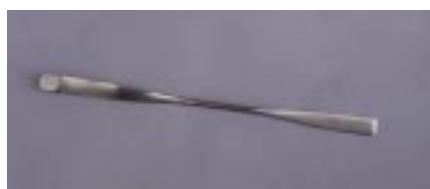
CS2513



CS2522



CS2610



CS2518



CS2525



CS2713

SPATULA

One end flat and the other end spoon form.

Length, mm Stainless steel Nickel

120 **CS2525/1** **CS2527/1**

150 **CS2525/3** **CS2527/2**

SPATULA WITH HANDLE

Stainless steel blade, 100 mm long, with polished wooden handle.

CS2526

SPHERES, GLASS

For use in crystal models & organic chemistry.

Approx diam., mm

CS2608/1 5

CS2608/3 8

CS2608/5 10

CS2608/7 12

SPHERES, STEEL

High quality steel balls, suitable for many experiments. Pack of 10.

Diam., mm

CS2610/1 1.5

CS2610/2 3

CS2610/4 6

CS2610/6 10

CS2610/8 15

CS2610/9 25

SODIUM SPOON

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

CS2713

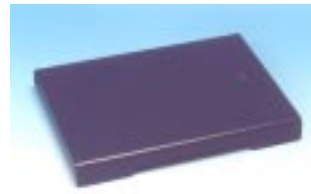
STANDS

BASE FOR RETORT STAND

Cast iron, with tapped hole M10 x 1.5 metric thread, in centre of short side, stove enamelled.

Approx size, mm

CS2810/2	150 x 100
CS2810/4	200 x 125
CS2810/6	250 x 150
CS2810/8	300 x 200



CS2810



CS2820

BASE FOR RETORT STAND, A-SHAPE

Cast Iron, A-shape, with M10 x 1.5 tapped hole, stove enamelled. Size is the distance apart of feet.

Approx size, mm

CS2820/2	180
CS2820/4	230



CS2850



CS2875

RETORT STAND ROD

Diam. 12 mm, with M10 x 1.5 thread to fit retort stand base.

Length,mm	Plated steel	Anodized aluminium	Stainless steel
500	CS2850/2	CS2855/2	CS2865/2
600	CS2850/4	CS2855/4	CS2865/4
750	CS2850/6	CS2855/6	CS2865/6
1000	CS2850/8	CS2855/8	CS2865/8

RETORT STAND

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

	Base size mm	Rod length mm	Rod diam. mm
CS2875/2	150 x 100 x 4	500	9
CS2875/3	175 x 125 x 4	600	9
CS2875/4	200 x 125 x 4	600	12
CS2875/5	225 x 150 x 4	750	12
CS2875/6	300 x 175 x 4	750	12



CS2904

CLAMP

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

CS2904/2	Black painted
CS2904/4	Chrome plated

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.

CS2910



CS2910

CLAMP, 3 PRONG

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

CS2912



CS2912

**LABORATORY
GAS TAPS & WATER TAPS
PAGE 28-29**



CS2915



CS2920



CS2925



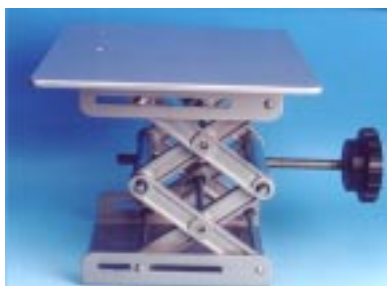
CS2930



CS3051



CS3061



CS3204

BURETTE CLAMP

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

CS2915

BOSSES

Mild steel, die pressed, chrome plated, can hold stand rod upto 18 mm diam. and clamp rod upto 10 mm diam.

CS2918

BOSSES

Cast-iron, stove enamelled, with nickel plated clamping screws, can accommodate rods upto 12 mm.

CS2920

BOSSES, SWIVEL

Aluminium alloy, holds rods upto 12 mm, swivels and locks at any angle.

CS2925

BOSSES

Pressure die cast aluminium alloy. With offset jaws, nickel plated brass clamping screws, to hold rods upto 16 mm diam. withstands heavy clamping pressure.

CS2930

BOSSES, UNIVERSAL

Aluminium alloy, designed to hold rod or clamp at any angle to the rod of supporting stand. One half is provided with slots and other half is open ended. To fit on any stand with rod upto 16 mm diam.

CS2935

RETORT STAND RING

Iron, with stem.

Diam., mm

CS3051/2	50
CS3051/4	75
CS3051/6	100

RETORT STAND RING

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

Diam., mm

CS3061/2	50
CS3061/4	75
CS3061/6	100

LABORATORY JACK

For precise adjustment of height of equipment above laboratory table, with screw operated scissor action mechanism, actuated by a large handwheel. The top is 15x15 cm with a threaded hole for a laboratory rod.

CS3204

**KITS AVAILABLE FOR
MECHANICS
HEAT
LIGHT
MAGNETISM & ELECTRICITY**

STIRRERS

STIRRER, MINI

1/125 H.P., 1200 rpm, with 250 x 6 mm stainless steel shaft with one 3-bladed propeller having 37 mm sweep. Capacity for liquids 1 to 2 litres, mounted on stand.

CS3505



CS3505

STIRRER

1/20 H.P., 4000 rpm, with stainless steel shaft 250 x 6 mm, having a single 3-bladed propeller, threaded chuck of 6.5 mm capacity for quick interchangeability of shafts having maximum diam upto 6.5 mm. Electronic speed regulator, capacity for liquids 5 to 7 litres, mounted on stand.

CS3510



CS3510

STIRRER MEDIUM DUTY, MULTI PURPOSE

Designed for high capacities in laboratories, with 1/12 HP motor and drill chuck for quick shaft interchangeability upto 10 mm. The stirrer has the capacity of 10-15 litres depending upon the viscosity, supplied complete with speed regulator.

CS3517



CS3517

LOW SPEED GEARED STIRRER

For effectively stirring high viscosity fluids. Continuous duty, fan cooled, drip proof, universal type 220 V geared motor with stirring speeds upto 150 rpm, complete with 300 mm long 4 blade impeller made of stainless steel.

CS3561



CS3561

STIRRER, MAGNETIC

With continuously variable stirring speeds. On/off switch with indicator lamp and rotary speed control mounted on front panel. Complete with teflon coated stirrer bar. Speed 50-1200 rpm.

Capacity

CS3612/1	500 ml
CS3612/2	1 litre
CS3612/4	2 litre
CS3612/6	5 litre

MAGNETIC STIRRER WITH HOT PLATE

For simultaneous heating and stirring of solutions. A cast aluminium hot plate is mounted above a variable speed magnetic stirrer. An energy regulator for the hot plate, on/off switch and rotary speed control for the stirrer motor together with neon lamps are mounted on the front panel. Supplied complete with teflon coated stirrer bar. For use on 220-240 V, 50 Hz.

Capacity

CS3620/1	1 litre
CS3620/3	2 litre
CS3620/5	5 litre



CS3612



CS3620

**HEATING MANTLES
PAGE 26**

STOPPERS

RUBBER STOPPERS

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

No.	Bottom diam. mm	Top diam. mm	Ht mm	Solid	One Hole	Two Hole
000	6	9	16	CS4019/1	--	--
00	7	10	16.5	CS4019/2	--	--
0	9	13	15.5	CS4019/3	CS4029/3	CS4039/3
1	11	14	18.5	CS4019/4	CS4029/4	CS4039/3
2	13	16.5	20	CS4019/5	CS4029/5	CS4039/5
3	14	19	21	CS4019/6	CS4029/6	CS4039/6
4	15	21	22	CS4019/7	CS4029/7	CS4039/7
5	17.5	22.5	23	CS4019/8	CS4029/8	CS4039/8
6	20	24.5	24	CS4019/9	CS4029/9	CS4039/9
7	20	26	27.5	CS4020/1	CS4030/1	CS4040/1
8	21	26.5	27.5	CS4020/2	CS4030/2	CS4040/2
9	21.5	28	31	CS4020/3	CS4030/3	CS4040/3
10	26	30	33	CS4020/4	CS4030/4	CS4040/4
11	30	33.5	33.5	CS4020/5	CS4030/5	CS4040/5
12	30	34.5	34.5	CS4020/6	CS4030/6	CS4040/6
13	31	38.5	37	CS4020/7	CS4030/7	CS4040/7
14	32	41.5	42.5	CS4020/8	CS4030/8	CS4040/8
15	34	43.5	40.5	CS4020/9	CS4030/9	CS4040/9
16	35.5	45	36.5	CS4021/1	CS4031/1	CS4041/1
17	40	49.5	40.5	CS4021/2	CS4031/2	CS4041/2
18	48	53.5	33.5	CS4021/3	CS4031/3	CS4041/3
19	44.5	58	45	CS4021/4	CS4031/4	CS4041/4
20	51	60	56.5	CS4021/5	CS4031/5	CS4041/5
21	60	70	50	CS4021/6	CS4031/6	CS4041/6
22	60	75	40	CS4021/7	CS4031/7	CS4041/7
23	70	82	40	CS4021/8	CS4031/8	CS4041/8
24	85	110	110	CS4021/9	CS4031/9	CS4041/9

**CONTACT FOR
HOSPITAL
STAINLESS STEEL WARE**



CS4019-21



CS4029-31



CS4039-41

SYRINGES

SYRINGE

Polypropylene, with synthetic rubber piston ring and tapered nozzle. Autoclavable.

	Capacity, ml
CS5006/2	2
CS5006/3	5
CS5006/5	10
CS5006/6	20
CS5006/8	50

SYRINGE, HYPODERMIC

Borosilicate glass, interchangeable barrel and piston, with luer fitting, without needle.

	Capacity, ml
CS5009/2	2
CS5009/3	5
CS5009/5	10
CS5009/7	20
CS5009/8	50

SYRINGE, HYPODERMIC, STERILE, DISPOSABLE

Transparent plastic barrel, graduated in ml, luer fitting, sealed in individual sterile pack. (without needle)

	Capacity, ml
CS5022/1	1
CS5022/2	2
CS5022/3	5
CS5022/5	10

NEEDLE, HYPODERMIC

Metal, with Luer fitting.

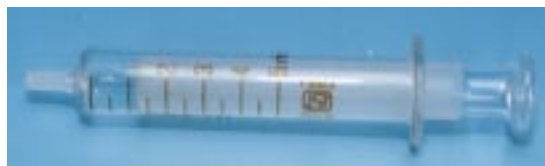
NEEDLE, HYPODERMIC, STERILE, DISPOSABLE

For disposable syringes. Needle sealed in individual sterile phial.

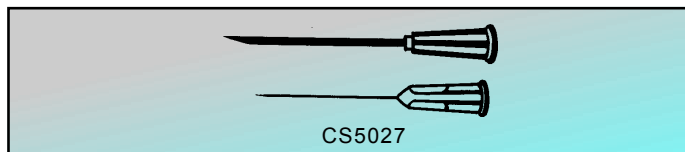
CS5027/1	21 G x 40 mm
CS5027/2	23 G x 30 mm
CS5027/3	23 G x 25 mm
CS5027/4	25 G x 16 mm
CS5027/5	19 G x 50 mm



CS5006



CS5009



CS5027