

CHEMISTRY, APPARATUS AND GENERAL

BURNERS



3014-2 ALCOHOL LAMP / BURNER. Flint glass, 120 ml capacity. Can be used straight or tilted, liquid will not spill. Hexagonal shape of sides resists tilting on side. Metal cap.

3014-12 WICKS FOR ALCOHOL LAMP / BURNER. Replacement wicks for Burner # 3014-2. Pack of 12.

BUNSEN BURNER. Nickel plated **brass** burner tube 11 mm diameter with rotatable non-removable air regulator. On stable cast iron base, baked hammertone finish, with serrated gas inlet tube 9 mm outer diameter.

3025 For Natural Gas **3026** For LP or Bottled Gas



BUNSEN BURNER. Nickel plated **brass** burner tube 13 mm diameter with an adjustable non-removable screw type air regulator on heavy stable cast iron base, baked enamel finish, with serrated **brass** 9 mm diameter gas inlet tube.

3027 For Natural Gas **3028** For LP or Bottled Gas

BUNSEN BURNER WITH STABILIZER CAP. Nickel plated **brass** tube 12 mm diameter with a non-removable screw type air regulator also provided with a threaded needle valve flame intensity regulator, with **brass** 9 mm diameter serrated gas inlet tube. On stable heavy cast iron base, baked hammertone finish.

3029-1 For Natural Gas **3029** For LP or Bottled Gas



FLAME FAST BUNSEN BURNER. Nickel plated **brass** burner tube 13 mm diameter with rotatable non-removable air regulator, on stable cast iron base, baked hammertone finish, with serrated gas inlet tube.

3031 For Natural Gas **3032** For LP or Bottled Gas

FLAME FAST BUNSEN BURNER. Same as above catalog # 3031 & 3032 but provided with threaded needle valve to regulate the intensity of the flame.

3033-1 For Natural Gas **3033** For LP or Bottled Gas

MEKER BURNER. For high temperature work. Nickel plated **brass** tube with rotatable non-removable air regulator. Perforated metal burner head 25 mm diameter produces an evenly aerated flame of uniform intensity. On heavy stable cast iron base, baked hammertone finish, with serrated gas inlet tube 9 mm diameter.

3050 For Natural Gas **3051** For LP or Bottled Gas



3053 BURNER HIGH TEMPERATURE. Injector shaped nickel plated **brass** tube with stainless steel grid produces short wide flame of uniform intensity, grid depth prevents flashback. With needle valve gas regulator and rotatable air ports. Riffled gas inlet tube tapered from 6 mm to 11 mm. On stable heavy cast iron synthetic stove enamel base. Grid top 40 mm dia., overall height 220 mm. For **Natural or LPGas.**

BUNSEN BURNER. With **flame stabilizer**, die-cast nickel plated metal base, 12.5 mm aluminum tube with rotatable air regulator. Serrated 9mm gas inlet tube, total height 150 mm.

3057-1 For Natural Gas **3057-2** For LP or Bottled Gas



WATER BATH

3100-4 WATER BATH, HEMISHERICAL. Made from thick **aluminum** sheet, with two handles and set of concentric rings. 200 mm diameter.



CENTRIFUGES

CENTRIFUGE, HAND DRIVEN. Single speed, hand driven machine consisting of a substantial cast iron body enclosing a steel pinion and worm drive fitted with a ball-thrust race. With removable crank handle and one thumb screw clamp to clamp the machine to a table. The head has captive union rings to accommodate 15 ml buckets. Body baked hammertone finish. Complete with metal buckets and glass centrifuge tubes.

3200 For two tubes **3201** For four tubes



STANDS



3349 'A' SHAPE SUPPORT BASE WITH ROD. Cast iron, baked hammertone finish base with threaded hole for fixing the rod. Base 21 cm x 20 cm, Base width x Length, plated steel rod 3/8" x 20", Diameter x Length, one end half round other end machine threaded.

SUPPORT STAND WITH ROD. Cast iron, rectangular, baked black enamel finish base with threaded hole for fixing the rod. Plated steel rod one end half round other end machine threaded.

- 3351-1** Base 4" x 6", Length x Width, Rod 5/16" x 18", Diameter x Length.
- 3351-2** Base 5" x 8", Length x Width, Rod 3/8" x 20", Diameter x Length.
- 3351-3** Base 6" x 9", Length x Width, Rod 1/2" x 24", Diameter x Length.
- 3351-4** Base 6" x 11", Length x Width, Rod 1/2" x 36", Diameter x Length.



SUPPORT STAND WITH ROD. Cast iron, rectangular, baked hammertone finish base with threaded hole for fixing the rod. Plated steel rod one end half round other end machine threaded.

- 3353-1** Base 4" x 6", Length x Width, Rod 5/16" x 18", Diameter x Length.
- 3353-2** Base 5" x 8", Length x Width, Rod 3/8" x 20", Diameter x Length.
- 3353-3** Base 6" x 9", Length x Width, Rod 1/2" x 24", Diameter x Length.
- 3353-4** Base 6" x 11", Length x Width, Rod 1/2" x 36", Diameter x Length.



SUPPORTS TRIANGULAR WITH ROD. Cast iron, triangular, baked black enamel finish base with threaded hole for fixing the rod. Plated steel rod one end half round other end machine threaded.

- 3355-1** 4" base leg length, Rod 3/8" x 20", Diameter x Length.
- 3355-2** 6" base leg length, Rod 1/2" x 36", Diameter x Length.

SUPPORTS TRIANGULAR WITH ROD. Cast iron, triangular, baked hammertone finish base with threaded hole for fixing the rod. Plated steel rod one end half round other end machine threaded.

- 3356-1** 4" base leg length, Rod 3/8" x 20", Diameter x Length.
- 3356-2** 6" base leg length, Rod 1/2" x 36", Diameter x Length.



BURNER STANDS, TRIPODS. Single ring type, cast iron top and mild steel legs. The top finished in baked hammertone and the legs are plated and are removable.

- 3361-1** Ring 3" diameter, legs 6" long.
- 3361-2** Ring 4" diameter, legs 9" long.

RINGS SUPPORT EXTENSION. Plated steel, with straight stem for clamping into a clamp holder for mounting rod.

- 3370-1 2" Ring Diameter 3370-2 3" Ring Diameter
 3370-3 4" Ring Diameter



SUPPORT RINGS WITH CLAMP. Cast iron, baked hammertone finish, with clamp for mounting on rods upto 12.5 mm diameter. Nickel plated **brass** clamping screw.

- 3372-1 2" Ring Diameter 3372-2 3" Ring Diameter
 3372-3 4" Ring Diameter 3372-4 5" Ring Diameter



WIRE SUPPORT RINGS WITH CLAMP. Plated steel ring with threaded stem attached to an aluminum clamp baked enamel finish for mounting on rods. Accepts rods upto 3/4" diameter. Nickel plated **brass** clamping screw.

- 3373-1 2" Ring Diameter 3373-2 3" Ring Diameter
 3373-3 4" Ring Diameter 3373-4 5" Ring Diameter



CLAMPS



BURET CLAMPS. Constructed out of sheet metal. Rubber covered jaws for securely gripping of Burets. Economical.

- 3379-1 For One Buret 3379-2 For Two Burets



BURET CLAMPS. For holding burets upto 100 ml. Provided with a positive grip and release. Comprising light weight but mechanically strong body with nickel plated **brass** jaws rubber covered having spring action which effect a positive grip without obscuring the graduations. A single nickel plated **brass** thumb screw secures the clamp to rod of 13 mm diameter. The clamp surface is baked hammertone finish.

- 3380 For One Buret 3381 For Two Burets



3396 CONDENSER CLAMP HEAVY. Pressure die-cast out of a light alloy. For holding condensers and other objects upto 60 mm diameter. Rubber covered jaws provide six point contact for secure grip. Having nickel plated **brass** thumb screw. Stem 120 mm x 9 mm, Length x Diameter.



3406 EXTENSION CLAMP. With interlocking jaws. Pressure diecast out of a light alloy. Strong for holding objects upto 100 mm diameter, cork lined jaws provide secure grip. Nickel plated **brass** thumb screw and anodized aluminum stem 150 mm x 8 mm, Length x Diameter.



3410 CONDENSER CLAMP. Three finger, nickel plated **brass** construction. For condensers and other objects upto 100 mm diameter. Rubber covered jaws provide six point contact for secure firm grip. Having nickel plated **brass** adjusting wing nut.



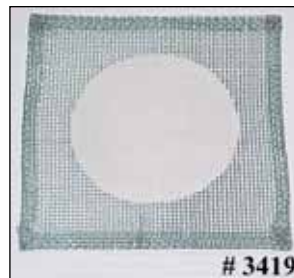
3407 CLAMP HOLDER. Pressure die-cast out of light alloy with off set jaws for its strength. The two vee grooves in the body are accurate and give a firm grip on rods, both accept rods upto 18 mm diameter. Black baked enamel finish. The clamping screws are of N.P. **brass**.



3408 CLAMP HOLDER UNIVERSAL. Very versatile. Accepts rods upto 3/4".



3409 CLAMP HOLDER ADJUSTABLE. Aluminum, baked hammertone finish. Nickel plated **brass** clamping screws. It swivels and can be locked at any angle. Accepts rods upto 16 mm diameter.



WIRE GAUZE. Plain, made from GI wire extra stout quality. In squares. The sides are turned in.

3413-1 4" x 4" **3413-2** 5" x 5"
3413-3 6" x 6"

WIRE GAUZE CERAMIC CENTER. Ceramic center. Made from GI wire extra stout quality, in squares. The sides are turned in.

3419-1 4" x 4" **3419-2** 5" x 5"
3419-3 6" x 6"

3425 BLOW PIPE. Mouth, nickel plated **brass**, 8" long.



PINCHCOCK MOHR'S. Plated steel, thick quality.

3430 Small **3432** Big

CORK BORER SET. Nickel plated **brass**, with individual handles. With rod for cleaning borers.

- 3452-1** Set of 6, 4mm - 12 mm
- 3452-2** Set of 12, 4 mm - 20 mm
- 3452-3** Set of 9, 4 mm - 16 mm



3453 CORK BORER SHARPNER. Plated metal cone with hinged cutter blade set in slot, with wooden handle.

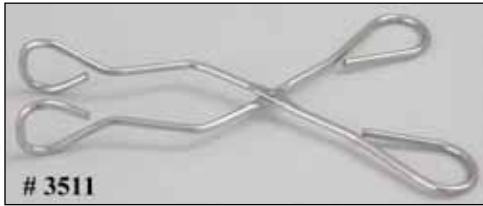
3457 CORK BORING MACHINE. Hand driven, for boring straight and uniform holes in cork or rubber stoppers. Cast iron frame baked enamel finish with wooden platform to support stopper. Base has four holes for mounting on table or bench top. The spindle has a center hole through which passes the cleaning rod. Complete with set of 12 plated steel borers.

3458 CORK BORER SET FOR CORK BORING MACHINE. Spare, plated steel, set of 12.

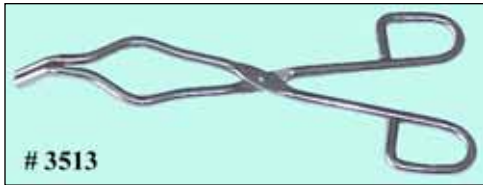


3470 DEFLAGRATION SPOON. With plated stout steel spoon 18 mm wide x 5 mm deep, spot welded with 14" long plated steel wire. Complete with plated steel cover 3.5" diameter and cork for holding the wire at any length.





3511 UTILITY TONGS. Steel, nickel plated. For general laboratory use, for picking and carrying objects. 210 mm long.

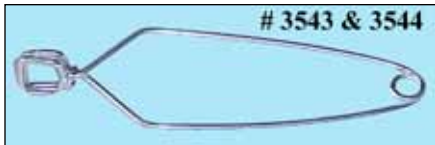


3513 CRUCIBLE TONGS. Stout and thick plated steel. With bow and flattened hinge riveted joint, jaws corrugated inside for secure grip. 8" long.



BEAKER TONGS. Made from 1/4" thick steel rod. For handling beakers etc. Can hold beakers 50 to 1500 ml.

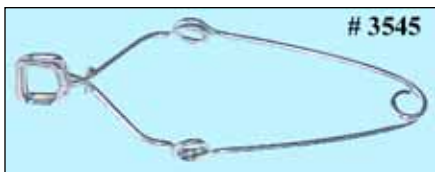
3530-1 Steel NP
3530-2 Steel NP, with Protective Sleeving



TEST TUBE CLAMP STODDARD TYPE. Regular size, spring action self closing rectangular jaws. Thick steel wire construction. Pack of 6.

3543-1 Steel NP **3543-2** Steel Brass plated

3544 TEST TUBE CLAMP STODDARD TYPE. Large 6.5" long, spring action self closing, rectangular jaws. Thick plated steel wire construction.



3545 TEST TUBE CLAMP STODDARD TYPE WITH FINGER GRIPS. Large 6.5" long, spring action self closing, rectangular jaws. Provided with finger grips for secure grip. Thick plated steel wire construction.



3555 TEST TUBE CLAMP WOODEN. Thick, with steel spring.

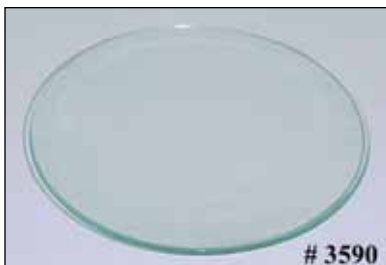


SPATULA. Stainless steel, polished, one side spoon other flat.

3568-1 150 mm long **3568-2** 200 mm long



3580 LAB SCOOP. Stainless steel, 6" long.



WATCH GLASSES. Selected quality glass, polished ground edges.

3590-1 50 mm Diameter **3590-2** 62 mm Diameter
3590-3 75 mm Diameter **3590-4** 100 mm Diameter

3655 INOCULATING LOOP HOLDER KOLLE TYPE. Nickel plated **brass** rod with nickel plated **brass** screw chuck. Fitted into bakelite handle. For holding inoculating loops. Overall length 250 mm.



3656 INOCULATING LOOP. Consists of a 3" long, 25 gauge nichrome wire with a loop at one end and the other end mounted in an 8" long aluminum handle.



3657 INOCULATING LOOP ONLY. A 3" long, 25 gauge nichrome wire with loop at one end. Pack of 25.



WASH BOTTLES. Polyethylene, leak proof, flow controlled with ease.

3750-1 Capacity 125 ml

3750-2 Capacity 250 ml

3750-3 Capacity 500 ml



3760-4 EVAPORATING DISH. Porcelain, glazed inside and outside. 75 mm rim dia., 33 mm deep, 100 ml capacity.



BUCHNER FUNNEL. Glazed porcelain, one piece construction, with fixed perforated plate. Straight sides with tapered stem. Sized by inner diameter.

3763-1 42.5 mm

3763-2 55 mm

3763-3 70 mm

3763-4 90 mm

3763-5 110 mm

3763-6 125 mm



3767-5 CRUCIBLE WITH LID. Porcelain, glazed inside and outside. With Lid. Capacity 30 ml.





PIPETTE FILLERS. Consists of a rubber bulb with a capacity of 60 ml (approx.). With three valves.

3826-1 Black Color

3826-2 Red Color

TEST TUBE STANDS



3742 TEST TUBE RACK POLYETHYLENE. Stout, white, in line, for 6 tubes, holes in the top plate correspond with hemispherical depressions in the base. With side pillars and six vertical pins for drying of tubes. Two side holes 25 mm, four in between holes 20 mm in diameter.

6860-1 TEST TUBE RACK POLYETHYLENE KIT FORM.

Stout, white, with drying pins for 6 tubes. Holes in top plate correspond with hemispherical depressions in the base. All six holes 25 mm in diameter.



TEST TUBE SUPPORTS. Wooden, in line, holes in the top plate correspond with hemispherical depressions in the base. Plastic sides. Kit form. With drying pins. The two side holes 25 mm, in between holes 20 mm in diameter.

3846 For 6 Tubes

3848 For 12 Tubes



3847 TEST TUBE SUPPORT. All wooden. Nicely polished. Holes in the top correspond with the hemispherical depressions in the base. With drying pins. For 6 tubes. All holes 22 mm in diameter.

GLASSWARE

BURET STUDENT GRADE. Also known as Mohr Burets. White engraved markings. To be used with buret tip assembly consisting of a glass tip, a piece of rubber tubing and a pinchcock. Thick wall construction. Made from **Borosilicate Glass**. Supplied complete with tip assembly.

3860-1 Capacity 50 ml

3860-2 Capacity 100 ml

3860-3 Capacity 25 ml

3862-3 **BURET STUDENT GRADE.** Same as Catalog # 3860, but made from **Flint / Neutral Glass**. Capacity 50 ml.



3861 **BURET TIP ASSEMBLY.** Spare for use with Burets Catalog # 3860 & 3862. Consists of a **Borosilicate Glass** tip, pinchcock and a piece of rubber tubing.



BURET WITH GLASS STOPCOCK. Also known as Geissler Burets. Accurately graduated, with white engraved markings, with fitted straight bore glass leak proof stopcock with capillary jet. Thick wall construction. Made from **Borosilicate Glass**.

3865-2 Capacity 25 ml

3865-3 Capacity 50 ml

3865-4 Capacity 100 ml

3863-3 **BURET WITH GLASS STOPCOCK.** Same as Catalog # 3865, but made from **Flint / Neutral Glass**. Capacity 50 ml.



BURET WITH TEFLON PLUG STOPCOCK. Also known as Geissler Burets. Accurately graduated, with white engraved markings, with fitted straight bore glass body Teflon plug leak proof stopcock to prevent freezing, with capillary jet. Thick wall construction. Made from **Borosilicate Glass**.

3868-2 Capacity 25 ml

3868-3 Capacity 50 ml

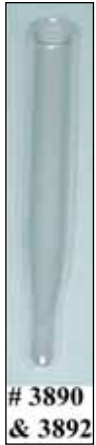
3868-4 Capacity 100 ml





DRYING TUBES. 'U' shape. Made from **Borosilicate Glass**. Thick walled.

3883-1 100 mm long **3883-2** 125 mm long **3883-3** 150 mm long



DRYING TUBES WITH SIDE ARM. 'U' shape with side arm for connecting to rubber tubing. Made from **Borosilicate Glass**. Thick walled.

3884-1 100 mm long **3884-2** 125 mm long **3884-3** 150 mm long

3890-2 **CENTRIFUGE TUBE.** Flint or Neutral glass. conical, 15 ml.

3892-2 **CENTRIFUGE TUBE.** **Borosilicate Glass**, conical, 15 ml.

3893-2 **CENTRIFUGE TUBE.** **Borosilicate Glass**, conical, graduated, 15 ml.



CONDENSERS LIEBIG. **Borosilicate Glass.** Finds wide usage in the laboratory such as distillation, reflux operations, extraction etc. Sealed inner tube, large capacity of water jacket gives efficient cooling. Sized by effective length.

3903-1 200 mm **3903-2** 300 mm
3903-3 400 mm **3903-4** 500 mm



CONDENSERS GRAHAM. **Borosilicate Glass.** Coil type. This type of condenser increases the cooling area and thereby increasing efficiency.

3905-1 200 mm **3905-2** 300 mm
3905-3 400 mm **3905-4** 500 mm

SEPARATORY FUNNEL, GLOBE SHAPE, GLASS STOPCOCK. Borosilicate Glass. Glass leak proof stopcock. Stoppered. Tapering of the body towards the stopcock allows easy separation of the liquids.

3958-1 Capacity 60 ml
3958-3 Capacity 250 ml

3958-2 Capacity 125 ml
3958-4 Capacity 500 ml



SEPARATORY FUNNEL, GLOBE SHAPE, TEFLON PLUG STOPCOCK. Borosilicate Glass. Glass body leak proof stopcock with Teflon plug to reduce freezing. Stoppered. Tapering of the body towards the stopcock allows easy separation of the liquids. Shape same as catalog # 3958, but stopcock with **Teflon plug**.

3959-1 Capacity 60 ml
3959-3 Capacity 250 ml

3959-2 Capacity 125 ml
3959-4 Capacity 500 ml



SEPARATORY FUNNEL, PEAR, SQUIBB SHAPE, GLASS STOPCOCK. Borosilicate Glass. Glass leak proof stopcock. Stoppered.

3963-1 Capacity 60 ml
3963-3 Capacity 250 ml

3963-2 Capacity 125 ml
3963-4 Capacity 500 ml

SEPARATORY FUNNEL, PEAR, SQUIBB SHAPE, TEFLON PLUG STOPCOCK. Borosilicate Glass. Glass body leak proof stopcock with Teflon plug to reduce freezing. Stoppered. Shape same as catalog # 3963, but stopcock with **Teflon plug**.

3964-1 Capacity 60 ml
3964-3 Capacity 250 ml

3964-2 Capacity 125 ml
3964-4 Capacity 500 ml



3966 THISTLE FUNNEL. Borosilicate Glass. 300 mm long stem.

3990-1 MELTING POINT TUBE. Thiele-Dennis type, this improved design tube increases the circulation rate. Made from Borosilicate Glass.





4200 **MAGNESIUM METAL RIBBON.** 99% pure (approx.). In packs of 25 gm (approx.).

PLASTICWARE



BEAKER. Graduated, polypropylene. Autoclavable. Molded graduations, will not rub off or fade.

5100-1	50 ml	5100-2	100 ml	5100-4	250 ml
5100-5	500 ml	5100-6	1000 ml	5100-7	2000 ml



BEAKER WITH HANDLE, JUG. Graduated, polypropylene. Autoclavable. Molded graduations, will not rub off or fade.

5110-1	250 ml	5110-2	500 ml	5110-3	1000 ml
5110-4	2000 ml				



BURET CLAMP. Plastic. Strong.

5120-1	For One Buret	5120-2	For Two Burets
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CYLINDERS. Graduated, polypropylene. Autoclavable. Molded graduations, will not rub off or fade.

5250-1	10 ml	5250-2	25 ml
5250-3	50 ml	5250-4	100 ml



DROPPING BOTTLE. TK pattern. LDPE. Good controlled dropping.

5350-1	60 ml capacity
5350-2	120 ml capacity



FUNNELS. With rib. Polypropylene. Sizing by top diameter.

5440-1	50 mm	5440-2	62 mm
5440-3	75 mm	5440-4	100 mm

5448-1 FUNNEL HOLDER. For one funnel.



6450 PIPETTE SUPPORT. Horizontal for 12 pipettes. Polypropylene.

6470 PIPETTE SUPPORT. Round, for 28 pipettes.

MICROSCOPE



B-26 MICROSCOPE. Standard size, elegant appearance. Rugged construction, stable cast iron horseshoe base. Inclinable through 90°.

- Two eyepieces 10x and 15x.
- Three parfocussed objectives 4x, 10x and 40x.
- Rotatable triple nosepiece with positive click stops.
- Coarse and fine focus, sturdy rack and pinion.
- Safety rack to prevent damage to slides and optics.
- Metal stage 110 mm x 110 mm, with two removable stage clips.
- With iris diaphragm to adjust the intensity of light.
- With sub-stage illuminator and plano-concave mirror in fork mount.



B-161 SLIDE BOX. Wooden, nicely polished, for 100 slides, 75 mm x 25 mm. Hinged lid, nicely cut grooves, numbered, with two catches to securely close the box.



FORCEPS ECONOMY. Stainless steel, 115 mm / 4 1/2" long.

B-224/1 Blunt **B-224/2** Pointed



TEASING NEEDLES. Plastic handle Packed 12 per bag.

B-235/1 Straight Needle **B-235/2** Bent Needle



B-4000 BLOOD CELL COUNTER. Heavy duty, five cell counter records upto 999 for each cell, and one totalizer. Supplied with a protective case.