SAFIRE Scientific Company

SAFIRE Glassware Catalogue

Manufacturers and Exporters

SAFIRE Scientific Company

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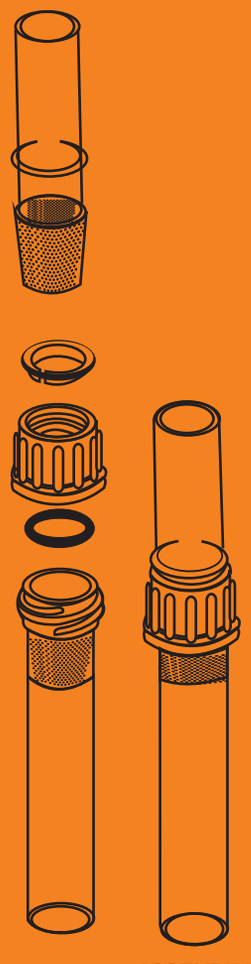

PARTS ASSEMBLY

Please refer
Page 171 for listing

NEW

Purued contiuing policy of rationalisation of SAFIRE Glassware product ranges to meet the developing and changing needs of the end user, we now introduce 'ROTAGRIP' jointed glassware which are at present being used only in USA and Europe.

This unique joint is made with Special Screa Threaded Ground Joints, 'O' ring, Connecting Cap, and Insert. Connecting cap holds joints together ; 'O' ring makes a seal st the lip of socket ; Insert facilitates removal of parts.

The advantages by using ROTAGRIP jointed glassware are

1. Holding parts together firmly
2. Making leak-tight seal
3. Separating parts by unscrewing

ACCURACY OF STANDARDS FOLLOWED FOR SAFIRE VOLUMETRICWARE

Sugar Flasks	IS : 675	- 1953
Measuring Cylinders, Stoppered and Spot, class B	IS : 878	- 1975
Volumetric Flasks	IS : 915	- 1975
Volumetric Pipettes, one mark	IS : 1117	- 1975
Burettes, Single and Double Bore Stopcocks	IS : 1997	- 1967
Milk Test Pipettes	IS : 2025	- 1962
Nessler Cylinders	IS : 4161	- 1967
Measuring Pipettes	IS : 4162	- 1967
Measuring pipettes, Micro	IS : 4364	- 1967
Crow Receivers	IS : 5298	- 1969
Saybolt viscosity Flasks	ASTM :	D88/56
Kohlrausch Flasks	BS : 615	- 1953
Phenol Flasks	BS : 676	- 1953
Pressure Filling Burettes	BS : 1428	- 1965

Care and Maintenance of SAFIRE Glass ware

When treated with proper care SAFIRE laboratory apparatus will give long and satisfactory service. To assist users in Obtaining the maximum life and performance from their apparatus the following notes are given.

HEATING AND COOLING

(a) Follow the instructions of manufactures when using electrical heat sources.
(b) No vessel should be left unattended when evaporation woek is being carried out. If the heat source is not adjusted correctly when dryness condition is approached, the vessel may crack or explode. As the liquid level drops, the temperature should be gradually lowered.
(c) Although SAFIRE Glassware can withstand extreme temperatures, sudden temperature changes may cause the vessel to break. Hence caution is required when removing glassware from a heat source and placing on a cold or damp surface should be avoided.
(d) Vessels should be cooled slowly to prevent thermal breakage.
(e) a badly scratched or etched vessel should not be heated at all as the thermal strength might have been greatly reduced.
(f) Point source heating should be avoided as it increase the chance of breakage.
(g) The best method is to diffuse the heat source by a metal gauze or by using air or water bath. It is safer to move the SAFIRE glassware slowly with even heating in relation to the heat source.
(h) When rapid heating of the SAFIRE glassware or the contents is required anti-bumping devices such as glasswool or powdered pumice should be used. Sharp edged materials such as broken porcelain should not be used as anti-bumping devices as it may cause internal abrasions, thus reducing mechanical and thermal strength of the SAFIRE glassware.

MIXING AND STIRRING

(a) Usage of “policeman or simlilar device on stirring rods shall prevent scratching the inside of the SAFIRE glassware.
(b) using covered follower shall prevent abrading the inside of the SAFIRE glassware, when using with magenic stirrer.
(c) The height of the stirrer should be predetermined before use to ensure there is no contact between the strirrer blade and the bottom of-the sides of the otto glassware when using glass or metal mechanical stirrers.
(d) Sulphuric acid and water should not be mixed inside a measuring cylinder as the heat of reaction can break the base of the cylinder.

VACUUM AND PRESSURE

(a) Beyond the recommended safe limit glassware should not be used either under vacuum or pressure.
(b) When working with glassware subjected to vacuum or pressure it is advisable to use a safety screen.
(c) Glassware should not be subjected to sudden pressure changes and gradually applied and released positive and negative pressures.

JOINING AND SEPARATING GLASS APPARATUS

(a) While not in use or when stored insert a thin strip of paper between joint surface in glass stopcocks to prevent sticking.
(b) With lubricant still on the ground surfaces stopcocks should not be stored for long period.
(c) Ground joints and stopcocks are to be kept completely free from dirt. After ues ground glass joints should be separated and kept lubricant free.
(d) In case of ground joints sticking, separation can be achieved by carefully rocking the cone in the socket, or gently tapping the socket rim on a wooden surface or heating the socket in a localised flame. The use of penetrating oil shall also help in aiding separation.
(c) When inserting a glass tubing into a rubbe bung use of water, oil or glycerot is recommended and wearing heavy protective gloves is must.
(f) The ends of glass tubing should always be fire polished before attempting to insert into a flexible tubing or bung.

CLEANING

(a) Always glassware should be washed or soaked immediately after use.
(b) When using new glassware for precise chemical test they should be soaked for several hours in dilute acid solution as they may be slightly alkaline in reaction which could affect test results.
(c) Nitric acid, aqua regia, fuming sulphuric acid or chromic acid sloution can be used with extreme care if soap water or detergent solution are found inefficient.
(d) Always use cleaning aids, brushes, etc., in good condition and worn out brushes will lead to serious abrading of the glassware.
(e) The final rinsing after cleaning should always be with distiled water.
(f) All glassware especially volumetric ware must be absolutely grease-free, Grease and other contaminstion materials will prevent the glass from becoming uniformly wetted and in turn will affect the volume of liquid delivered.
(g) In all instances the glassware much be kept physically clean and in most cases chemically clean or bacteriologically clean.
(h) Sterilsing the glassware contaminated with blood culture media, viruses or bacteria immdiately after use and before washing is must either by boiling for 30 minutes in detergent solution or autoclaving or immersing in a steam steriliser. Autoclaving is absolutely essential if viruses or spore forming bacteria are present.
(i) Special care should be taken while cleaning pipettes and burettes as damage to the jets and or stopcocks can affect their subsequent accuracy.
(j) High concentration of hydrofluoric acid or hot phosphoric acid or caustic alkali solution should not at all be used for cleaning.

SINTERED WARE

(a) Even though sintered ware are designed for the application of vacuum or for passage of gases at a relatively low pressure, the differential pressure must not exceed 15 psi.
b) As the resistant to thermal shock of sintered ware is comparatively less, they should not be subjected to excessive temperature changes or to direct flames.
(c) SAFIRE glassware sintered crucibles if dry at room temperature can be placed directly in a drying oven at 150°C.
(d) If the cycle of heating and cooling is gradual, sintered ware may be safely heated in a furnace to 500°C.
(e) New sintered filters are to be washed with hot hydrochloric acid and rinsed with distilled water before use to ensure that loose particles if any, are removed from the filter.
(f) Sintered glassware are to be cleaned immediately after use and this is the most favourable time for easy cleansing. By back flushing with water many precipitates can be easily removed. In case of fine porosity filters, it should be done carefully as positive pressure may break the filter.
(g) when precipitates clog the filter they should be removed by chemical treatment.

A few suggestions are given below which may prove useful

ORGANIC SUBSTANCES :
'CHROMIC' ACID CLEANING SOLUTION OR CONCENTRATED SULPHURIC ACID CONTAINING A LITTLE POTASSIUM NITRATE. (CHROMIC ACID CLEANING SOLUTION SHOULD BE AVOIDED FOR BACTERIOLOGICAL PHARMACEUTICAL AND BIOLOGICAL WORK).

FATTY MATERIALS :
CARBON TETRACHLORIDE OR SUITABLE ORGANIC SOLVENT.

ALBUMEN, GLUCOSE :
HOT AMMONIA OR HYDROCHLORIC ACID, MIXTURE OF HOT CONCENTRATED SULPHURIC AND NITRIC ACID

MERCURY RESIDUES :
HOT CONCENTRATED NITRIC ACID

MERCURY SULPHIDE :
HOT AQUA REGIA :

SILVER CHLORIDE :
AMMONIA OR SODIUM HYPOSULPHITE

STANNIC OXIDE :
BOILING SULPHURIC ACID (ITEM TO BE LEFT IN THE ACID ITSELF TO COOL TO AVOID UNDUE THERMAL STRAIN).

BARIUM SULPHATE :
HOT CONCENTRATED SULPHURIC ACID

COPPER OR IRON OXIDES :

HOT CONCENTRATED HYDROCHLORIC ACID WITH POTTASSIUM CHLORATE.

ALLUMINA OR SILICA RESIDUES :

2% HYDROFLUORIC ACID FOLLOWED NY CONCENTRAED SULPHURIC ACID. (TO BE RINSED WITH DISTILED WATER IMMEDIATELY AND THEN WITH ACETONE TILL NO TRACE OF ACID REMAINS).

PERSONAL SAFETY

(a) Tongs or heat resistant gloves should be used to remove glassware from heat sources.

(b) The outside of acid bottles should be flushed with water before opening. Never put the stoppers on the laboratory bench top where someone else may come in contact with acid residue.

(c) Do not drink from a beaker or likewise apparatus in a laboratoy as it is potential danger.

(d) Mechanical means such as rubber bulb may be used when using concentrated acids, alkalis or potentially biohazardous materials and avoid pipetting by mouth.

(e) A container should not be filled with material other than that specified on the lables. It is advisable to lable all containers before filling.

(f) Usage of a protective mask or respirator is must when working with very toxic substances and where possible such work should be carried out in a fume cupboard.

Technical Data

SAFIRE GLASSWARE Low Expansion Borosilicate Glass

Glass has been made by man for nearly 6000 years, Yet, over all these centuries, developments in its applications and capabilities have been restricted with in very narrow confines. In this last half century, the rapid strides in science and technology have led to extensive research into the properties and compositions of glass and it is possible to construct a suitable glass to meet virtually any specific need.

The requirements of laboratory work generally dictate that the glass readily accepts moulding into desired shape or form, maintains maximum inertness when in contact with widest range of chemical substances, withstands thermal shocks without fracture and higher temperature work without deforming and survives knocks of normal Laboratory handling, washing and sterlising procedures. Such a glass is SAFIRE GLASSWARE.

Chemical Composition

SAFIRE Glassware is of low alkali borosilicate formula of Code No. 7740 and its typical chemical composition is as below.

	% by weight
Silica	81
Boric Acid	13
Sodium Oxide	4
Alumina	2

It is free of Magnesia-Lime-Zinc group: contains only traces of heavy metals.

Thermal Properties

SAFIRE Glass having low co-efficient of thermal expansion can withstand higher temperature gradients and sudden temperature changes. The measured properties are as below.

Co-efficient of Linear Expansion (between 20 - 30°C)	$32.5 \times 10^{-7/0}$C
Strain Point	515°C
Annealing Point	565°C
Softening Point	820°C
Working Point	1245°C
Specific Heat	0.2

In general it is recommended that the strain point 515°C be regarded as maximum safe operating temperature.

Technical Data

Chemical durabiity

Water & Water Vapour SAFIRE Glassware has a relatively low alkail content and consequently highly resistant to water vapour attack.

Acid SAFIRE Glassware having approximatly 80% silica is exceptionally resistant to all acids except hydroflouoric and hot phosphosric.

Akali : Alkaines solutions attack all glasses and SAFIRE glassware can be classfied as reasonably resistant.

Some of the result of typical tests undertaken with various solutions are as below.

Contact Chemical & Duration	Loss in Weight mg/m2
Distilled water at 100°C for 6 hours	10
Steam at 121°C for 1 hour	75
Hydrochloric acid boiling for 6 hour	100
Sulphuric acid 80% AT 130°C for 12 hours	140
Normaln of Sodium Carbonate boiling for 6 hours	4000
Infusion fluids at 121°C for 2½ hours Isotonic Sodium Chloride 0.85%	70
Glucose 5%	50
Trisodium Citrate 10%	2000

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A-1

A-1 Reduction Adapters, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0001	10/19	14/23
0002	14/23	19/26
0003	14/23	24/29
0004	14/23	29/32
0005	19/26	24/29
0006	19/26	29/32
0007	19/26	34/35
0008	19/26	45/40
0009	19/26	55/44
0010	24/29	29/32
0011	24/29	34/35
0012	24/29	45/40
0013	24/29	55/44
0014	29/32	34/35
0015	29/32	45/40
0016	29/32	55/44
0017	34/35	45/40
0018	34/35	55/44
0019	45/40	55/44

A-2

A-2 Expansion Adapters, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0020	14/23	10/13
0021	19/26	14/23
0022	24/29	19/26
0023	24/29	14/23
0024	29/32	24/29
0025	29/32	19/26
0026	29/32	14/23
0027	34/35	29/32
0028	34/35	24/29
0029	34/35	19/26
0030	34/35	14/23
0031	45/40	34/35
0032	45/40	29/32
0033	45/40	24/29
0034	55/44	45/40
0035	55/44	34/35

A-3

A-3 Multiple Adapters, Two Necks Parallel, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0036	10/19	10/13
0037	14/23	14/23
0038	19/26	19/26
0039	19/26	24/29
0040	19/26	34/35
0041	24/29	24/29
0042	29/32	29/32

A-4

A-4 Multiple Adapters, Two Necks, One Vertical and One at Angle, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0043	19/26	19/26
0044	19/26	24/29

A-5

A-5 Multiple Adapters, Three Necks, Two Parallel and One at Angle, SAFIRE GLASSWARE

Cat. No.	Parallel Neck Socket	Angle Neck Socket	Cone
0045	14/23	14/23	19/26
0046	19/26	14/23	24/29
0047	19/26	19/26	24/29
0048	19/26	19/26	29/32
0049	19/26	19/26	34/35
0050	19/26	19/26	55/44

A-6

A-6 Swan Neck Adapters, For use With Airleak Tube, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0051	14/23	14/23
0052	19/26	19/26
0053	19/26	24/29
0054	24/29	24/29

A-7

A-7 Adapters, With T' Connection, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0055	14/23	14/23
0056	14/23	19/26
0057	14/23	24/29
0058	19/26	19/26
0059	19/26	24/29
0060	19/26	34/35

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A-8 Cone Adapters, Straight Connection Plain, SAFIRE GLASSWARE

Cat. No.	Cone
0061	10/19
0062	14/23
0063	19/26
0064	24/29
0065	29/32
0066	34/35

A-9 Cone Adapters, Straight Connection with Stopcock, SAFIRE GLASSWARE

Cat. No.	Cone
0067	14/23
0068	19/26
0069	24/29
0070	29/32

A-10 Cone Adapters, Right Angle Connection, Plain, SAFIRE GLASSWARE

Cat. No.	Cone
0071	10/19
0072	14/23
0073	19/26
0074	24/29
0075	29/32
0076	34/35

A-11 Cone Adapters, Right Angle Connection, with Stopcock, SAFIRE GLASSWARE

Cat. No.	Cone
0077	19/26
0078	24/29
0079	29/32
0080	34/35

A-12 Socket Adapters, Straight Connection, with Stopcock, SAFIRE GLASSWARE

Cat. No.	Socket
0081	14/23
0082	19/26
0083	24/29
0084	29/32

A-13

A-14

A-15

A-13 Receiver Adapters, Plain Bend, Short, SAFIRE GLASSWARE

Cat. No.	Socket
0085	10/19
0086	14/23
0087	19/26
0088	24/29
0089	29/32

A-14 Receiver Adapters, Plain Bend, Long, SAFIRE GLASSWARE

Cat. No.	Socket
0090	10/19
0091	14/23
0092	19/26
0093	24/29
0094	29/32
0095	34/35

A-15 Receiver Adapters, Straight Delivery, SAFIRE GLASSWARE

Cat. No.	Socket
0096	14/23
0097	19/26
0098	24/29
0099	29/32
0100	34/35
0101	45/40

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SAFIRE Scientific Company

A-16 Receiver Adapters, Plain Bend, Socket to Cone, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0102	14/23	14/23
0103	19/26	19/26
0104	19/26	24/29
0105	24/26	24/29
0106	29/32	29/32
0107	34/35	34/35

A-17 Receiver Adapters, Bent with Vent, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0108	10/19	10/13
0109	14/23	14/23
0110	19/26	19/26
0111	19/26	24/29
0112	24/29	24/29
0113	29/32	29/32

A-18 Receiver Adapters, Bentwith Vacuum Connection, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0114	14/23	14/23
0115	14/23	19/26
0116	19/26	19/26
0117	19/26	24/29
0118	24/29	24/29
0119	29/32	29/32

A-19 Receiver Adapters, Vertical with Vacuum Connection, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0120	19/26	24/29
0121	24/29	24/29

A-20 Receiver Adapters, Bent with Socket Connection, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0122	14/23	14/23
0123	19/26	19/26
0124	19/26	24/29
0125	24/29	24/29

A-21 Receiver Adapters, Bent with Multiple Connection (PIG), SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0126	10/19	10/13
0127	14/23	14/23
0128	19/26	14/23
0129	29/32	14/23

A-22 Receiver Adapter, Multi-Limb Vacuum, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0130	19/26	14/23

(To take 4 x 100 ml flasks)

A-23 Receiver Adapter, Vertical Delivery, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0131	19/26	19/26

(To be used with 0130)

A-24 Receiver Adapter, Sloping Delivery, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0132	19/26	19/26

(To be used with 0130)

A-25 intermediate Receiver Adapters, (PERKIN) SAFIRE GLASSWARE

Cat. No.	Socket	Cone	Cap. ml
0133	14/23	14/23	10
0134	19/26	19/26	32
0135	19/26	24/29	32
0136	24/29	24/29	32

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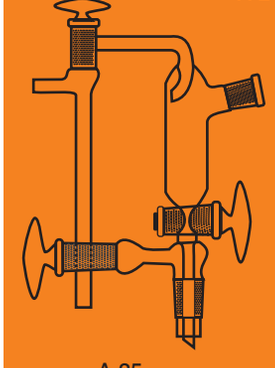

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A-26 Recovery Bend, Sloping, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone
0137	14/23	14/23
0138	19/26	19/26
0139	24/29	14/23
0140	24/29	19/26
0141	24/29	24/29
0142	29/32	19/26
0143	29/32	29/32
0144	34/35	19/26
0145	34/35	24/29
0146	34/35	34/35

A-27 Recovery Bend, Vertical, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone
0147	14/23	14/23
0148	19/26	19/26
0149	24/29	19/26
0150	24/29	24/29
0151	34/35	34/35

A-28 Plain Stillheads, Sloping, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone	Socket
0152	10/13	10/13	10/19
0153	14/23	14/23	14/23
0154	19/26	19/26	14/23
0155	19/26	19/26	19/26
0156	24/29	19/26	14/23
0157	24/29	24/29	14/23
0158	29/32	19/26	14/23
0159	29/32	29/32	14/23
0160	34/35	19/26	14/23
0161	34/35	24//29	14/23
0162	34/35	34/35	14/23

A-29 Claisen Heads, Sloping, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone	Socket
0163	14/23	14/23	14/23
0164	19/26	19/26	14/23
0165	24/29	19/26	14/23
0166	24/29	24/29	14/23
0167	29/32	29/32	14/23
0168	34/35	19/26	14/23

A-30 Splash Head Adapters, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
0169	19/26	24/29
0170	24/29	24/29

A-31 Splash Heads, Sloping, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone
0171	19/26	19/26
0172	24/29	19/26
0173	24/29	24/29
0174	29/32	19/26
0175	29/32	29/32
0176	34/35	19/26
0177	34/35	24/29
0178	34/35	34/35

A-32 Splash Heads, Vertical, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone
0179	19/26	19/26
0180	24/29	19/26
0181	24/29	24/29

A-33 Steam Distillation Heads, Sloping, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone
0182	24/29	19/26
0183	34/35	19/26

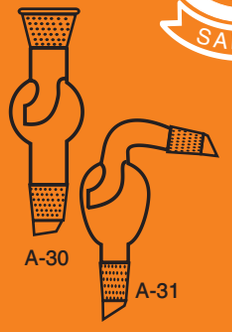
A-34 Splash Head, Double Bulb, Sloping, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone	Socket
0184	24/29	19/26	14/23

A-35 Anti-Foaming Splash Head, Sloping, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone	Socket
0185	24/29	19/26	14/23

Plain Adapters are catalogued in page 37



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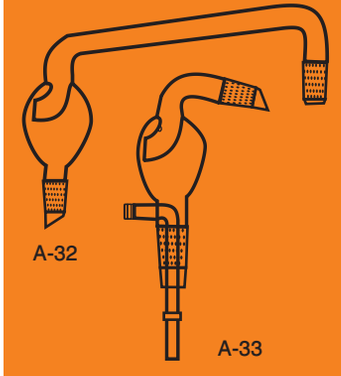

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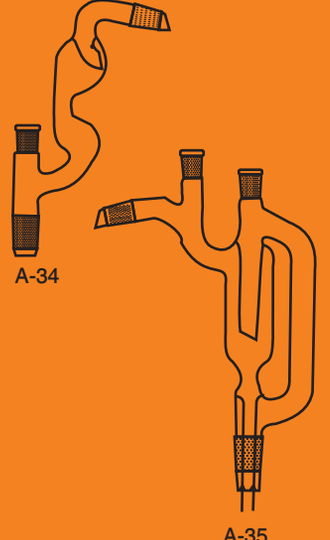

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A-36 Thermometers with Adjustable PTFE Cone, SAFIRE GLASSWARE

Cat. No.	Cone	Range
0186	10/19	-10° to 110° C
0187	10/19	0° to 250° C
0188	10/19	0° to 360° C
0189	14/23	-10° to 110° C
0190	14/23	0° to 250° C
0191	14/23	0° to 360° C
2312	19/26	-10° to 110° C
2313	19/26	0° to 250° C
2314	19/26	0° to 360° C

(These thermometers ARE NOT OF OUR MAKE.
In order to assemble full assemblies, we supply
the same with adjustable PTFE Cone)

A-37 Thermometer Pocket, Closed end, SAFIRE GLASSWARE

Cat. No.	Cone	Stem length mm
0192	14/23	42

A-38 Thermometer Pockets, Open end for Closing, SAFIRE GLASSWARE

Cat. No.	Cone	Stem length mm
0193	14/23	200
0194	14/23	400
0195	19/26	200
0196	19/26	400

A-39 AIR/Steam Inlet Tubes, Straight, SAFIRE GLASSWARE

Cat. No.	Cone	Stem length mm
0197	7/16	100
0198	10/19	100
0199	14/23	150
0200	19/26	150
0201	24/29	150
0202	29/32	150

A-40 AIR/Steam Inlet Tubes, Bent, SAFIRE GLASSWARE

Cat. No.	Cone	Stem length mm
0203	10/19	100
0204	14/23	150
0205	19/26	150
0206	24/29	150

A-42 Drying Tubes, Angled, SAFIRE GLASSWARE

Cat. No.	Cone
0207	10/19
0208	14/23
0209	19/26
0210	24/29
0211	29/32

A-42 Tube Adapters for Vacuum Release, SAFIRE GLASSWARE

Cat. No.	Cone
0212	19/26
0213	24/29

A-43 Tube Adapters for Vacuum Control, SAFIRE GLASSWARE

Cat. No.	Cone
0214	19/26
0215	24/29

B-1

B-2

B-3

B-4

B-1 Beakers, Low Form, with Spout,
SAFIRE GLASSWARE

Cat. No.	Cap. ml
0216	1
0217	5
0218	10
0219	25

B-2 Reagent Bottles, Narrow Mouth, Stoppered,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Joint
0220	30	14/15
0221	60	14/15
0222	125	19/20

B-3 Reagent Bottles, Narrow Mouth, with Screw Cap,
SAFIRE GLASSWARE

Cat. No.	Cap.ml	Screwcap Size
0223	30	24
0224	60	24
0225	125	24
2278	250	30
2279	500	30
2280	1000	36
2347	2000	36

B-4 Reagent Bottles, wide Mouth, with Screw Cap,
SAFIRE GLASSWARE

Cat. No.	Cap.ml	Screwcap Size
2429	100	45

B-5

B-75

B-6

B-7

B-8

B-5 Specific Gravity Bottles, with Capillary Bore Stopper, Unadjusted SAFIRE GLASSWARE

Cat. No.	Cap. ml	Joint
0228	5	10/15
0229	10	10/15
0230	25	10/15
0231	50	10/15
0232	100	10/15

B-75 Specific Gravity Bottles, with Capillary Bore Stopper, Adjusted, Actual Volume Marked,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Joint
2348	5	10/15
2349	10	10/15
2350	25	10/15
2351	50	10/15
2352	100	10/15

B-6 Specific Gravity Bottles, Weld, with Cap,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Internal Joint	External Joint
0233	10	10/13	14/15
0234	25	10/13	14/15
0235	50	10/13	14/15

B-7 Specific Gravity Bottles, Hubbard, Conical
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Joint
0236	25	24/10

B-8 Specific Gravity Bottles, Hubbard, Cylindrical,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Joint
0237	25	24/10

B-9

B-10

B-11

B-12

B-13

B-9 Weighing Bottles, Tall Form, Common Type, SAFIRE GLASSWARE

Cat. No.	Ht.x Dia. mm	Approx. Cap.ml	Joint Size
0238	40x20	5	19/10
0239	50x25	15	24/10
0240	60x30	25	29/12
0241	80x40	60	40/13

B-10 Weighing Bottles, Tall Form, Cap Type, SAFIRE GLASSWARE

Cat. No.	Ht.x Dia. mm	Approx. Cap.ml	Joint Size
0242	50x28	25	29/12
0243	60x38	55	40/13
0244	80x48	125	50/14

B-11 Weighing Bottles, Squat Form, Common Type, SAFIRE GLASSWARE

Cat. No.	Ht.x Dia. mm	Approx. Cap.ml	Joint Size
0245	35x40	20	40/13
0246	35x50	30	50/14
0247	35x60	40	55/15

B-12 Weighing Bottles, Squat Form, Cap Type, SAFIRE GLASSWARE

Cat. No.	Ht.x Dia. mm	Approx. Cap.ml	Joint Size
0248	35x38	25	40/13
0249	35x48	45	50/14

B-13 Pyknometers, SAFIRE GLASSWARE

Cat. No.	Cap. ml
0250	5
0251	10
0252	20
0253	25
0254	50

Bottles
Weighing

B-14 Dilatometer, SAFIRE GLASSWARE

Cat. No.	Description
0255	The body is graduated with an aribtrary scale with 14/23 joints

B-15 Lunge-Ray Weighing Pipette, SAFIRE GLASSWARE

Cat. No.	Compo-nents	Joint Size	Approx. Cap.ml
0256	a. pipette	10/19	4
	b. Cover tube	10/19	4
	c. Cover flask	10/19	25

B-16 Smith Weighing Burette, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Upper Joints	Lower Joints
0257	10	19/17	14/15

B-17 Absorption Bulb, Midvale, SAFIRE GLASSWARE

Cat. No.	Joint Size
0258	14/23

B-18 Absorption Bulb, Nesbitt, SAFIRE GLASSWARE

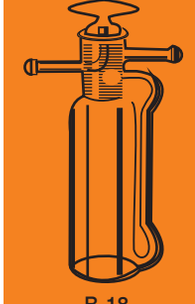
Cat. No.	Cap.ml.	Joint Size
0259	30	24/40

B-14

B-15

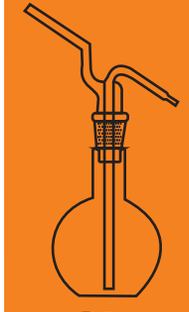
B-16

B-17


B-18

B-19

B-20



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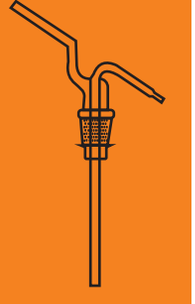


B-22

B-19 Dropping Bottles, With Pipette Stopper SAFIRE GLASSWARE

Cat. No.	Cap.ml	Joint Size
0260	30	14/15
0261	60	14/15
0262	125	19/20

B-20 Dropping Bottles, with Graduated Pipette Stopper, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Joint Size
0263	30	14/15
0264	60	14/15
0265	125	19/20

B-21 Wash Bottles, Complete SAFIRE GLASSWARE

Cat. No.	Cap.ml	Joint Size
0266	250	24/29
0267	500	24/29
0268	1000	24/29

B-22 Wash Bottle, Fitting Only, SAFIRE GLASSWARE

Cat. No.	For Cap. ml
0269	250
0270	500
0271	1000

Note :
Please refer Cat. No 1081, 1083 and 1085
For Spare Flask of Wash Bottles.

B-23 Gas Washing Bottles, Ordinary Complete (JOINT SIZE 29/32), SAFIRE GLASSWARE

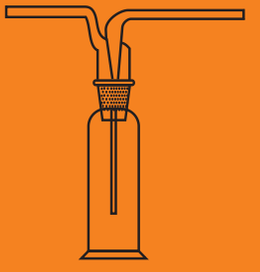
Cat. No.	Cap.ml
0272	125
0273	250
0274	500
2315	1000

B-24 Gas Washing Bottles, Bottle Only (JOINT SIZE 29/32), SAFIRE GLASSWARE

Cat. No.	Cap.ml
0275	125
0276	250
0277	500
2316	1000

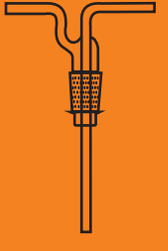
B-25 Gas Washing Bottles Fitting Only (JOINT SIZE 29/32), SAFIRE GLASSWARE

Cat. No.	For Cap.ml
0278	125
0279	250
0280	500
2317	1000



B-23

B-24

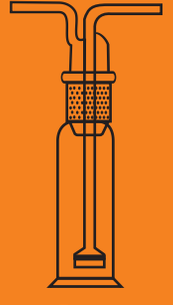


B-25

B-26

B-26 Gas Washing Bottles, with Sintered end for Downward Gas Distribution, Complete, (JOINT SIZE 29/32), SAFIRE GLASSWARE

Cat. No	Cap.ml	Disc Por
0281	125	0
0282	250	0
0283	500	0
0284	125	1
0285	250	1
0286	500	1
0287	125	2
0288	250	2
0289	500	2
0290	125	3
0291	250	3
0292	500	3



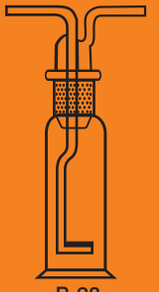
B-76

B-76 Gas Washing Bottles, with Sintered end for Upward Distribution, Narrow mouth, Complete, (JOINT SIZE 29/32), SAFIRE GLASSWARE

Cat. No	Cap.ml	Disc Por
2353	125	0
2354	250	0
2355	500	0
2356	1000	0
2357	125	1
2358	250	1
2359	500	1
2360	1000	1
2361	125	2
2362	250	2
2363	500	2
2364	1000	2
2365	125	3
2366	250	3
2367	500	3
2368	1000	3

B--28 Gas Washing Bottles with Sintered end for Upward gas Distribution Complete (JOINT SIZE 40/38), SAFIRE GLASSWARE

Cat. No	Cap.ml	Disc Por
0305	100	0
0306	250	0
0307	100	1
0308	250	1
0309	100	2
0310	250	2
0311	100	3
0312	250	3



B-28

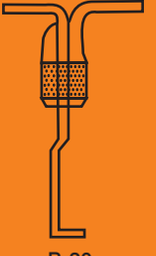
B-29 Gas Washing Bottles, with Sintered end for Upward Gas Distribution, Bottle Only (JOINT SIZE 40/38), SAFIRE GLASSWARE

Cat. No	Cap.ml
0313	100
0314	250

B-29

B-30 Gas Washing Bottles, with Sintered end for Upward Gas Distribution, Fitting Only (JOINT SIZE 40/38), SAFIRE GLASSWARE

Cat. No	Cap.ml	Disc Por
0315	100	0
0316	250	0
0317	100	1
0318	250	1
0319	100	2
0320	250	2
0321	100	3
0322	250	3



B-30

B-31

B-32

B-33

B-31 Burettes, Single Bore Glass Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0323	1	0.01	0.01
0324	2	0.02	0.02
0325	2	0.01	0.01
0326	5	0.05	0.04
0327	5	0.02	0.02
0328	10	0.1	0.05
0329	10	0.05	0.05
0330	25	0.1	0.1
0331	25	0.05	0.05
0332	50	0.1	0.1
0333	100	0.2	0.2

B-32 Burettes, Single Bore,Glass Key Stopcock, Class A, SAFIRE GLASSWARE

short line graduations and one-point works certificate

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0334	1	0.01	0.006
0335	2	0.02	0.01
0336	2	0.01	0.006
0337	5	0.05	0.02
0338	5	0.02	0.01
0339	10	0.1	0.03
0340	10	0.05	0.02
0341	25	0.1	0.05
0342	25	0.05	0.03
0343	50	0.1	0.05
0344	100	0.2	0.1

B-33 Burettes, Single Bore,Glass Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
0345	1	0.01	0.006
0346	2	0.02	0.01
0347	2	0.01	0.006
0348	5	0.05	0.02
0349	5	0.02	0.01
0350	10	0.1	0.03
0351	10	0.05	0.02
0352	25	0.1	0.05
0353	25	0.05	0.03
0354	50	0.1	0.05
0355	100	0.2	0.1

B-34 Burettes, Single Bore Screwcock, Class B, SAFIRE GLASSWARE

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0356	1	0.01	0.01
0357	2	0.02	0.02
0358	2	0.01	0.01
0359	5	0.05	0.04
0360	5	0.02	0.02
0361	10	0.1	0.05
0362	10	0.05	0.05
0363	25	0.1	0.1
0364	25	0.05	0.05
0365	50	0.1	0.1
0366	100	0.2	0.2

B-35 Burettes, SingleBore Screwcock, Class A, SAFIRE GLASSWARE

short line graduations and one-point works certificate.

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0367	1	0.01	0.006
0368	2	0.02	0.01
0369	2	0.01	0.006
0370	5	0.05	0.02
0371	5	0.02	0.01
0372	10	0.1	0.03
0373	10	0.05	0.02
0374	25	0.1	0.05
0375	25	0.05	0.03
0376	50	0.1	0.05
0377	100	0.2	0.1

Note : Please refer Cat. No.2262 & 2263
for spare screwcocks & plungers.

B-34

B-35

B-36

B-37

B-38

B-36 Buretes, Single Bore PTFE Key Stopcock
Class B, SAFIRE GLASSWARE

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0378	1	0.01	0.01
0379	2	0.02	0.02
0380	2	0.01	0.01
0381	5	0.05	0.04
0382	5	0.02	0.02
0383	10	0.1	0.05
0384	10	0.05	0.05
0385	25	0.1	0.1
0386	25	0.05	0.05
0387	50	0.1	0.1
0388	100	0.2	0.2

B-37 Burettes, Single Bore,PTFE Key Stopcock
Class A, SAFIRE GLASSWARE
short line graduations and one-point works certificate

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0389	1	0.01	0.006
0390	2	0.02	0.01
0391	2	0.01	0.006
0392	5	0.05	0.02
0393	5	0.02	0.01
0394	10	0.1	0.03
0395	10	0.05	0.02
0396	25	0.1	0.05
0397	25	0.05	0.03
0398	50	0.1	0.05
0399	100	0.2	0.1

B-38 Burettes, Single Bore,PTFE Key Stopcock
Class A, SAFIRE GLASSWARE
Long line graduations and five-point works certificate

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
0400	1	0.01	0.006
0401	2	0.02	0.01
0402	2	0.01	0.006
0403	5	0.05	0.02
0404	5	0.02	0.01
0405	10	0.1	0.03
0406	10	0.05	0.02
0407	25	0.1	0.05
0408	25	0.05	0.03
0409	50	0.1	0.05
0410	100	0.2	0.1

B-39

B-40

B-41

B-39 Burettes, Double Bore Glass Key Stopcock
Class B, SAFIRE GLASSWARE

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0411	1	0.01	0.01
0412	2	0.02	0.02
0413	2	0.01	0.01
0414	5	0.05	0.04
0415	5	0.02	0.02
0416	10	0.1	0.05
0417	10	0.05	0.05
0418	25	0.1	0.1
0419	25	0.05	0.05
0420	50	0.1	0.1
0421	100	0.2	0.2

B-40 Burettes, Double Bore Glass Key Stopcock
Class A, SAFIRE GLASSWARE
short line graduations and one-point works certificate.

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0422	1	0.01	0.006
0423	2	0.02	0.01
0424	2	0.01	0.006
0425	5	0.05	0.02
0426	5	0.02	0.01
0427	10	0.1	0.03
0428	10	0.05	0.02
0429	25	0.1	0.05
0430	25	0.05	0.03
0431	50	0.1	0.05
0432	100	0.2	0.1

B-41Burettes, Double Bore Glass Key Stopcock
Class A, SAFIRE GLASSWARE
Long line graduations and five-point works certificate

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0433	1	0.01	0.006
0434	2	0.02	0.01
0435	2	0.01	0.006
0436	5	0.05	0.02
0437	5	0.02	0.01
0438	10	0.1	0.03
0439	10	0.05	0.02
0440	25	0.1	0.05
0441	25	0.05	0.03
0442	50	0.1	0.05
0443	100	0.2	0.1

B-42

B-43

B-42 Burettes, Double Bore Screwcock, Class B, SAFIRE GLASSWARE

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0444	1	0.01	0.01
0445	2	0.02	0.02
0446	2	0.01	0.01
0447	5	0.05	0.04
0448	5	0.02	0.02
0449	10	0.1	0.05
0450	10	0.05	0.05
0451	25	0.1	0.1
0452	25	0.05	0.05
0453	50	0.1	0.1
0454	100	0.2	0.2

B-43 Burettes, Double Bore Screwcock, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0455	1	0.01	0.006
0456	2	0.02	0.01
0457	2	0.01	0.006
0458	5	0.05	0.02
0459	5	0.02	0.01
0460	10	0.1	0.03
0461	10	0.05	0.02
0462	25	0.1	0.05
0463	25	0.05	0.03
0464	50	0.1	0.05
0465	100	0.2	0.1

Burettes
Double bore

B-44 Burettes, Double Bore PTFE Key Stopcock Class B, SAFIRE GLASSWARE

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0466	1	0.01	0.01
0467	2	0.02	0.02
0468	2	0.01	0.01
0469	5	0.05	0.04
0470	5	0.02	0.02
0471	10	0.1	0.05
0472	10	0.05	0.05
0473	25	0.1	0.1
0474	25	0.05	0.05
0475	50	0.1	0.1
0476	100	0.2	0.2

B-45 Burettes, Double Bore PTFE Key Stopcock Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0477	1	0.01	0.006
0478	2	0.02	0.01
0479	2	0.01	0.006
0480	5	0.05	0.02
0481	5	0.02	0.01
0482	10	0.1	0.03
0483	10	0.05	0.02
0484	25	0.1	0.05
0485	25	0.05	0.03
0486	50	0.1	0.05
0487	100	0.2	0.1

B-46Burettes, Double Bore PTFE Key Stopcock Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate

Cat. No	Cap. ml	Sub-dvn ml	Tol ± ml
0488	1	0.01	0.006
0489	2	0.02	0.01
0490	2	0.01	0.006
0491	5	0.05	0.02
0492	5	0.02	0.01
0493	10	0.1	0.03
0494	10	0.05	0.02
0495	25	0.1	0.05
0496	25	0.05	0.03
0497	50	0.1	0.05
0498	100	0.2	0.1

B-44

B-45

B-46

B-47

B-48

B-49

B-47 Burettes, Overflow Cup, Glass Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0499	10	0.05	0.05
0500	25	0.1	0.1
0501	50	0.1	0.1
0502	100	0.2	0.2

B-48 Burettes, Overflow Cup, Glass Key Stopcock, Class A, SAFIRE GLASSWARE

short line graduations and one-point works certificate

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0503	10	0.05	0.02
0504	25	0.1	0.05
0505	50	0.1	0.05
0506	100	0.2	0.1

B-49 Burettes, Overflow Cup, Glass Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0507	10	0.05	0.02
0508	25	0.1	0.05
0509	50	0.1	0.1
0510	100	0.2	0.1

Burettes
Overflow cup

B-50 Burettes, Overflow Cup, Double Bore Screwcock,Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0511	10	0.05	0.05
0512	25	0.1	0.1
0513	50	0.1	0.1
0514	100	0.2	0.2

B-51 Burettes, Overflow Cup, Double Bore Screwcock, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0515	10	0.05	0.02
0516	25	0.1	0.05
0517	50	0.1	0.05
0518	100	0.2	0.1

B-50

B-51

B-52

B-53

B-54

B-52 Burettes, Overflow Cup, PTFE Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0519	10	0.05	0.05
0520	25	0.1	0.1
0521	50	0.1	0.1
0522	100	0.2	0.2

B-53 Burettes, Overflow Cup, PTFE Key Stopcock, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0523	10	0.05	0.02
0524	25	0.1	0.05
0525	50	0.1	0.05
0526	100	0.2	0.1

B-54 Burettes, Overflow Cup, PTFE Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0527	10	0.05	0.02
0528	25	0.1	0.05
0529	50	0.1	0.05
0530	100	0.2	0.1

B-55 Burettes, Centre Filling Glass Key Stopcock, Class B, SAFIRE GLASSWARE

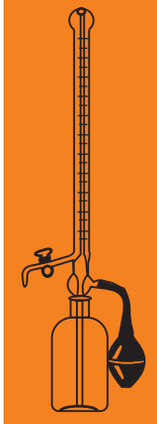
Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0531	10	0.05	0.05
0532	20	0.1	0.1
0533	25	0.1	0.1

B-56 Burettes, Centre Filling, PTFE Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0534	10	0.05	0.05
0535	20	0.1	0.1
0536	25	0.1	0.1

Note :

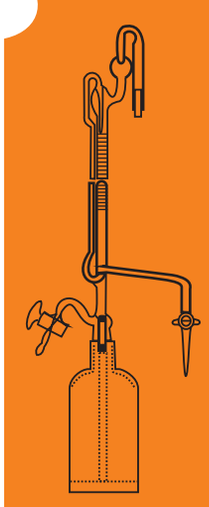
For Burette Cap. ml	Reservoir Cap. ml
10, 20 & 25	500



B-55

B-56

Burettes
Pressure Filling



B-57

B-58

B-59

B-57 Burettes, Pressure Filling Glass Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0537	5	0.05	0.04
0538	10	0.05	0.05
0539	25	0.1	0.1
0540	50	0.1	0.1
0541	100	0.2	0.2

B-58 Burettes, Pressure Filling Glass Key Stopcock, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0542	5	0.05	0.02
0543	10	0.05	0.02
0544	25	0.1	0.05
0545	50	0.1	0.05
0546	100	0.2	0.1

B-59 Burettes, Pressure Filling Glass Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0547	5	0.05	0.02
0548	10	0.05	0.02
0549	25	0.1	0.05
0550	50	0.1	0.05
0551	100	0.2	0.1

Note :

For Burette Cap. ml	Reservoir Cap. ml
5, 10	500
25	1000
50,100	2000

B-60 Burettes, Pressure Filling, PTFE Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0552	5	0.05	0.04
0553	10	0.05	0.05
0554	25	0.1	0.1
0555	50	0.1	0.1
0556	100	0.2	0.2

B-61 Burettes, Pressure Filling, PTFE Key Stopcock, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

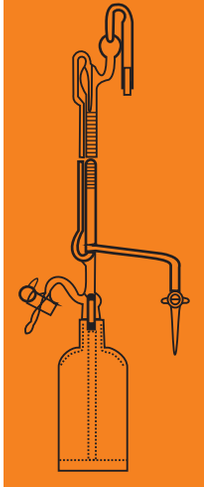
Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0557	5	0.05	0.02
0558	10	0.05	0.02
0559	25	0.1	0.05
0560	50	0.1	0.05
0561	100	0.2	0.1

B-62 Burettes, Pressure Filling, PTFE Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0562	5	0.05	0.02
0563	10	0.05	0.02
0564	25	0.1	0.05
0565	50	0.1	0.05
0566	100	0.2	0.1

B-60



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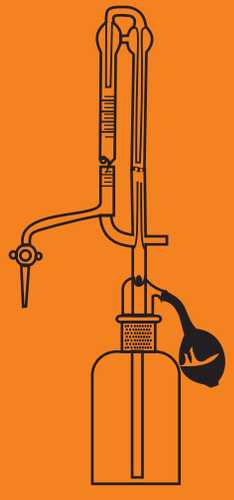
B-62



B-63

B-64

B-65

B-63 Burettes, Pressure Filling Enclosed Syphon, Glass Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0567	5	0.05	0.04
0568	10	0.05	0.05
0569	25	0.1	0.1
0570	50	0.1	0.1
0571	100	0.2	0.2

B-64 Burettes, Pressure Filling Enclosed Syphon, Glass Key Stopcock, Class A, SAFIRE GLASSWARE

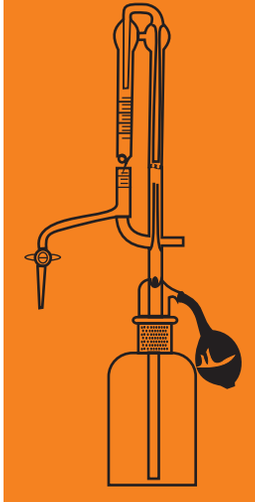
Short line graduations and one-point works certificate

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0572	5	0.05	0.02
0573	10	0.05	0.02
0574	25	0.1	0.05
0575	50	0.1	0.05
0576	100	0.2	0.1

B-65 Burettes, Pressure Filling Enclosed Syphon, Glass Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0577	5	0.05	0.02
0578	10	0.05	0.02
0579	25	0.1	0.05
0580	50	0.1	0.05
0581	100	0.2	0.1



B-66

B-67

B-68

B-66 Burettes, Pressure Filling Enclosed Syphon, PTFE Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0582	5	0.05	0.04
0583	10	0.05	0.05
0584	25	0.1	0.1
0585	50	0.1	0.1
0586	100	0.2	0.2

B-67 Burettes, Pressure Filling Enclosed Syphon, PTFE Key Stopcock, Class A, SAFIRE GLASSWARE

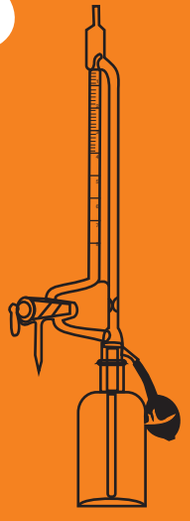
Short line graduations and one-point works certificate

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0587	5	0.05	0.02
0588	10	0.05	0.02
0589	25	0.1	0.05
0590	50	0.1	0.05
0591	100	0.2	0.1

B-68 Burettes, Pressure Filling Enclosed Syphon, PTFE Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0592	5	0.05	0.02
0593	10	0.05	0.02
0594	25	0.1	0.05
0595	50	0.1	0.05
0596	100	0.2	0.1



B-69

B-70

B-71

B-69 Burettes, Pressure Filling Excess Store Back
Glass Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0597	10	0.05	0.05
0598	25	0.1	0.1
0599	50	0.1	0.1
0600	100	0.2	0.2

B-70 Burettes, Pressure Filling Excess Store Back
Glass Key Stopcock, Class A, SAFIRE GLASSWARE

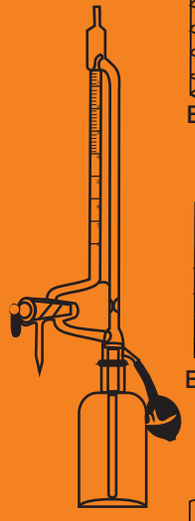
Short line graduations and one-point works certificate

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0601	10	0.05	0.02
0602	25	0.1	0.05
0603	50	0.1	0.05
0604	100	0.2	0.1

B-71 Burettes, Pressure Filling Excess Store Back
Glass Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0605	10	0.05	0.02
0606	25	0.1	0.05
0607	50	0.1	0.05
0608	100	0.2	0.1



B-72

B-73

B-74

B-72 Burettes, Pressure Filling Excess Store Back
PTFE Key Stopcock, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0609	10	0.05	0.05
0610	25	0.1	0.1
0611	50	0.1	0.1
0612	100	0.2	0.2

B-73 Burettes, Pressure Filling Excess Store Back
PTFE Key Stopcock, Class A, SAFIRE GLASSWARE

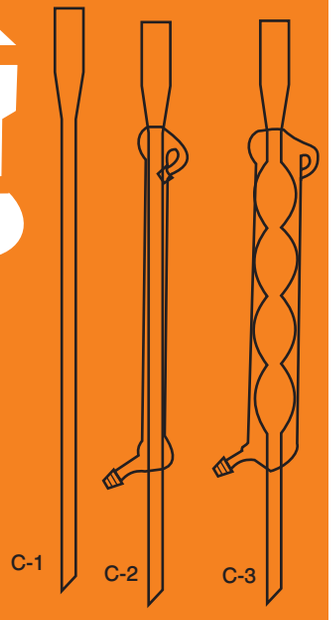
Short line graduations and one-point works certificate

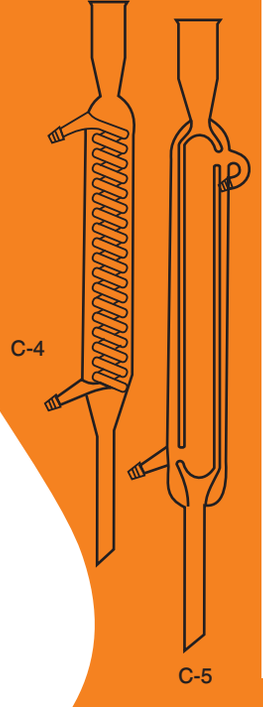
Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0613	10	0.05	0.02
0614	25	0.1	0.05
0615	50	0.1	0.05
0616	100	0.2	0.1

B-74 Burettes, Pressure Filling Excess Store Back
PTFE Key Stopcock, Class A, SAFIRE GLASSWARE

Long line graduations and five-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0617	10	0.05	0.02
0618	25	0.1	0.05
0619	50	0.1	0.05
0620	100	0.2	0.1





C-1 Condensers, Air, SAFIRE GLASSWARE

Cat. No.	Length mm	Tube Dia mm
0621	300	13
0622	450	13

C-2 Condensers, Liebig, SAFIRE GLASSWARE

Cat. No.	Length mm	Body Dia mm
0623	100	20
0624	200	20
0625	300	25
0626	400	25
0627	500	25
0628	600	25

C-3 Condensers, Allihn, SAFIRE GLASSWARE

Cat. No.	Length mm	Body Dia mm
0629	200	34
0630	300	34
0631	400	34
0632	500	34

C-4 Condensers, Graham, SAFIRE GLASSWARE

Cat. No.	Length mm	Body Dia mm
0633	200	34
0634	300	34
0635	400	34
0636	500	34

C-5 Condensers, Davies (DOUBLE SURFACE), SAFIRE GLASSWARE

Cat. No.	Length mm	Body Dia mm
0637	200	40
0638	300	40

C-6 Condensers, Thorpe (INLAND REVENUE), SAFIRE GLASSWARE

Cat. No.	Length mm	Body Dia mm
0639	200	65

C-7 Condensers, Hopkin (REFLUX), SAFIRE GLASSWARE

Cat. No.	Length mm	Body Dia mm
0640	300	30
0641	400	30

C-8 Bulbs Connecting, Sloping, Kjeldahl, SAFIRE GLASSWARE

Cat. No.	Bulb Dia mm
0642	50
0643	65

C-9 Bulbs Connecting, Vertical, Kjeldahl, SAFIRE GLASSWARE

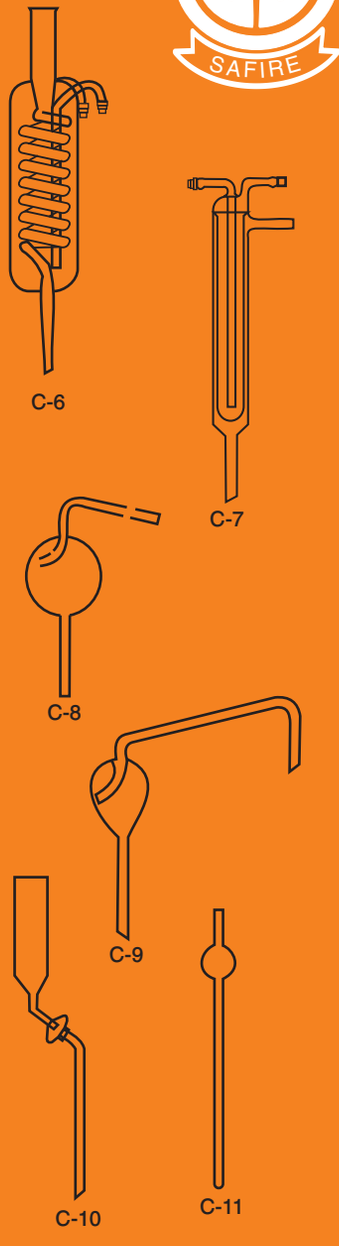
Cat. No.	Bulb Dia mm
0644	50

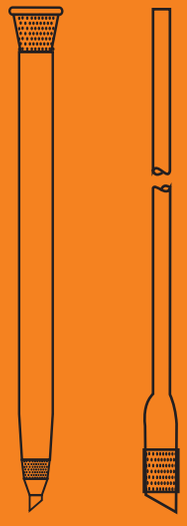
C-10 Funnel Connecting Bent, (FOR KJELDAHL ASSEMBLY), SAFIRE GLASSWARE

Cat. No.	Cap. ml
0645	100

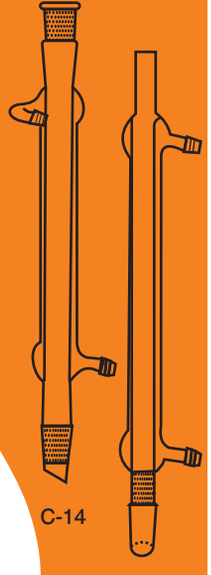
C-11 Absorber, (FOR KJELDAHL ASSEMBLY), SAFIRE GLASSWARE

Cat. No.	Bulb Dia mm
0646	40





C-12 C-13



C-14 C-15

C-12 Condensers, Air, SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0647	10/19	100
0648	14/23	200
0649	19/26	200
0650	19/26	300
0651	19/26	400
0652	19/26	500
0653	19/26	600
0654	24/29	400
0655	24/29	600

C-13 Condensers, Air, Vertical, SAFIRE GLASSWARE

Cat. No.	Cone	Length mm
0656	14/23	400
0657	19/26	400
0658	24/29	500

C-14 Condensers, Liebig, SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0659	10/19	60
0660	10/19	100
0661	14/23	150
0662	19/26	200
0663	19/26	300
0664	19/26	400
0665	19/26	500
0666	24/26	200
0667	24/26	300
0668	24/26	400
0669	24/26	500
0670	29/32	400
0671	29/32	500
0672	34/35	500

C-15 Condensers, Liebig, Vertical, SAFIRE GLASSWARE

Cat. No.	Cone	Length mm
0673	19/26	300
0674	19/26	400
0675	19/26	500
0676	24/29	400
0677	24/29	500

C-16 Condensers,Coil (GRAHAM), SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0678	19/26	150
0679	19/26	300
0680	24/29	150
0681	24/29	300
0682	29/32	150
0683	29/32	300

C-17 Condensers,Coil (GRAHAM), Vertical, SAFIRE GLASSWARE

Cat. No.	Cone	Length mm
0684	29/32	150
0685	34/35	150
0686	40/38	200
0687	45/40	200
0688	50/42	200

C-18 Condensers, Coil Reversible, SAFIRE GLASSWARE

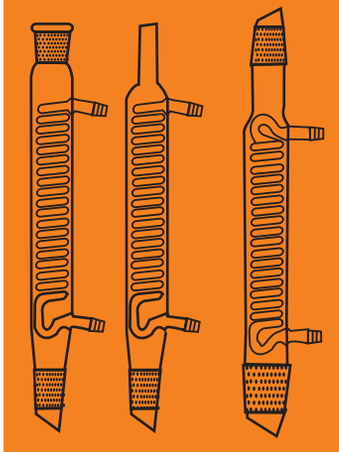
Cat. No.	Cone	Length mm
0689	19/26 & 24/29	150
0690	24/29 & 34/35	150

C-19 Condensers, Jacketed Coil, SAFIRE GLASSWARE

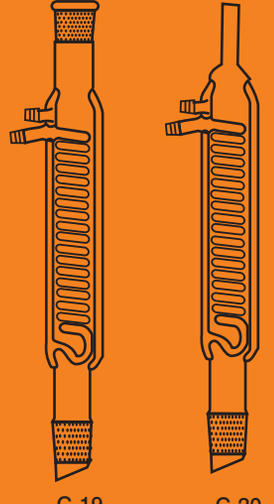
Cat. No.	Joint	Length mm
0691	19/26	150
0692	24/29	150
0693	29/32	150

C-20 Condensers, Jacketed Coil, Vertical, SAFIRE GLASSWARE

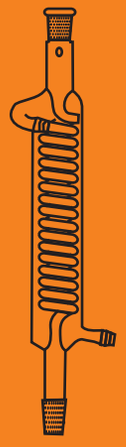
Cat. No.	Cone	Length mm
0694	34/35	150



C-16 C-17 C-18



C-19 C-20



C-21

C-22

C-23

C-24

C-21 Condensers, Coiled Distillate, SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0695	14/23	180
0696	19/26	200
0697	24/29	300
0698	24/29	400
0699	24/29	500

C-22 Condensers, Independent Double Coil, SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0700	19/26	200
0701	24/29	200

C-23 Condensers, Combined Double Coil, SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0702	29/32	230
0703	29/32	380
0704	34/35	230
0705	34/35	380

C-24 Condenser, Triple Coil, SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0706	45/40	425

C-25 Condensers, Inland Revenue (THORPE), SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0707	19/26	200
0708	24/29	200

C-26 Condenser, Ether, SAFIRE GLASSWARE

Cat. No.	Socket	Cone	Length mm
0709	19/26	24/29	180

C-27 Condenser, Vertical Distillate, SAFIRE GLASSWARE

Cat. No.	Cone	Height mm
0710	34/35	350

C-28 Condenser, Immersion (COLD FINGER), SAFIRE GLASSWARE

Cat. No.	Cone	Length mm
0711	19/26	100

C-25

C-26

C-27

C-28

C-29

C-30

C-29 Condensers, Double Surface (DAVIES), SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0712	10/19	100
0713	14/23	150
0714	19/26	200
0715	19/26	300
0716	24/29	200
0717	24/29	300

C-30 Condensers, Double Surface (DAVIES), Vertical, SAFIRE GLASSWARE

Cat. No.	Cone	Length mm
0718	24/29	200
0719	29/32	200
0720	34/35	200
0721	40/38	300
0722	45/40	300
0723	50/42	300

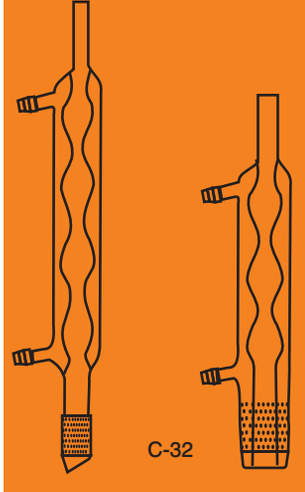
C-29 Condensers, Allihn, SAFIRE GLASSWARE

Cat. No.	Joint	Length mm
0724	24/29	300
0725	24/29	400
0726	24/29	500
0727	24/29	600

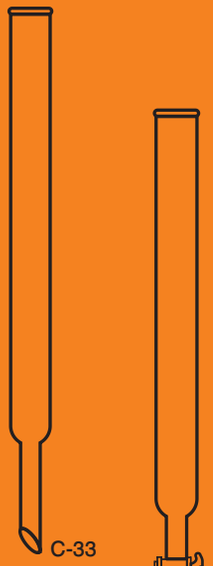
C-29 Condensers, Allihn, Vertical, SAFIRE GLASSWARE

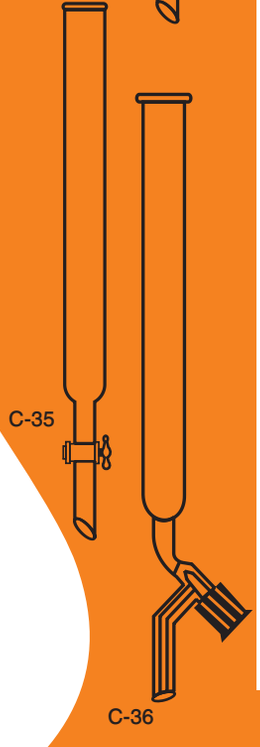
Cat. No.	Joint	Length mm
0728	19/26	200
0729	24/29	200
0730	29/32	200
0731	34/35	200
0732	40/38	200
0733	45/40	300
0734	50/42	300

C-31



C-32





C-33 Chromatography Columns, Plain, SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm
0735	10	150
0736	10	300
0737	18	300
0738	18	450
0739	30	450
0740	30	600

C-34 Chromatography Columns, Plain with Stopcock, SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm
0741	10	150
0742	10	300
0743	18	300
0744	18	450
0745	30	450
0746	30	600

C-35 Chromatography Columns, Plain with Stopcock (PTFE PLUG), SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm
0747	10	150
0748	10	300
0749	18	300
0750	18	450
0751	30	450
0752	30	600

C-36 Columns, Chromatography Plain with Screwcock , SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm
0753	10	150
0754	10	300
0755	18	300
0756	18	450
0757	30	450
0758	30	600

Columns
Chromatography

C-37 Chromatography Columns with Sintered Disc, SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm
0759	10	150
0760	10	300
0761	18	300
0762	18	450
0763	30	450
0764	30	600

C-38 Chromatography Columns with Sintered Disc and Stopcock, SAFIRE GLASSWARE

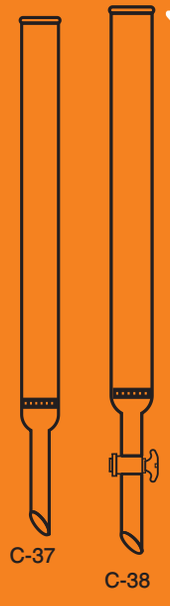
Cat. No.	Bore mm	Length mm
0765	10	150
0766	10	300
0767	18	300
0768	18	450
0769	30	450
0770	30	600
0771	As specified by ISI	

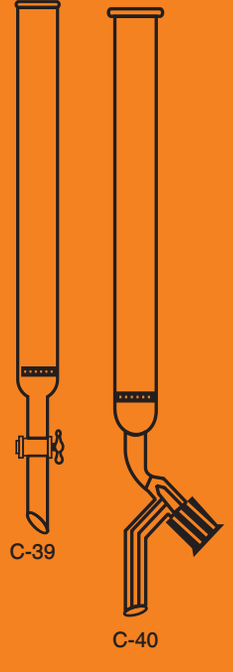
C-39 Chromatography Columns, with Sintered Disc and Stopcock (PTFE PLUG), SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm
0772	10	150
0773	10	300
0774	18	300
0775	18	450
0776	30	450
0777	30	600

C-40 Columns, Chromatography with Sintered Disc and Stopcock , SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm
0778	10	150
0779	10	300
0780	18	300
0781	18	450
0782	30	450
0783	30	600





C-41

C-42

C-44

C-45

C-43

C-41 Fractionating Columns, Vigreux, SAFIRE GLASSWARE

Cat. No.	Socket	Cone	Length mm
0784	24/29	24/29	360
0785	24/29	24/29	600
0786	29/32	29/32	360
0787	29/32	29/32	600

C-42 Fractionating Columns, Plain, SAFIRE GLASSWARE

Cat. No.	Socket	Cone	Length mm
0788	24/29	24/29	250
0789	24/29	24/29	500
0790	24/29	24/29	750
0791	29/32	29/32	500
0792	34/35	34/35	500

C-43 Fractionating Columns, Vacuum-jacketed, Vigreux, SAFIRE GLASSWARE

Cat. No.	Jacket Length mm	Cone Size	Socket Size
0793	360	19/26	24/29

C-44 Packing Supports, SAFIRE GLASSWARE

Cat. No.	To Fit Socket	Dia. mm
0794	19/26	16
0795	24/29	21
0796	29/32	25
0797	34/35	29
0798	40/38	35

C-45 Raschig Rings for Packing, SAFIRE GLASSWARE

Cat. No.	Dia. mm	Length mm
0799	6	6
0800	9	9

** withdrawn

C-46

C-47

C-48

C-46 Chromatography Columns, with Integral Sinter, SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm	Socket Size	Cone Size
0801	10	200	14/23	19/26
0802	10	300	14/23	19/26
0803	10	400	14/23	19/26
0804	18	200	24/29	19/26
0805	18	300	24/29	19/26
0806	18	400	24/29	19/26
0807	30	200	34/35	24/29
0808	30	300	34/35	24/29
0809	30	400	34/35	24/29

C-47 Chromatography Columns, with Integral Sinter And Stopcock, SAFIRE GLASSWARE

Cat. No.	Bore mm	Length mm	Socket Size	Cone Size
0810	10	100	14/23	19/26
0811	10	200	14/23	19/26
0812	10	300	14/23	19/26
0813	18	100	24/29	19/26
0814	18	200	24/29	19/26
0815	18	300	24/29	19/26
0816	30	200	34/35	24/29
0817	30	300	34/35	24/29
0818	30	400	34/35	24/29

C-48 Spray for Chromatography, SAFIRE GLASSWARE

Cat. No.	Cap. ml
0819	25
0820	50
0821	100

C-49

C-49 Measuring Cylinders, Stoppered, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0822	5	0.1	0.1
0823	10	0.2	0.2
0824	25	0.5	0.5
0825	50	1.0	1.0
0826	100	1.0	1.0
0827	250	2.0	2.0
0828	500	5.0	5.0
0829	1000	10.0	10.0

C-50

C-50 Measuring Cylinders, Stoppered, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

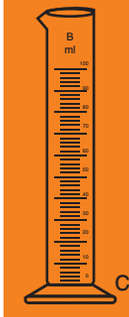
Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0830	5	0.1	0.05
0831	10	0.2	0.10
0832	25	0.5	0.25
0833	50	1.0	0.50
0834	100	1.0	0.50
0835	250	2.0	1.00
0836	500	5.0	2.50
0837	1000	10.0	5.00

C-51

C-51 Measuring Cylinders, Stoppered, Class A, SAFIRE GLASSWARE

Long line graduations and two-point works certificate.

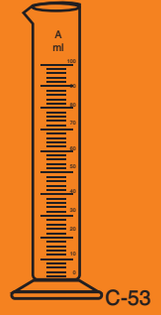
Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0838	5	0.1	0.05
0839	10	0.2	0.10
0840	25	0.5	0.25
0841	50	1.0	0.50
0842	100	1.0	0.50
0843	250	2.0	1.00
0844	500	5.0	2.50
0845	1000	10.0	5.00



C-52

C-52 Measuring Cylinders, with Spout, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0846	5	0.1	0.1
0847	10	0.2	0.2
0848	25	0.5	0.5
0849	50	1.0	1.0
0850	100	1.0	1.0
0851	250	2.0	2.0
0852	500	5.0	5.0
0853	1000	10.0	10.0



C-53

C-53 Measuring Cylinders, with Spout, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

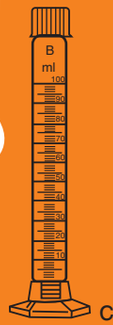
Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0854	5	0.1	0.05
0855	10	0.2	0.10
0856	25	0.5	0.25
0857	50	1.0	0.50
0858	100	1.0	0.50
0859	250	2.0	1.00
0860	500	5.0	2.50
0861	1000	10.0	5.00

C-54 Measuring Cylinders, with Spout, Class A, SAFIRE GLASSWARE

Long line graduations and two-point works certificate.

Cat. No.	Cap. ml	Sub-dvn. ml	Tol ±ml
0862	5	0.1	0.05
0863	10	0.2	0.10
0864	25	0.5	0.25
0865	50	1.0	0.50
0866	100	1.0	0.50
0867	250	2.0	1.00
0868	500	5.0	2.50
0869	1000	10.0	5.00

C-54



C-55

C-56

C-57

C-55 Meauring Cylinders, with Screwcap, Detachable Plastic, Hexagonal Base, Class 'B', SAFIRE GLASSWARE

Cat. No	Cap. ml.	Sub-dvn. ml	Screw-cap size	Tol ± ml
0870	25	0.5	18	0.5
0871	50	1.0	24	1.0
0872	100	1.0	30	1.0

C-56 Meauring Cylinders, with Spout, Detachable Plastic, Hexagonal Base, Class 'B', SAFIRE GLASSWARE

Cat. No	Cap. ml.	Sub-dvn. ml	Tol ± ml
0873	25	0.5	0.5
0874	50	1.0	1.0
0875	100	1.0	

C-57 Meauring Cylinders for Suspensibility Test, SAFIRE GLASSWARE

Cat. No	Description
0876	250 ml Capacity with stopper,. The distance between 0 and 250ml marks shall be 210 ± 5mm. There shall be an extra mark at 25ml to easy withdrawal of nine-tenths of the suspension.

C-58 Nessier Cylinders, SAFIRE GLASSWARE

Cat. No	Description	Tol ± ml
0877	50ml, single	0.4
2318	50ml, single marked at 25, 50	0.4
0878	100ml, single	0.8
2319	100ml, single marked at 50, 100	0.8
0879	50ml, in matched pairs	0.4
0880	100ml, in matched pairs	0.8

C-59 Crow Receivers, Class B, SAFIRE GLASSWARE

Cat. No	Cap. ml	Tol ± ml
0881	25	0.1 & 0.2
0882	50	0.2 & 0.4
0883	100	0.4 & 0.8

C-60Crow Receivers, Class A, with Works Cretificate, SAFIRE GLASSWARE

Cat. No	Cap. ml	Tol ± ml
0884	25	0.04 & 0.1
0885	50	0.1 & 0.2
0886	100	0.2 & 0.4

C-58

C-59

C-60

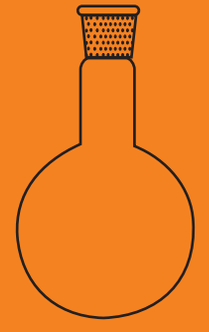
F-1

F- 1 Round Bottom Flasks, Short Neck,
SAFIRE GLASSWARE

Cat. No	Cap.ml	Side Socket
0887	50	14/23
0888	50	19/26
0889	50	24/29
0890	50	29/32
0891	50	34/35
0892	100	14/23
0893	100	19/26
0894	100	24/29
0895	100	29/32
0896	100	34/35
0897	150	19/26
0898	150	24/29
0899	150	29/32
0900	150	34/35
0901	250	14/23
0902	250	19/26
0903	250	24/29
0904	250	29/32
0905	250	34/35
0906	500	14/23
0907	500	19/26
0908	500	24/29
0909	500	29/32
0910	500	34/35
0911	1000	19/26
0912	1000	24/29
0913	1000	29/32
0914	1000	34/35
0915	1000	45/40
0916	1000	55/44
0917	2000	24/29
0918	2000	29/32
0919	2000	34/35
0920	2000	45/40
0921	3000	24/29
0922	3000	29/32
0923	3000	34/35
0924	3000	45/40
0925	3000	55/44
0926	5000	24/29
0927	5000	29/32
0928	5000	34/35
0929	5000	45/40
0930	5000	55/44

F-2 Round Bottom Flasks, Medium Neck,
SAFIRE GLASSWARE

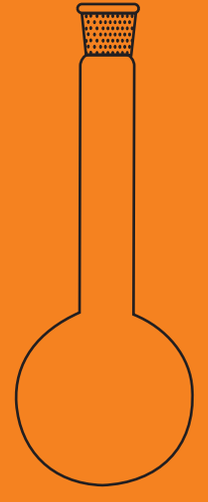
Cat. No	Cap.ml.	Socket
0935	50	14/23
0936	50	19/26
0937	50	24/29
0938	100	14/23
0939	100	19/26
0940	100	24/29
0941	150	19/26
0942	150	24/29
0943	150	29/32
0944	250	19/26
0945	250	24/29
0946	250	29/32
0947	500	19/26
0948	500	24/29
0949	500	29/32
0950	500	34/35
0951	1000	24/29
0952	1000	29/32
0953	1000	34/35
0954	2000	24/29
0955	2000	34/35
0956	3000	24/29



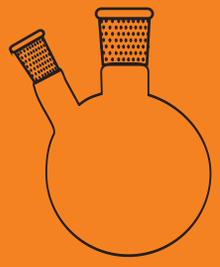
F-2

F-3 Round Bottom Flasks, Long Neck,
SAFIRE GLASSWARE

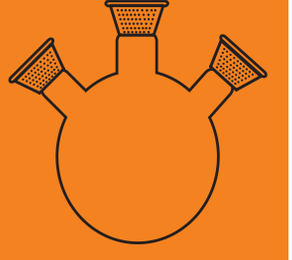
Cat. No	Cap.ml.	Socket
0957	100	24/29
0958	100	29/32
0959	250	24/29
0960	250	29/32
0961	500	24/29
0962	500	29/32
0963	1000	24/29
0964	1000	29/32



F-3



F-4



F-5

F-4 Round Bottom Flasks, Two Necks, Centre Neck and One Angled side Neck, SAFIRE GLASSWARE

Cat. No	Cap.ml	Centere Socket	Side Socket
0965	100	24/29	14/23
0966	100	24/29	19/26
0967	250	24/29	14/23
0968	250	24/29	19/26
0969	500	24/29	14/23
0970	500	24/29	19/26
0971	1000	24/29	14/23
0972	1000	24/29	19/26
0973	2000	24/29	14/23
0974	2000	24/29	19/26
0975	2000	34/35	19/26
0976	3000	34/35	19/26
0977	5000	34/35	19/26

F- 5 Round Bottom Flasks, Three Necks, Centre Neck and Two Angled side Necks, SAFIRE GLASSWARE

Cat. No	Cap.ml	Centre Socket	Side Socket
0978	100	14/23	14/23
0979	100	19/26	14/23
0980	100	24/29	14/23
0981	100	.24/29	19/26
0982	250	19/26	14/23
0983	250	19/26	19/26
0984	250	24/29	14/23
0985	250	24/29	19/26
0986	250	29/32	14/23
0987	250	29/32	19/26
0988	500	19/26	14/23
0989	500	19/26	19/26
0990	500	24/29	14/23
0991	500	24/29	19/26
0992	500	29/32	14/23
0993	500	29/32	19/26
0994	1000	24/29	14/23
0995	1000	24/29	19/26
0996	1000	34/35	19/26
0997	2000	24/29	14/23
0998	2000	24/29	19/26
0999	2000	34/35	19/26
1000	3000	34/35	19/26
1001	5000	34/35	19/26
** 1002	10000	34/35	24/29
** 1003	10000	45/40	24/29
** 1004	10000	55/44	24/29
** 1005	20000	55/44	24/29

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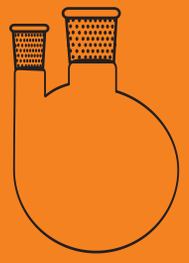
F-6 Round Bottom Flasks, Two Necks, Centre Neck and One Parallel Neck, SAFIRE GLASSWARE

Cat. No	Cap. ml	Centre Socket	Side Socket
1006	500	29/32	14/23
1007	1000	29/32	14/23



F-6

F-7 Round Bottom Flasks, Three Necks, All Neck Parallel, SAFIRE GLASSWARE

Cat. No	Cap. ml	Centre Socket	Side Socket
1008	250	24/29	14/23
1009	250	24/29	19/26
1010	250	29/32	14/23
1011	250	29/32	19/26
1012	500	24/29	14/23
1013	500	24/29	19/26
1014	500	29/.32	14/23
1015	500	29/32	19/26
1016	1000	24/29	14/23
1017	1000	24/29	19/26
1018	1000	24/29	24/29
1019	1000	29/32	14/23
1020	1000	29/32	19/26
1021	1000	34/35	19/26
1022	1000	34/35	24/29
1023	1000	45/40	19/26
1024	1000	45/40	24/29
1025	2000	24/29	14/23
1026	2000	24/29	19/26
1027	2000	24/29	24/29
1028	2000	29/32	14/23
1029	2000	29/32	19/26
1030	2000	34/35	19/26
1031	2000	34/35	24/29
1032	2000	45/40	19/26
1033	2000	45/40	24/29
1034	3000	34/35	19/26
1035	3000	34/35	24/29
1036	3000	45/40	19/26
1037	3000	45/40	24/29
1038	5000	34/35	19/26
1039	5000	34/35	24/29
1040	5000	45/40	19/26
1041	5000	45/40	24/29
** 1042	10000	34/35	19/26
** 1043	10000	34/35	24/29
** 1044	10000	45/40	19/26
** 1045	10000	45/40	24/29
** 1046	10000	55/44	19/26
** 1047	10000	55/44	24/29

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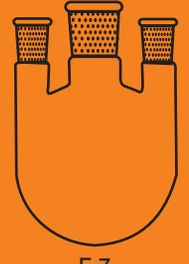
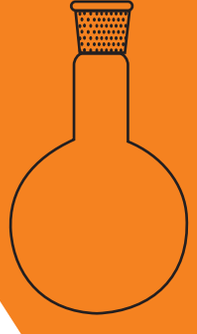


F-7

F-8

F-8 Flat Bottom Flasks, Short Neck, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket
1048	50	19/26
1049	50	24/29
1050	50	29/32
1051	50	34/35
1052	100	19/26
1053	100	24/29
1054	100	29/32
1055	100	34/35
1056	150	19/26
1057	150	24/29
1058	150	29/32
1059	150	34/35
1060	250	19/26
1061	250	24/29
1062	250	29/32
1063	250	34/35
1064	500	19/26
1065	500	24/29
1066	500	29/32
1067	500	34/35
1068	1000	24/29
1069	1000	29/32
1070	1000	34/35
1071	2000	24/29
1072	2000	29/32
1073	2000	34/35



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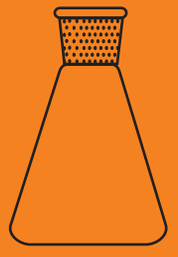
F- 9 Flat Bottom Flasks, Medium Neck, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket
1074	100	19/26
1075	100	24/29
1076	100	29/32
1077	150	19/26
1078	150	24/29
1079	150	29/32
1080	250	19/26
1081	250	24/29
1082	250	29/32
1083	500	24/29
1084	500	29/32
1085	1000	24/29
1086	1000	29/32
1087	2000	24/29
1088	2000	29/32

F-10

F-10 Kjeldahl Flasks, Long Neck, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket
1089	100	24/29
1090	300	24/29
1091	500	24/29
1092	800	24/29



F-14

F-15

F-16

F-14 Conical Flasks, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket
1103	5	10/19
1104	5	14/23
1105	10	10/19
1106	10	14/23
1107	25	10/19
1108	25	14/23
1109	25	19/26
1110	50	14/23
1111	50	19/26
1112	50	24/29
1113	100	14/23
1114	100	19/26
1115	100	24/29
1116	100	29/32
1117	250	19/26
1118	250	24/29
1119	250	29/32
1120	250	34/35
1121	500	19/26
1122	500	24/29
1123	500	29/32
1124	500	34/35
1125	1000	24/29
1126	1000	29/32
1127	1000	34/35
1128	2000	29/32
1129	2000	34/35

F-15 Filter Flasks, Light Walled, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket
1130	100	19/26
1131	100	24/29
1132	250	24/29
1133	250	29/32
1134	500	24/29
1135	500	29/32
1136	1000	24/29
1137.	1000	29/32
1138	1000	34/35

F-16 Filter Flasks, Heavy Walled, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket
1139	500	29/32
1140	1000	29/32

F-17 Iodine Flasks, Cup, Shaped, SAFIRE GLASSWARE

Cat. No	Cap.ml	Joint
1141	100	24/29
1142	250	24/29
1143	500	24/29
1144	1000	24/29

F-18 Iodine Flasks B.S. Type, SAFIRE GLASSWARE

Cat. No	Cap.ml	Joint
1145	250	24/29
1146	500	24/29
1147	1000	24/29

F-19 Stoppered Conical Flasks, SAFIRE GLASSWARE

Cat. No	Cap.ml	Joint
1148	10	10/15
1149	25	14/15
1150	50	19/20
1151	100	19/20
1152	150	24/25
1153	250	24/25
1154	500	24/25
1155	1000	24/25

F-20 Conical Flasks, with Screwcap, SAFIRE GLASSWARE

Cat. No	Cap.ml	Screwcap size
1156	25	24
1157	50	24
1158	100	30
1159	150	30
1160	250	30
1161	500	30
2320	1000	36

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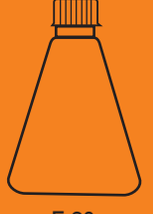

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F-21

F-22

F-23

F-24

F-21 Pear Shaped Flasks, Single Neck, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket
1162	5	10/19
1163	5	14/23
1164	10	10/19
1165	10	14/23
2321	10	19/26
1166	25	10/19
1167	25	14/23
2322	25	19/26
1168	50	14/23
1169	50	19/26
1170	100	14/23
1171	100	19/26
1172	100	24/29

F-22 Pear Shaped Flasks, Two Necks, Centre Neck And One Angled Side Neck, SAFIRE GLASSWARE

Cat. No	Cap.ml	Centre Socket	Side Socket
1173	50	14/23	14/23

F-23 Pear Shaped Flasks, Distillation, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket	Cone
1174	10	14/23	14/23
1175	25	14/23	14/23
1176	50	14/23	14/23
1177	100	14/23	14/23

F-24 Pear Shaped Flasks, Claisen, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket	Cone
1178	10	14/23	14/23
1179	25	10/19	10/19
1180	25	14/23	14/23
1181	50	14/23	14/23
1182	100	14/23	14/23

Flasks
Micro

F-25

F-26

F-27

F-28

F-29

F-25 Bolling Flasks, Round Bottom, SAFIRE GLASSWARE

Cat. No	Cap.ml
1183	5
1184	10
1185	25
1186	50
1187	100

F-26 Conical Flasks, Erlenmeyer, Narrow Mouth, SAFIRE GLASSWARE

Cat. No	Cap.ml
1188	5
1189	10
1190	25
1191	50

F-27 Kjeldahl Flasks, Round Bottom, Long Neck, SAFIRE GLASSWARE

Cat. No	Cap.ml
1192	10
1193	30
1194	100

F-28 Distillation Flasks, SAFIRE GLASSWARE

Cat. No	Cap.ml
1195	10
1196	25
1197	50
1198	100

F-29 Micro Round Botttom Flasks, Short Neck, SAFIRE GLASSWARE

Cat. No	Cap.ml	Socket
1199	5	10/19
1200	5	14/23
1201	10	10/19
1202	10	14/23
1203	25	14/23
1204	25	19/26
1205	25	24/29

F-30

F-31

F-30 Volumetric Flasks, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Stopper Size	Tol ±ml
1206	1	10/15	0.02
1207	2	10/15	0.02
1208	3	10/15	0.03
1209	4	10/15	0.03
1210	5	10/15	0.05
1211	10	10/15	0.05
1212	20	10/15	0.08
1213	25	10/15	0.08
1214	50	10/15	0.12
1215	100	14/15	0.2
1216	200	14/15	0.3
1217	250	14/15	0.3

F-31 Volumetric Flasks, Class A, with Works Certificate, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Stopper Size	Tol ±ml
1218	1	10/15	0.01
1219	2	10/15	0.01
1220	3	10/15	0.02
1221	4	10/15	0.02
1222	5	10/15	0.025
1223	10	10/15	0.025
1224	20	10/15	0.04
1225	25	10/15	0.04
1226	50	10/15	0.06
1227	100	14/15	0.1
1228	200	14/15	0.15
1229	250	14/15	0.15
2323	500	19/20	0.25

Flasks
Volumetric

F-32

F-32 Volumetric Flasks, with Screwcap, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Stopper Size	Tol ±ml
1230	1	13	0.02
1231	2	13	0.02
1232	5	13	0.05
1233	10	13	0.05
1234	25	18	0.08
1235	50	18	0.12
1236	100	18	0.2
1237	200	18	0.3
1238	250	18	0.3

F-33

F-33 Volumetric Flasks, with Screwcap, Class A, with Works Certificate, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Stopper Size	Tol ±ml
1239	1	13	0.01
1240	2	13	0.01
1241	5	13	0.025
1242	10	13	0.025
1243	25	18	0.04
1244	50	18	0.06
1245	100	18	0.1
1246	200	18	0.15
1247	250	18	0.15

F-34

F-34 Volumetric Flasks, wide neck, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Stopper Size	Tol ±ml
1248	25	14/15	0.08
1249	50	14/15	0.12
1250	100	14/15	0.2

F-35

F-36

F-37

F-38

F-35 Sugar Flasks, with Two Marks Class `B', SAFIRE GLASSWARE

Cat. No.	Cap. ml	Marked at	Tol ±ml
1251	50	50 & 55	0.1
1252	100	100 & 110	0.15
1253	200	200 & 220	0.25

F-36 Sugar Flasks, with Two Marks Class A, with Works Certificate, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Marked at	Tol ±ml
1254	50	50 & 55	0.06
1255	100	100 & 110	0.1
1256	200	200 & 220	0.15

F-37 Kohlrausch Flasks, Class B, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Tol ±ml
1257	50	0.06
1258	100	0.1
1259	200	0.2

F-38 Kohlrausch Flasks, Class A, with Works Certificate, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Tol ±ml
1260	50	0.04
1261	100	0.06
1262	200	0.1

F-39 Saybolt Viscosity Flasks, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Height mm
1263	60	85

F-39

F-40 Le Chatelier Flasks, SAFIRE GLASSWARE

Cat. No.	Description
1264	For specific gravity test - bulb capacity approx. 250 ml. neck graduated from 0 to 1 ml and 18 to 24 ml in 0.1 ml division.

F-40

F-41 Phenol Flasks, SAFIRE GLASSWARE

Cat. No.	Bulb cap.	Neck cap.	Sub-dvn. ml	Tol ±ml
1265	45	5	0.1	0.08
1266	150	10	0.1	0.08
1267	200	25	0.2	0.2

Note : 1266 & 1267 shall have conical bottom.

F-41

F-42 Chapman Flasks, SAFIRE GLASSWARE

Cat. No.	Description
1268	For specific gravity test - contains 200ml in lower bulb and 175ml in upper bulb. Neck is graduated from 375 ml to 450 ml in 1 ml divisions.

F-42

F-43

F-44

F-45

F-46

F-43 Funnel with Thistle Head, SAFIRE GLASSWARE

Cat. No.	Stem Dia X Length mm
1269	7 x 300

F-44 Filter Funnels, SAFIRE GLASSWARE

Cat. No.	Dia. mm
1270	35
1271	50
1272	65
1273	75
1274	100

F-45 Funnels, Short Stem (FOR POWDER), SAFIRE GLASSWARE

Cat. No.	Dia. mm
1275	75
1276	100

F-46 Filter Pump, SAFIRE GLASSWARE

Cat. No.	Description
1277	University college pattern

F-47 Separating Funnels, Cylindrical, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1278	25
1279	50
1280	100
1281	250
1282	500
1283	1000
1284	2000

F-48 Separating Funnels, with PTFE Plug, cylindrical, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1285	25
1286	50
1287	100
1288	250
1289	500
1290	1000
1291	2000

F-49 Separating Funnels, Cylindrical, with Screwcock and Screwcap, SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Screwcap size	Screw-cock size
1292	100	24	GP 13
1293	250	30	GP 13

F-50 Separating Funnels, Cylindrical, Graduated, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1294	100
1295	250
1296	500
1297	1000
1298	2000

F-51 Separating Funnels, with PTFE Plug, Cylindrical, Graduated, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1299	100
1300	250
1301	500
1302	1000
1303	2000

NOTE : The Screwcocks are patented.

F-47

F-49

F-51

F-48

F-50

F-52

F-53

F-54

F-52 Separating Funnels, Spherical, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1304	25
1305	50
1306	60
1307	100
1308	125
1309	250
1310	500
1311	1000
1312	2000
1313	3000
1314	5000

F-53 Separating Funnels, with PTFE Plug, Spherical, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1315	25
1316	50
1317	60
1318	100
1319	125
1320	250
1321	500
1322	1000
1323	2000

F-54 Separating Funnels, Cylindrical, Open Top, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1324	25
1325	50
1326	100
1327	250

F-55 Separating Funnels, Conical, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1328	25
1329	50
1330	60
1331	100
1332	125
1333	250
1334	500
1335	1000
1336	2000

F-56 Separating Funnels, with PTFE Plug, Conical, SAFIRE GLASSWARE

Cat. No.	Cap. ml
1337	25
1338	50
1339	60
1340	100
1341	125
1342	250
1343	500
1344	1000
1345	2000

F-57 Separating Funnels, Conical, with Screwcock and Screwcap, SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Screwcap size	Screw-cock size
1346	60	24	GP 13
1347	100	24	GP 13
1348	125	30	GP 13
1349	250	30	GP 13
2324	500	36	GP 16
2325	1000	36	GP 16

F-58 Separating Funnels, Conical Graduated, SAFIRE GLASSWARE

Cat. No.	Cap. ml.
1350	100
1351	250
1352	500
1353	1000

F-59 Separating Funnels, with PTFE Plug, Conical, Graduated, SAFIRE GLASSWARE

Cat. No.	Cap. ml.
1354	100
1355	250
1356	500
1357	1000

F-55

F-56

F-57

F-58

F-59

F-60

F-61

F-62

F-60 Separating Funnels, Cylindrical,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Socket	Cone
1358	20	10/19	10/13
1359	25	14/23	14/23
1360	50	14/23	14/23
1361	100	14/23	14/23
1362	100	19/26	19/26
1363	250	19/26	19/26
1364	500	19/26	19/26
1365	1000	19/26	19/26

F-61 Separating Funnels, Open Top,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Cone
1366	50	19/26
1367	100	19/26
1368	250	19/26

F-62 Separating Funnels, Spherical,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Socket	Cone
1369	25	14/23	14/23
1370	50	14/23	14/23
1371	50	19/26	19/26
1372	100	14/23	14/23
1373	100	19/26	19/26
1374	250	14/23	14/23
1375	250	19/26	19/26
1376	500	19/26	19/26
1377	500	24/29	24/29
1378	1000	19/26	19/26
1379	1000	24/29	24/29

F-63

F-64

F-63 Pressure Equalising Funnels, Spherical,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Socket	Cone
1380	100	19/26	19/26
1381	100	24/29	19/26
1382	100	24/29	24/29
1383	100	29/32	29/32
1384	250	24/29	19/26
1385	250	24/29	24/29
1386	250	29/32	29/32
1387	250	34/35	34/35

F-64 Pressure Equalising Funnels, Cylindrical,
SAFIRE GLASSWARE

Cat. No.	Cap. ml	Socket	Cone
1388	500	24/29	19/26
1389	500	24/29	24/29
1390	500	29/32	29/32

J-1

J-2

SAFIRE Scientific Company

J-1 Sockets, Plain Shank, Single, SAFIRE GLASSWARE

Cat. No.	Socket	Shank Length mm
1391	7/16	110
1392	10/19	110
1393	12/21	110
1394	14/23	110
1395	19/26	110
1396	24/29	110
1397	29/32	110
1398	34/35	110
1399	40/38	110
1400	45/40	110
1401	50/42	110
1402	55/44	110

J-2 Sockets, Plain Shank, Double, SAFIRE GLASSWARE

Cat. No.	Socket	Shank Length mm
1403	10/19	80
1404	12/21	80
1405	14/23	80
1406	19/26	80
1407	24/29	80
1408	29/32	90
1409	34/35	100
1410	40/38	110

J-3

J-4

J-3 Cones, Plain end, Single, SAFIRE GLASSWARE

Cat. No.	Cone	Shank Length mm
1411	7/16	110
1412	10/19	110
1413	12/21	110
1414	14/23	110
1415	19/26	110
1416	24/29	110
1417	29/32	110
1418	34/35	110
1419	40/38	110
1420	45/40	110
1421	50/42	110
1422	55/44	110

J-4 Cones, Plain end, Double, SAFIRE GLASSWARE

Cat. No.	Cone	Shank Length mm
1423	10/19	80
1424	12/21	80
1425	14/23	80
1426	19/26	80
1427	24/29	80
1428	29/32	90
1429	34/35	100
1430	40/38	110

J-5

J-6

J-7

J-8

J-5 Cones, Angle Drip, Single, SAFIRE GLASSWARE

Cat. No.	Cone	Shank Length mm
1431	14/23	90
1432	19/26	90
1433	24/29	90
1434	29/32	90
1435	34/35	90

J-6 Cones, Angle Drip, Double, SAFIRE GLASSWARE

Cat. No.	Cone	Shank Length mm
1436	14/23	80
1437	19/26	80
1438	24/29	80
1439	29/32	90
1440	34/35	100

J-7 Cones, Long Tip, Single, SAFIRE GLASSWARE

Cat. No.	Cone	Shank Length mm
1441	14/23	110
1442	19/26	110
1443	24/29	110
1444	29/32	110
1445	34/35	110

J-8 Cones, Long Tip, Double, SAFIRE GLASSWARE

Cat. No.	Cone	Shank Length mm
1446	14/23	80
1447	19/26	80
1448	24/29	80
1449	29/32	90
1450	34/35	100

J-9 Spherical Joints, Cup, SAFIRE GLASSWARE

Cat. No.	Joint
*1451	S 13
1452	S 13
1453	S 19
1454	S 29
1455	S 35
1456	S 41
1457	S 51

* Capillary Shank

J-10 Spherical Joints, Ball, SAFIRE GLASSWARE

Cat. No.	Joint
*1458	S 13
1459	S 13
1460	S 19
1461	S 29
1462	S 35
1463	S 41
1464	S 51

* Capillary Shank

J-11 Spherical Joints, Clips, SAFIRE GLASSWARE

Cat. No.	For Joint Size
*1465	S 13
1466	S 19
1467	S 29
1468	S 35
1469	S 41
1470	S 51

J-9

J-10

J-11

P-1

P-2

Y-8

P-1 Volumetric Pipettes, One Mark, Class B, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Tol ±ml
1471	1	0.015
1472	2	0.02
1473	3	0.03
1474	4	0.03
1475	5	0.03
1476	10	0.04
1477	15	0.05
1478	20	0.06
1479	25	0.06
1480	50	0.10
1481	100	0.16

P-2 Volumetric Pipettes, One Mark, Glass A, with Works certificate, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Tol ±ml
1482	1	0.007
1483	2	0.010
1484	3	0.015
1485	4	0.015
1486	5	0.015
1487	10	0.02
1488	15	0.02
1489	20	0.03
1490	25	0.03
1491	50	0.05
1492	100	0.08

Y-8 Volumetric Pipettes, One Mark, Glass B, with Safety Bulb, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Tol ±ml
2281	5	0.03
2282	10	0.04
2283	20	0.06
2284	25	0.06

SAFIRE Scientific Company

P-3 Automatic Pipettes, with Overflow Cap, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Tol ±ml
1493	5	0.06
1494	10	0.08
1495	20	0.1
1496	25	0.12
1497	50	0.15
1498	100	0.25

P-3

P-4 Tilt Measures, with Ground Reservoir, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Reservoir cap.ml
1499	5	250
1500	10	250
1501	20	500
1502	25	500
1503	50	1000

P-4

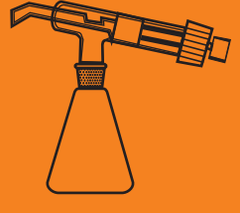
P-4a Tilt Measures, Measures only ,without Reservoir, SAFIRE GLASSWARE

Cat. No.	Cap.ml
2326	5
2327	10
2328	20
2329	25
2330	50

P-4a

P-19 Tilt Measures, Adjustable Precision Bore Body Marked Volume to measure, PTFE/PP Piston, SAFIRE GLASSWARE

Cat. No.	Measure Volume ml	Reservoir Cap.ml
2428	5 to 25	250



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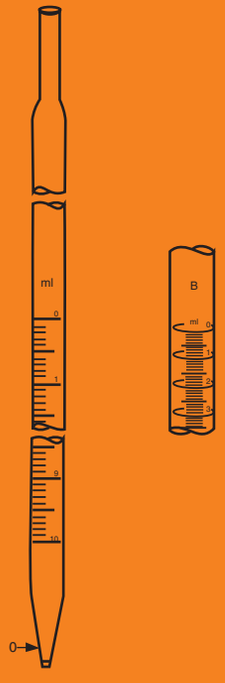
NOTE : Please Refer Cat. No.1118, 1112 and 1125 for spare reservoirs



P-5

P-5 Measuring Pipettes, Zero at Top, Class B, SAFIRE GLASSWARE (MOHR TYPE)

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1504	0.1	0.005	0.01
1505	0.1	0.01	0.01
1506	0.2	0.005	0.01
1507	0.2	0.01	0.01
1508	0.5	0.01	0.01
1509	0.5	0.02	0.01
1510	1.0	0.01	0.01
1511	1.0	0.1	0.01
1512	2.0	0.02	0.02
1513	2.0	0.1	0.02
1514	5.0	0.05	0.05
1515	5.0	0.1	0.05
1516	10.0	0.1	0.1
1517	25.0	0.2	0.2

Pipettes
Graduated

P-6 Measuring Pipettes, Zero at Top, Class A, SAFIRE GLASSWARE (MOHR TYPE)

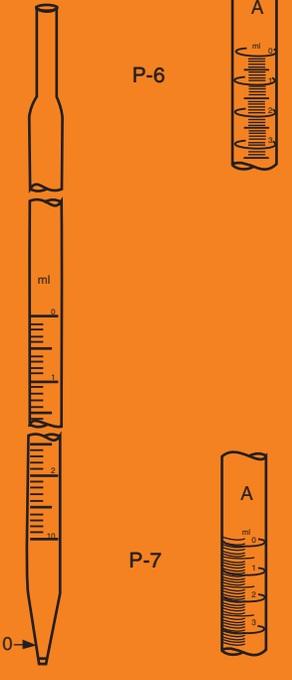
Short line graduations and one-point works certificate,

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1518	0.1	0.005	0.006
1519	0.1	0.01	0.006
1520	0.2	0.005	0.006
1521	0.2	0.01	0.006
1522	0.5	0.01	0.006
1523	0.5	0.02	0.006
1524	1.0	0.01	0.006
1525	1.0	0.1	0.006
1526	2.0	0.02	0.01
1527	2.0	0.1	0.01
1528	5.0	0.05	0.03
1529	5.0	0.1	0.03
1530	10.0	0.1	0.05
1531	25.0	0.2	0.1

P-7 Measuring Pipettes, Zero at Top, Class A, SAFIRE GLASSWARE (MOHR TYPE)

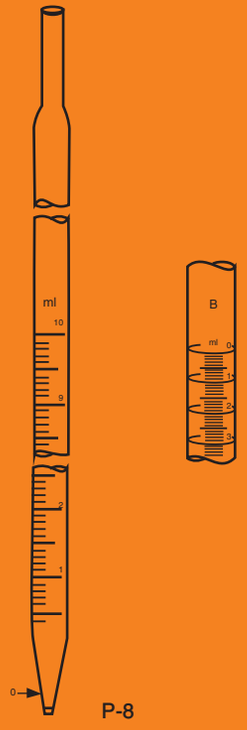
Long line graduations and two-point works certificate,

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1532	0.1	0.005	0.006
1533	0.1	0.01	0.006
1534	0.2	0.005	0.006
1535	0.2	0.01	0.006
1536	0.5	0.01	0.006
1537	0.5	0.02	0.006
1538	1.0	0.01	0.006
1539	1.0	0.1	0.006
1540	2.0	0.02	0.01
1541	2.0	0.1	0.01
1542	5.0	0.05	0.03
1543	5.0	0.1	0.03
1544	10.0	0.1	0.05
1545	25.0	0.2	0.1



P-6

P-7



P-8

P-8 Drain-Out Pipettes, Zero at Jet, Class B, SAFIRE GLASSWARE

To Transfer pre-set volume, without ejection of last drop.

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1546	0.1	0.005	0.01
1547	0.1	0.01	0.01
1548	0.2	0.005	0.01
1549	0.2	0.01	0.01
1550	0.5	0.01	0.01
1551	0.5	0.02	0.01
1552	1.0	0.01	0.01
1553	1.0	0.1	0.01
1554	2.0	0.02	0.02
1555	2.0	0.1	0.02
1556	5.0	0.05	0.05
1557	5.0	0.1	0.05
1558	10.0	0.1	0.1
1559	25.0	0.2	0.2

P- 9 Drain-Out Pipettes, Zero at Jet, Class A, SAFIRE GLASSWARE (SEROLOGIGAL)

Short line graduations and one-point works certificate, to transfer pre-set volume without ejection of last drop.

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1560	0.1	0.005	0.006
1561	0.1	0.01	0.006
1562	0.2	0.005	0.006
1563	0.2	0.01	0.006
1564	0.5	0.01	0.006
1565	0.5	0.02	0.006
1566	1.0	0.01	0.006
1567	1.0	0.1	0.006
1568	2.0	0.02	0.01
1569	2.0	0.1	0.01
1570	5.0	0.05	0.03
1571	5.0	0.1	0.03
1572	10.0	0.1	0.05
1573	25.0	0.2	0.1

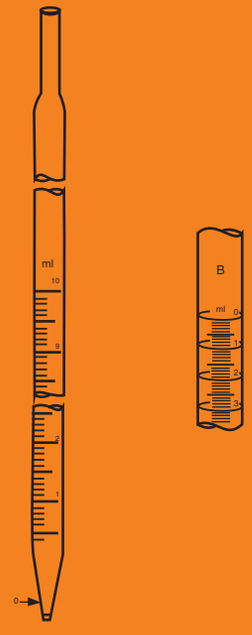
P-10 Drain-Out Pipettes, Zero at Jet, Class A, SAFIRE GLASSWARE (SEROLOGIGAL)

Long line graduations and two-point works certificate, to transfer pre-set volume without ejection of last drop.

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1574	0.1	0.005	0.006
1575	0.1	0.01	0.006
1576	0.2	0.005	0.006
1577	0.2	0.01	0.006
1578	0.5	0.01	0.006
1579	0.5	0.02	0.006
1580	1.0	0.01	0.006
1581	1.0	0.1	0.006
1582	2.0	0.02	0.01
1583	2.0	0.1	0.01
1584	5.0	0.05	0.03
1585	5.0	0.1	0.03
1586	10.0	0.1	0.05
1587	25.0	0.2	0.1

P-9

P-10



P-11

P-11 Blow-Out Pipettes, Zero at Top,Class B, SAFIRE GLASSWARE(SEROLOGICAL)

To set volume during tranfer, with ejection of last drop

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1588	0.1	0.005	0.01
1589	0.1	0.01	0.01
1590	0.2	0.005	0.01
1591	0.2	0.01	0.01
1592	0.5	0.01	0.01
1593	0.5	0.02	0.01
1594	1.0	0.01	0.01
1595	1.0	0.1	0.01
1596	2.0	0.02	0.02
1597	2.0	0.1	0.02
1598	5.0	0.05	0.05
1599	5.0	0.1	0.05
1600	10.0	0.1	0.1
1601	25.0	0.2	0.2

P-12 Blow-Out Pipettes, Zero t Top, Class A, SAFIRE GLASSWARE (SEROLOGIGAL)

Short line graduations and one-point works certificate, to set volume during transfer, with ejection of last drop.

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1602	0.1	0.005	0.006
1603	0.1	0.01	0.006
1604	0.2	0.005	0.006
1605	0.2	0.01	0.006
1606	0.5	0.01	0.006
1607	0.5	0.02	0.006
1608	1.0	0.01	0.006
1609	1.0	0.1	0.006
1610	2.0	0.02	0.01
1611	2.0	0.1	0.01
1612.	5.0	0.05	0.03
1613	5.0	0.1	0.03
1614	10.0	0.1	0.05
1615	25.0	0.2	0.1

P-13 Blow -Out Pipettes, Zero at Top, Class A, SAFIRE GLASSWARE (SEROLOGICAL)

Long line graduations and two-point works certificate, to set volume during transfer, with ejection of last drop.

Cat. No	Cap. ml	Sub-dvn. ml	Tol ± ml
1616	0.1	0.005	0.006
1617	0.1	0.01	0.006
1618	0.2	0.005	0.006
1619	0.2	0.01	0.006
1620	0.5	0.01	0.006
1621	0.5	0.02	0.006
1622	1.0	0.01	0.006
1623	1.0	0.1	0.006
1624	2.0	0.02	0.01
1625	2.0	0.1	0.01
1626	5.0	0.05	0.03
1627	5.0	0.1	0.03
1628	10.0	0.1	0.05
1629	25.0	0.2	0.1

P-12

P-13

P-14

P-15

P-14 Microlitre Pipettes, Lambda, Class B, SAFIRE GLASSWARE

Cat. No	Cap. Lambda	Tol ± ml
1630	1	0.03
1631	2	0.03
1632	3	0.03
1633	4	0.04
1634	5	0.05
1635	10	0.1
1636	20	0.2
1637	25	0.25
1638	50	0.3
1639	100	0.8
1640	200	0.8
1641	250	1.0
1642	500	2.0

P-15 Microlitre Pipettes, Lambda, Class A, with Works Certificate, SAFIRE GLASSWARE

Cat. No	Cap. Lambda	Tol ± ml
1643	1	0.015
1644	2	0.015
1645	3	0.015
1646	4	0.02
1647	5	0.03
1648	10	0.05
1649	20	0.1
1650	25	0.13
1651	50	0.15
1652	100	0.3
1653	200	0.4
1654	250	0.5
1655	500	1.0

SAFIRE Scientific Company

P-16 Ostwald Folin Pipettes, Blowout, SAFIRE GLASSWARE

Cat. No	Cap. ml	Tol ± ml
1656	0.1	0.006
1657	0.2	0.006
1658	0.5	0.008
1659	1.0	0.01
1660	2.0	0.01
1661	3.0	0.015
1662	5.0	0.02
1663	10.0	0.02

P-16

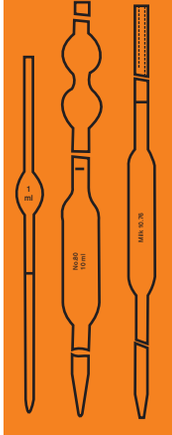
P-17 Milk Test Pipettes, Bacteriological, SAFIRE GLASSWARE
To deliver milk

Cat. No	Cap. ml	Graduated at	Tol ± ml
1664	1.1	0.5 & 1.1	0.025
1665	2.2	1,2,2.1 & 2.2	0.04
1666	11.0	10 & 11	0.2

P-17

P-18 Milk Test Pipettes, Gerber Method, SAFIRE GLASSWARE

Cat. No	Cap. ml	To deliver	Tol ± ml
1667	1.0	Amyl Alcohol	0.05
1668	10.0	Sulphuric Acid	0.05
1669	10.75	Milk	0.03



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S-1

S-2

S-3

S-1 Gooch Crucibles, SAFIRE GLASSWARE

Cat. No	Cap. ml	Disc Dia mm	Por
1670	15	20	1
1671	15	20	2
1672	15	20	3
1673	15	20	4
1674	30	30	1
1675	30	30	2
1676	30	30	3
1677	30	30	4
1678	50	40	1
1679	50	40	2
1680	50	40	3
1681	50	40	4

S-2 Gooch Crucibles(WESTERN TYPE), SAFIRE GLASSWARE

Cat. No	Cap. ml	Disc Dia mm	Por
1682	15	20	1
1683	15	20	2
1684	15	20	3
1685	15	20	4
1686	30	30	1
1687	30	30	2
1688	30	30	3
1689	30	30	4
1690	50	40	1
1691	50	40	2
1692	50	40	3
1693	50	40	4

S-3 Gooch Crucibles with 40/26 Cone Joint, SAFIRE GLASSWARE

Cat. No	Cap. ml	Disc Dia mm	Por
1694	50	30	1
1695	50	30	2
1696	50	30	3
1997	50	30	4

These crucibles are to be used wih F 16 filter flasks and S 11 crucible adapter.

Note : Please refer Cat. No. 2285-2300 for micro filter assembly with Rubber Cork, Ground Glass Joint & Spares

S-4 Buchner Filters, SAFIRE GLASSWARE

Cat. No	Cap. ml	Disc Dia mm	Por
1698	35	30	1
1699	35	30	2
1700	35	30	3
1701	35	30	4
1702	80	40	1
1703	80	40	2
1704	80	40	3
1705	80	40	4
1706	200	65	1
1707	200	65	2
1708	200	65	3
1709	200	65	4
1710	500	90	1
1711	500	90	2
1712	500	90	3
1713	500	90	4
2270	1000	120	1
2271	1000	120	2
2272	1000	120	3
2273	1000	120	4
2274	1500	120	1
2275	1500	120	2
2276	1500	120	3
2277	1500	120	4

S-4

S-5 Burhner Filters, with 29/32 Cone Joint, SAFIRE GLASSWARE

Cat. No	Cap. ml	Disc Dia mm	Por
1714	200	65	1
1715	200	65	2
1716	200	65	3
1717	200	65	4
1718	500	90	1
1719	500	90	2
1720	500	90	3
1721	500	90	4

S-5

Disc of 120 mm Diameter are Domed for additional strength

S-6

S-7

S-8

S-16 Mercury Filters, SAFIRE GLASSWARE

Cat. No	Cap. ml	Disc dia mm	Por
1722	130	30	1
1723	130	30	2
1724	130	30	3
1725	130	30	4

S-7 Micro Filters, SAFIRE GLASSWARE

Cat. No	Cap. ml	Disc dia mm	Por
1726	8	10	1
1727	8	10	2
1728	8	10	3
1729	8	10	4

S-8 Filtering Tubes, SAFIRE GLASSWARE

Cat. No	Disc Dia mm	Por
1730	10	1
1731	10	2
1732	10	3
1733	10	4
1734	20	1
1735	20	2
1736	20	3
1737	20	4
1738	30	1
1739	30	2
1740	30	3
1741	30	4
1742	40	1
1743	40	2
1744	40	3
1745	40	4

S-9 Gas Filtering Tubes (PIPELINE FILTERS), SAFIRE GLASSWARE

Cat. No	Disc Dia mm	Pre
1746	30	1
1747	30	2
1748	30	3
1749	30	4
1750	40	1
1751	40	2
1752	40	3
1753	40	4
1754	50	1
1755	50	2
1756	50	3
1757	50	4
1758	65	1
1759	65	2
1760	65	3
1761	65	4
1762	90	1
1763	90	2
1764	90.	3
1765	90	4

S-9

S-10 Adapters for Gooch Crucibles, SAFIRE GLASSWARE

Cat. No	To fit
1766	15 ml crucibles of Catalogue No. S-1 8
1767	30 ml crucibles of Catalogue No. S-1
1768	50ml crucibles of Catalogue No. S-1

S-10

S-11 Adapters for Gooch Crucible with Standard Joints, SAFIRE GLASSWARE

Cat. No	Cone	Socket
1769	29/32	40/26

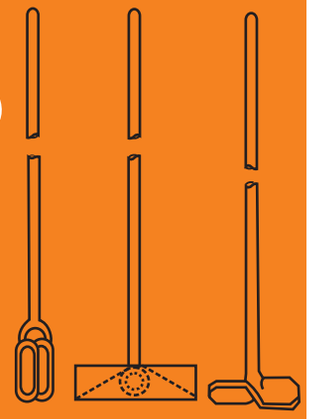
To : Crucibles of Catalogue No. S-3

S-11

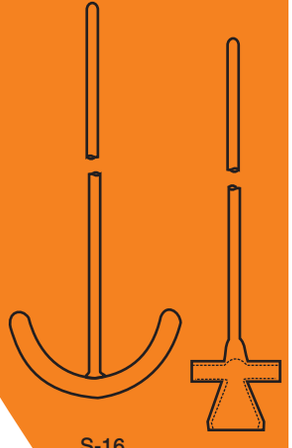
S-12 Salt Bridge, SAFIRE GLASSWARE

Cat. No	Description
1770	With two limbs of 100mm long and 58mm apart - disc diameter 10mm and porosity 4.

S-12



S-13 S-14 S-15



S-16 S-17

S-13 Link Stirrers, SAFIRE GLASSWARE

Cat. No	Shaft Dia mm	Shaft Length mm	Blade width mm
1771	6	450	75
1772	6	600	75

S-14 Collapsible Paddle Stirrer, SAFIRE GLASSWARE

Cat. No	Shaft Dia mm	Shaft Length mm	Blade width mm
1773	6	450	70

S-15 Fixed Paddle Stirrers, SAFIRE GLASSWARE

Cat. No	Shaft Dia mm	Shaft Length mm	Blade width mm
1774	6	600	50
1775	11	750	80

S-15 Fixed Paddle Stirrers, SAFIRE GLASSWARE

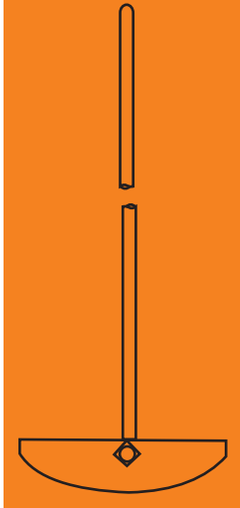
Cat. No	Shaft Dia mm	Shaft Length mm	Blade width mm
1776	6	450	95
1777	6	600	140
1778	11	750	140

S-17 Centrifugal Stirrers, SAFIRE GLASSWARE

Cat. No	Shaft Dia mm	Shaft Length mm	Arm width mm
1779	6	600	52
1780	11	750	92

S-18 PTFE Bladed Stirrers, SAFIRE GLASSWARE

Cat. No	Description
1781	Shaft dia 6 mm Shaft Length 450 mm To pass through 19/26 Socket Blade width 50 mm Curved to suit Flask 500 ml
1782	Shaft dia 6 mm Shaft length 450 mm To pass through 24/29 Socket Blade width 75 mm Curved to suit flask 1000 ml
1783	Shaft dia 8 mm Shaft Length 600 mm To pass through 34/35 Socket Blade width 100 mm Curved to suit Flask 2000 ml
1784	Shaft dia 8 mm Shaft Length 600 mm To pass through 34/35 Socket Blade width 125 mm Curved to suit Flask 5000 ml
1785	Shaft dia 11 mm Shaft Length 750 mm To pass through 55/44 Socket Blade Width 150 mm Curved to suit Flask 10000 ml
1786	Shaft dia 11 mm Shaft Length 750 mm To pass through 55/44 Socket Blade width 200 mm Curved to suit Flask 20000 ml



S-18

S-19

S-20

S-21

S-19 Shaft for PTFE Bladed Stirrers, SAFIRE GLASSWARE

Cat. No	Shaft dia mm	Shaft Length mm
1787	6	450
1788	8	600
1789	11	750

S-20 Stirrer Guldes, SAFIRE GLASSWARE

Cat. No	To Fit Shaft mm	Socket	Cone	Stem Length mm
1790	6	19/26	19/26	200
1791	11	24/29	24/29	350
1792	11	29/32	29/32	350

S-21 Mercury Seal Glands Combined with Guide, SAFIRE GLASSWARE

Cat. No	To Fit Shaft mm	Cone	Stem Length mm
1793	6	19/26	200
1794	6	24/29	200

S-22 Mercury Seal Glands, SAFIRE GLASSWARE

Cat. No	To Fit Shaft mm	Cone
1795	6	19/26
1796	6	24/29

S-23 Ground Sleeve Glands, SAFIRE GLASSWARE

Cat. No	To Fit Shaft mm	Cone
1797	6	19/26
1798	6	24/29

S-24 Simple Rubber Sleeve Glands, SAFIRE GLASSWARE

Cat. No	To Fit Shaft mm	Cone
1799	5	10/19
1800	6	14/23
1801	6	19/26
1802	6	24/29
1803	6	34/35

S-25 Stuffing Box Glands, SAFIRE GLASSWARE

Cat. No	To Fit Shaft mm	Matreial (Cone Portion)	Cone
1804	6	PTFE	19/26
1805	6	PTFE	24/29

S-26 Stuffing Box Glands with Pulley, SAFIRE GLASSWARE

Cat. No	To Fit Shaft mm	Matreial (Cone Portion)	Cone
1806	6	PTFE	19/26
1807	6	PTFE	24/29
1809	11	PTFE	29/32

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S-31

S-27 Stopcocks, Straight Bore, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1809	1	7
1810	2	8
1811	3	9
1812	4	10
1813	6	11
1814	8	12
1815	10	15
1816	15	22

S-28 Stopcocks, Straight Bore Straight , Capillary Limbs. SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1817	1	7
1818	2	7
1819	3	8

S-29 Stopcocks, Straight Bore PTFE Plug, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Plug size mm
1820	1	7	11/25
1821	2	8	11/25
1822	3	9	15.2/30
1823	4	10	15.2/30
1824	5	10	16/35
1825	6	11	16/35

S-30 Stopcocks, Straight Bore PTFE, Olug, Capillary Limbs, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Plug size mm
1826	1	7	11/25
1827	2	7	11/25
1828	3	8	15.2/30

S-31 Stopcocks, single Oblique Bore, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1829	1	7
1830	2	8
1831	3	9
1832	4	10
1833	6	11
1834	8	12
1835	10	15

S-32 Screwcock, Plain Bore, Inter-changeable Plunger, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Size
1836	3	8	GP 13
2331	6	10	GP 18

S-33 Screwcock, Capillary Bore, Interchangeable Plunger, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Size
1837	2	2	GP 13

S-32

S-33

S-34 Stopcocks, Double Oblique Bore, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1838	1	7
1839	2	8
1840	3	9
.1841	4	10
1842	6	11
1843	8	12

S-34

S-35

S-35 Stopcocks, Double Oblique Bore, Capillary Limbs, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1844	1	7
1845	2	7
1846	3	8

S-36 Stopcocks, Double Oblique Bore, PTFE Plug, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Plug size mm
1847	1	7	12.9/44
1848	2	8	12.9/44
1849	3	9	14.4/44
1850	4	10	14.4/44

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S-37

S-38

S-37 Stopcocks, 'T' Bore, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1851	1	7
1852	2	8
1853	3	9
1854	4	10
1855	6	11
1856	8	12

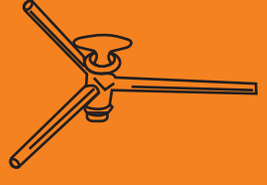
S-38 Stopcocks, 'T' Bore, Capillary Limbs, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1857	1	7
1858	2	7
1859	3	8

S-39

S-39 Stopcocks, 'T' Bore, PTFE PLUG, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Plug size mm
1860	1	7	15.2/30
1861	2	8	15.2/30
1862	3	9	16/35
1863	4	10	16/35



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S-41

S-40 Stopcocks, 'V' Bore, (120°), SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1864	1	7
1865	2	8
1866	3	9
1867	4	10
1868	6	11
1869	8	12

S-41 Stopcocks, 'V' Bore, Capillary Limbs, (120°), SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1870	1	7
1871	2	7
1872	3	8

S-42 Stopcocks, Tall Key, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1873	2	8

S-43 Stopcocks, Tall Key, Capillary Limbs, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1874	2	7

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S-43

S-44 Stopcocks, for Aspirator Bottles, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1875	2	8
1876	4	10
1877	6	11

S-44

S-45 Stopcocks, for Burettes, SAFIRE GLASSWARE

Cat. No	Groove mm	Arm dia mm
1878	2	8

S-45

S-46 Stopcocks, for Burettes, PTFE Plug, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Plug size mm
1879	2	8	11/25

S-46

Y-3 Screwcock for Burette, SAFIRE GLASSWARE

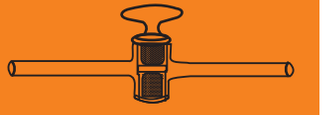
Cat. No	Bore mm	Size
2262	2	GP 13

Y-3

Y-4 Spare Plunger for Screwcock, SAFIRE GLASSWARE

Cat. No	Size
2263	GP 13

Y-4



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S-48

S-47 Stopcocks, High Vacuum, 'Straight Bore,
SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1880	1	7
1881	2	8
1882	3	9
1883	4	10
1884	6	11
1885	8	12
1886	10	15

S-48 Stopcocks, High Vacuum, Straight Bore,
Capillary Limbs, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1887	1	7
1888	2	7
1889	3	8

S-49

S-50

S-49 Stopcocks, High Vacuum,
Single Oblique Bore, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1890	1	7
1891	2	8
1892	3	9
1893	4	10
1894	6	11
1895	8	12

S-50 Stopcocks, High Vacuum, Single Obllique Bore,
Capillary Limbs, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1896	1	7
1897	2	7
1898	3	8

S-51 Stopcocks, High Vacuum, Plain Bore,
Interchangeable Plunger, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Size
1899	3	8	HP 13
1900	6	10	HP 18
1901	10	13	HP 24

Y-11 Screwcocks, High Vacuum, Plain Bore, with
VITION Seal,Interchangeable Plunger,
SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia Mm	Size
2301	3	8	HP 13
2302	6	10	HP 18
2303	10	13	HP 24

S-51

S-52

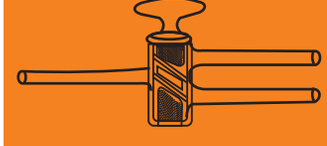
S-52 Screwcocks, High Vacuum, Capiliary Bore,
Interchangeable Plunger, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm	Size
1902	2	7	HP 13

Y-11

S-53 Stopcocks, High Vacuum,
Double oblique Bore, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1903	1	7
1904	2	8
1905	3	9
1906	4	10
1907	6	11



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S-54

S-54 Stopcocks, High Vacuum Double Oblique Bore,
Capillary Limbs, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1908	1	7
1909	2	7
1910	3	8

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S-57

S-58

S-55 Stopcocks, High Vacuum, 'T' Bore, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1911	1	7
1912	2	8
1913	3	9
1914	4	10
1915.	6	11

S-56 Stopcocks, High Vacuum, 'T' Bore, Capillary Limbs, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1916	1	7
1917	2	7
1918	3	8

S-57 Stopcocks, High Vacuum, 'V' Bore,(120°), SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1919	1	7
1920	2	8
1921	3	9
1922	4	10
1923	6	11

S-58 Stopcocks, High Vacuum, 'V' Bore, Capillary Limbs, (120°), SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1924	1	7
1925	2	7
1926	3	8

S-59 Stopcocks, High Vacuum, Single Oblique Bore, with Bulb Chamber, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1927	2	8
1928	4	10

S-60 Stopcocks, High Vacuum, Single Oblique Bore, with Bulb Chamber and Mercury Seal Cup, SAFIRE GLASSWARE

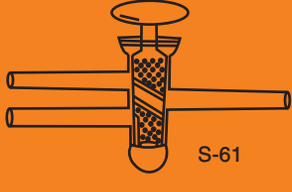
Cat. No	Bore mm	Arm dia mm
1929	2	8
1930	4	10

S-61 Stopcocks, High Vacuum, Double Oblique Bore, with Bulb Chamber and Mercury seal Cup, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1931	2	8
1932	4	10

S-59

S-60



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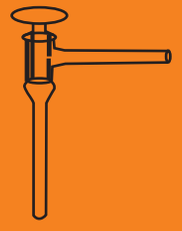

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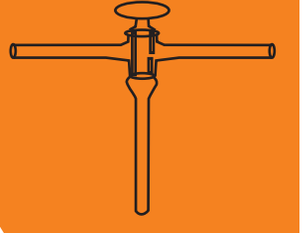
S-63



S-64

S-62 Stopcocks, High Vacuum, Right Angle,
Lower Limb Vertical, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1933	1	7
1934	2	8
1935	3	9
1936	4	10
1937	6	11
1938	8	12

S-63 Stopcocks, High Vacuum, Right Angle,
Lower Limb Horizontal, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1939	1	7
1940	2	8
.1941	3	9
1942	4	10
1943	6	11
1944	8	12

S-64 Stopcocks, High Vacuum, Right or Left Angle,
Lower Limb Vertical, SAFIRE GLASSWARE

Cat. No	Bore mm	Arm dia mm
1945	1	7
1946	2	8
1947	3	9
1948	4	10
1949	6	11
1950	8	12

S-65 Stoppers, (B SIZE) SAFIRE GLASSWARE

Cat. No	Cone
1951	10/19
1952	12/21
1953	14/23
1954	19/26
1955	24/29
1956	29/32
1957	34/35
1958	40/38
1959	45/40
1960	50/42
1961	55/44

S-65

S-66 Socket Caps, with Hooks,
SAFIRE GLASSWARE

Cat. No	Cone
1962	10/19
1963	14/23
1964	19/26
1965	24/29

S-66

T-1

T-2

T-3

T-4

T-1 Test Tubes, Stoppered, SAFIRE GLASSWARE

Cat. No	Cap. ml	Height x Dia mm	Joint
1966	10	150 x 14	10/15
1967	15	150 x 16	14/15
1968	20	150 x 18	14/15
1969	30	150 x 24	19/20
1970	40	150 x 28	24/25
1971	50	175 x 28	24/25

T-2 Test Tubes, Stoppered and Graduated, SAFIRE GLASSWARE

Cat. No	Cap. ml	Sub-Division ml	Height x Dia mm	Joint
1972	10	0.2	150 x 14	10/15
1973	15	0.2	150 x 16	14/15
1974	20	0.5	150 x 18	14/15
1975	30	0.5	150 x 24	19/20
1976	40	1.0	150 x 28	24/25
1977	50	1.0	175 x 28	24/25

T-3 Test Tubes, with Screwcap, SAFIRE GLASSWARE

Cat. No	Cap. ml	Height x Dia mm	Screw Cap Size
1978	15	150 x 17	18
1979	25	150 x 22	24

T-4 Test Tubes, Graduated, with Screwcap, SAFIRE GLASSWARE

Cat. No	Cap. ml	Height x Dia mm	Screw Cap Size
1980	15	150 x 17	18
1981	25	150 x 22	24

Note;
Please refere Cat. No. 2305 - 2311 for
Culture Tubes Round Bottom & Flat Bottom

T-5

T-6

T-7

T-8

T-9

T-10

T-5 Centrifuge Tubes, Plain, with Rim, Conical Bottom, SAFIRE GLASSWARE

Cat. No	Height x Dia mm
1982	110 x 17
2332	120 x 17

T-6 Centrifuge Tubes, Graduated, with Rim, Conical Bottom, SAFIRE GLASSWARE

Cat. No	Height x Dia mm	Graduated upto
1983	110 x 17	10ml
2333	120 x 17	15ml

T-7 Centrifuge Tubes, Plain, Stopered, SAFIRE GLASSWARE

Cat. No	Height x Dia mm	Joint
1984	110 x 17	12/14
2334	140 x 17	14/15

T-8 Centrifuge Tubes, Graduated, Stoppered, SAFIRE GLASSWARE

Cat. No	Height x Dia mm	Joint	Graduated Upto
1985	110 x 17	12/14	10ml
2335	140 x 17	14/15	15ml

T-9 Centrifuge Tubes, Plain with Screwcap, SAFIRE GLASSWARE

Cat. No	Height x Dia mm	Screw-Cap Size
1986	110 x 17	18
2336	140 x 17	18

T-10 Centrifuge Tubes, Graduated, with Screw Cap, SAFIRE GLASSWARE

Cat. No	Height x Dia mm	Screw-Cap Size	Graduated Upto
1987	110 x 17	18	10ml
2337	140 x 17	18	15ml

T-11

T-12

T-13

T-14

T-15

T-11 Centrifuge Vessel, (SPHERICAl), SAFIRE GLASSWARE

Cat. No	Cap.ml	Height mm
1988	100	157

Graduated 0 to 1.5 ml in 0.1, 1.5 to 5 ml in 0.5,
5 to 10 ml in 1.0 divisions and at 15, 20, 25, 50 and 100 ml.

T-12 Centrifuge Vessel, (CYLINDRICAL), SAFIRE GLASSWARE

Cat. No	Cap.ml	Height mm
1989	100	200

Graduated 0 to 0.5 ml in 0.05, 0.5 to 2 ml
in 0.1,2 to 3 ml in 0.2, 3 to 5 ml in 0.5,
5 to 10 ml in 1.0, to 25 ml in 5.0
and at 50, 75 and 100 ml.

T-13 Blood Sugar Tubes, SAFIRE GLASSWARE

Cat. No	Cap. ml	Dia mm	Height mm	Gradu-ated at ml
1990	25	22	190	12.5 & 25
1991	25	22	190	4, 12.5 & 25

T-14 Melting Point Tubes, Thiele, SAFIRE GLASSWARE

Cat. No	Length x Dia mm	Side tube Dia mm
1992	120 x 20	10
1993	150 x 25	10

T-15 Thunburg Tubes, SAFIRE GLASSWARE

Cat. No	Description
1994	6 ml tube with 2 ml stopper - 14/23 Joints
1995	20 ml tube with 2 ml stopper - 19/26 Joints

T-16 Calcuim Choride Tubes, Straight with One Bulb, SAFIRE GLASSWARE

Cat. No	Length x Dia mm
1996	100 x 14
1997	125 x 16
1998	150 x 18

T-17 Calcuim Choride Tubes, U-Form with Side Tube and Stopper, SAFIRE GLASSWARE

Cat. No	Length x Dia mm	Joint mm
1999	100 x 14	10/19
2000	125 x 16	12/21
2001	150 x 18	14/23

T-18 Calcuim Choride Cylinders, SAFIRE GLASSWARE

Cat. No	Length x Dia mm	Joint mm
2002	250 x 40	34/35
2003	300 x 40	34/35

T-19 Connection Tubes, T Shape, SAFIRE GLASSWARE

Cat. No	Arm Length x Dia mm
2004	40 x 6
2005	50 x 8
2006	60 x 10
2007	80 x 12

T- 20 Connection Tubes, U Shape, SAFIRE GLASSWARE

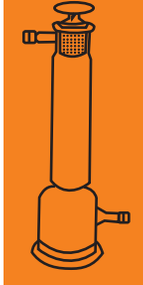
Cat. No	Arm Length x Dia mm
2008	40 x 6
2009	50 x 8
2010	60 x 10
2011	80 x 12

T- 21 Connection Tubes, Y Shape, SAFIRE GLASSWARE

Cat. No	Arm Length x Dia mm
2012	40 x 6
2013	50 x 8
2014	60 x 10
2015	80 x 12

T-16

T-17



T-18

T-19

T-20

T-21

V-1

V-2

V-3

V-4

V-1 Viscometers, U-Tube, BS/U, SAFIRE GLASSWARE

Cat. No	Size	Nominal Constant	Viscosisty Range
2016	B	0.01	2.0-10
2017	C	0.03	6-30
2018	D	0.1	20-100
2019	E	0.3	60-300
2020	F	1.0	200-1000
2021	G	3.0	600-3000
2022	H	10.0	2000-10000

V-2 Viscometers, Suspended Level, BS/IP/SL, SAFIRE GLASSWARE

Cat. No	Size	Nominal Constant	Viscosisty Range
2023	1	0.01	3.5-10
2024	1A	0.03	6-30
2025	2	0.1	20-100
2026	2A	0.3	60-300
2027	3	1.0	200-1000
2028	3A	3.0	600-3000
2029	4	10.0	2000-10000
2030	4A	30.0	6000-30000
2031	5	100.0	20000-100000

V-3 Viscomerers, Suspended Level, Shortened Form, BS/IP/SL(S), SAFIRE GLASSWARE

Cat. No	Size	Nominal Constant	Viscosisty Range
2032	3	0.01	3.8-10
2033	4	0.03	6-30
2034	5	0.1	20-100
2035	6	0.3	60-300
2036	7	1.0	200-1000
2037	8	3.0	600-3000
2038	9	10.0	2000-10000

V-4 Viscometers, Cannonfenske, for Transparent Liquids, BS/IP/CF, SAFIRE GLASSWARE

Cat. No	Size	Nominal Constant	Viscosisty Range
2039	100	0.015	3-15
2040	150	0.035	7-35
2041	200	0.1	20-100
2042	300	0.25	50-250
2043	350	0.5	100-500
2044	400	1.2	240-1200
2045	450	2.5	500-2500
2046	500	8.0	1600-8000
2047	600	20.0	4000-20000

V-5 Viscometers, Cannonfenske, for Opaque Liquids, ASTM-D 445, SAFIRE GLASSWARE

Cat. No	Size	Nominal Constant	Viscosisty Range
2048	100	0.015	3-15
2049	150	0.035	7-35
2050	200	0.1	20-80
2051	300	0.25	50-200
2052	350	0.5	100-400
2053	400	1.2	240-960
2054	450	2.5	500-2000
2055	500	8.0	1600-6400
2056	600	20.0	4000-16000

V-6 Viscometers, U-Tube, Reverse Flow, BS/IP/RF, SAFIRE GLASSWARE

Cat. No	Size	Nominal Constant	Minimum Viscosity
2057	2	0.01	2-10
2058	3	0.03	6-30
2059	4	0.1	20-100
2060	5	0.3	60-300
2061	6	1.0	200-1000
2062	7	3.0	600-3000
2063	8	10.0	2000-10000
2064	9	30.0	6000-30000
2065	10	100.0	20000-100000
2066	11	300.0	60000-300000

V-7 Viscometers, Falling Sphere, SAFIRE GLASSWARE

Cat. No	Bore of tube mm
2067	25
2068	40

V-8 Viscometers, College Pattern, Ostwald, SAFIRE GLASSWARE

Cat. No	Empties in
2069	80-100 secs

Note:
These Viscometers are Uncalibrated

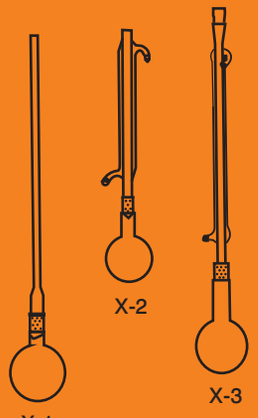
Viscometers
BS & IP

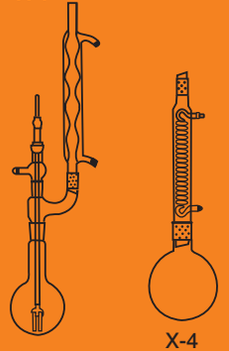
V-5

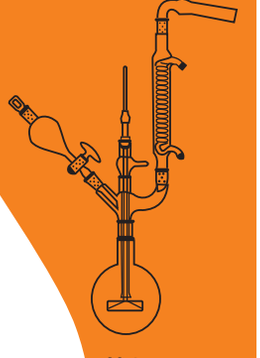
V-7

V-6

V-8







X -1 Reflux Assembly, SAFIRE GLASSWARE

Cat. No	Components
2070	R.B. flask 100 ml, Air condenser 500 mm

X -2 Reflux Assembly, SAFIRE GLASSWARE

Cat. No	Components
2071	R.B. flask 100 ml, Liebig condenser 300 mm
2072	R.B. flask 250 ml, Liebig Condenser, 400 mm
2073	R.B. flask 500 ml, Liebig condenser, 500 mm

X -3 Reflux Assemblies, SAFIRE GLASSWARE

Cat. No	Components
2074	R.B. flask 100 ml, Liebig condenser 300 mm
2075	R.B. flask 250 ml, Liebig Condenser, 400 mm
2076	R.B. flask 500 ml, Liebig condenser, 500 mm

X -4 Reflux Assemblies, SAFIRE GLASSWARE

Cat. No	Components
2077	R.B. flask 1000 ml, (24/29 neck), Reversible condenser
2078	R.B. flask 1000 ml, (34/35 neck), Reversible condenser

X -5 Reflux Assembly, SAFIRE GLASSWARE

Cat. No	Components
2079	R.B. flask 500 ml, Multiple adapter two necks, Stirrer guide, Rubber sleeve gland Link stirrer, 450 mm, Vertical Allihn condenser, 300 mm

X -6 Reflux Assembly, SAFIRE GLASSWARE

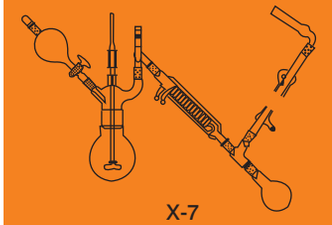
Cat. No	Components
2080	R.B. flask 1000 ml, Multiple adapter three necks, Stirrer Guide, Rubber sleeve gland, Collapsible paddle stirrer, 450 mm, Coil condenser, 150 mm Drying tube, Separating Funnel 100 ml, Stopper

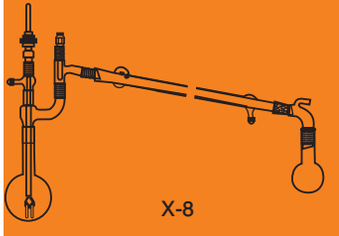
X - 7 Reaction Assembly, SAFIRE GLASSWARE

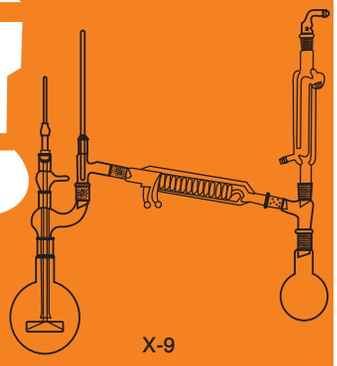
Cat. No	Components
2081	Round Bottom Flask 1000ml Multiple adapter three necks, Mercury seal gland, Fixed paddle stirrer 600 mm, Stillhead, Thermo -meter, with P.T.F.E. cone, Receiver adapter, Jacketed coil condenser 150 mm, Receiver adapter, bent with socket connection, Round bottom flask 250 ml, Liebig condenser 400 mm, Drying tube, Separating funnel 250 ml , Stopper

X - 8Reaction Assembly, SAFIRE GLASSWARE

Cat. No	Components
2082	Round bottom flask 500 ml, Multiple adapter two necks, Stirrer guide, Stuffing box gland with pulley, Link stirrer 450 mm, Stillhead, Thermometer pocket, Liebig condenser 400 mm, Receiver adapter bent with vent, Round bottom flask 100 ml







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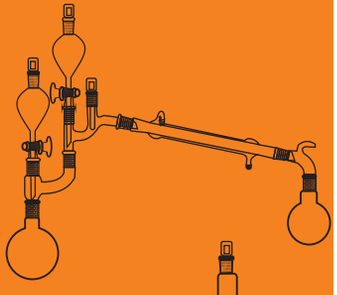

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X-11

X -9 Reaction Assembly, SAFIRE GLASSWARE

Cat. No	Components
2083	Round bottom flask 1000 ml, Multiple adapter two necks, Stirrer guide, Rubber sleeve gland, Collapsible paddle stirrer 450 mm, Stillhead Jacketed coil condenser 150 mm, Receiver adapter bent with socket connection, Round bottom flask 250 ml, Double surface condenser 200 mm, Cone adapter bent, Thermometer with P.T.F.E. cone

X -10 Reaction Assembly, SAFIRE GLASSWARE

Cat. No	Components
2084	R.B. flask, 500 ml, Multiple adapter two necks, Claisen head, Liebig condenser 200 mm, Receiver adapter bent with vent, R.B. flask, 250 ml, Separating funnel, 100 ml, Separating funnel, 100 ml, Stopper, Stopper, Thermometer pocket

X -11 Reaction Assembly, SAFIRE GLASSWARE

Cat. No	Components
2085	R.B. flask, 500 ml, Liebig condenser, 400 mm, Adapter with T connection, Separating funnel 100 ml, Stopper

X - 12 Reaction Assembly, SAFIRE GLASSWARE

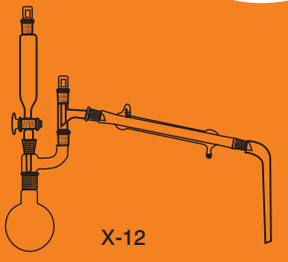
Cat. No	Components
2086	R.B. flask, 250 ml, Multiple adapter, two necks, Stillhead Liebig condenser, 200 mm, Receiver adapter, Thermometer pocket, Separating funnel, 100 ml, Stopper

X - 13 Reaction Assembly, SAFIRE GLASSWARE

Cat. No	Components
2087	R.B. flask, 1000 ml, Multiple adapter, three necks, Stirrer guide, Stuffing box gland with pulley, Collapsible Paddle stirrer, 450 mm, Stillhead, Liebig condenser, 400 mm, Receiver adapter, bent with socket connection R.B. flask, 500 ml, Drying tube, Thermometer pocket Separating funnel, 100 ml, Stopper

X - 14 Reaction Assembly, SAFIRE GLASSWARE

Cat. No	Components
2088	R.B. flask, 250 ml, Multiple adapter, two necks, Air leak tube, bent, Liebig, condenser, 200 mm, Drying tube , Gas wash bottle body, 250 ml, Gas wash bottle fitting



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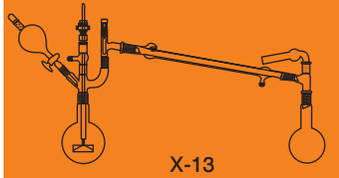

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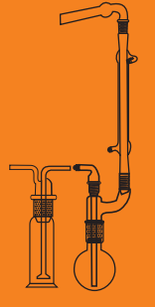

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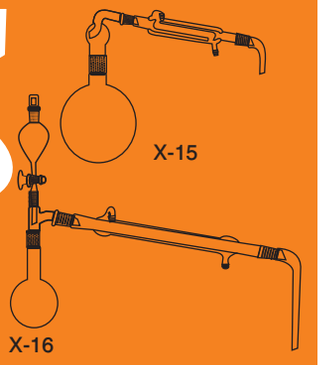
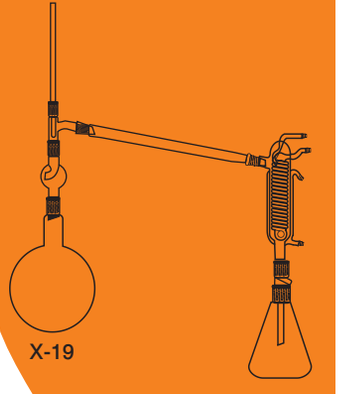
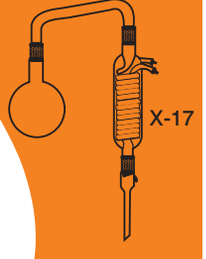






X -15 Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2089	R.B. flask, 2000 ml, Splash head, Double surface condenser, 200 mm, Receiver adapter

X -16 Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2090	R.B. flask, 500 ml, Stillhead Liebig condenser, 400 mm, Receiver adapter, Separating funnel, 100 ml, Stopper

X -17 Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2091	R.B. flask, 1000 ml, Recovery bend, Thorpe condenser, 200 mm Receiver Adapter

X -18 Distillation Assembly, SAFIRE GLASSWARE

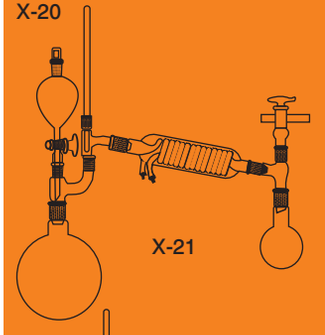
Cat. No	Components
2092	R.B. flask, 1000 ml, Recovery bend, Liebig condenser, 200 mm Receiver Adapter

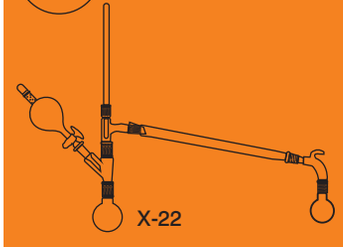
X -19 Distillation Assembly, SAFIRE GLASSWARE

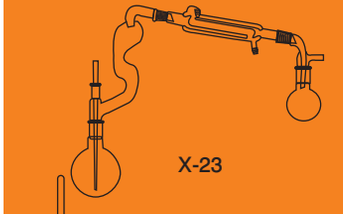
Cat. No	Components
2093	R.B. flask 3000 ml, Splash head adpter,Still head, Air condenser, 400 mm, Ether condenser, receiver adapter Conical flask, 1000 ml, Stopper Thermometere with P.T.F.E. cone

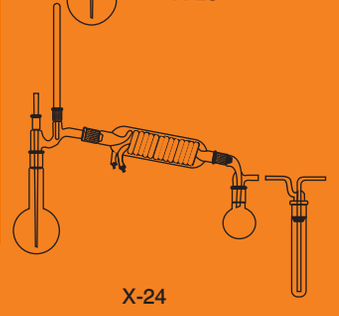
X -20 Preparation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2094	R.B. flask 500 ml, Still head, Thermometer with P.T.F.E. cone, Liebig condenser, 200 mm, Receiver adapter









X - 21 Vacuum Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2096	R.B. flask, 3000 ml, Multiple adapter, two necks, Stillhead Jacketed coil condenser, 150 mm, Recevier adapter, bent with socket connection R.B. flask, 250 ml, Vacuum release stopcock, Thermometer with P.T.F.E. cone , Separating funnel, 250 ml, Stopper

X - 22 Vacuum Distillation Assembly, SAFIRE GLASSWARE

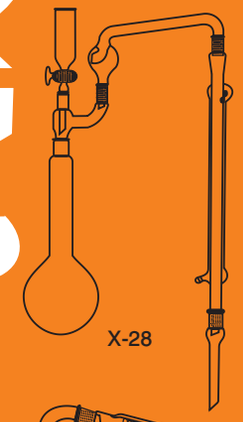
Cat. No	Components
2096	R.B. flask, 100 ml, Multiple adapter, two necks, Stillhead Air condenser, 400 mm, Receiver adapter,bent with vent, R.B.flask, 50 ml, Thermometer with P.T.F.E. cone , Separating funnel, 50 ml, Stopper

X - 23 Vacuum Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2097	R.B. flask, 500 ml, Splash head, double bulb, Double surface condenser, 200 mm Receiver adapter, with Vacuum connection, Round bottom flask, 100 ml, Air leak tube

X - 24 Vacuum Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2098	R.B. flask, 500 ml, Claisen head, Jacketed coil condenser, 150 mm, Receiver adapter with Vacuum connection, R.B. flask, 100 ml, Test tube, 200 ml, Gas wash bottle fitting, Thermometer with P.T.F.E. cone, Air leak tube



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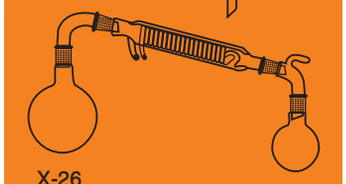

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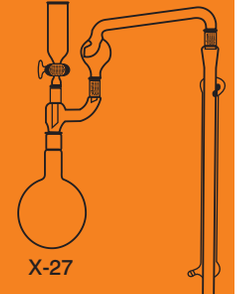

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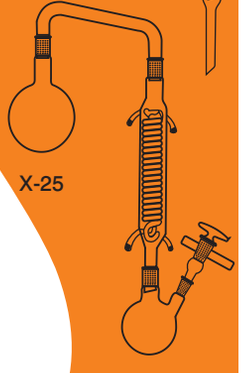


X-25

X -25 Vacuum Distillation Assembly,
SAFIRE GLASSWARE

Cat. No	Components
2099	R.B. flask, 1000 ml, Recovery bend, Double coil condenser Round bottom flask, two necks 500 ml, Vacuum release stopcock

X -26 Vacuum Distillation Assembly,
SAFIRE GLASSWARE

Cat. No	Components
2100	R.B. flask, 1000 ml, Recovery bend, Jacketed coil condenser, 150 mm, Receiver adapter, bent with vent, R.B. flask, 250 ml

X -27, Kjeldahl Distillation Assembly,
SAFIRE GLASSWARE

Cat. No	Components
2101	R.B. flask, 1000 ml, Multiple adapter, two necks, Splash head, vertical, Liebig condenser, 400 mm, Receiver adapter, Separating funnel, 100ml

X -28, Kjeldahl Distillation Assembly,
SAFIRE GLASSWARE

Cat. No	Components
2102	Kjeldahl flask, 1800 ml, Multiple adapter, two necks, Splash head, Verticl, Liebig Condenser, 400 mm, Receiver adapter, Separating funnel, 100 ml

X - 29 Fractionations Assembly,
SAFIRE GLASSWARE

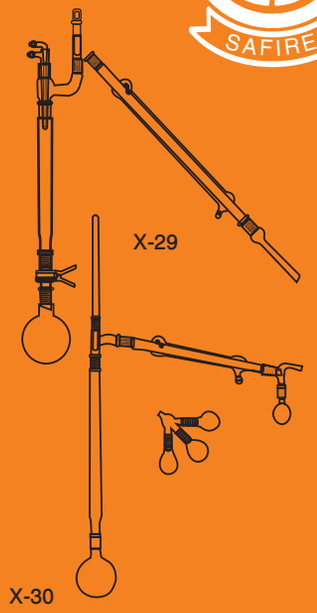
Cat. No	Components
2103	R.B. flask, 500 ml, Cup Joint adapter, Ball joint adapter Joint clip, S 35 Air condenser, 300 mm, Multiple adapter, two necks, Immersion condenser Stillhead, Thermometer pocket Receiver adapter, plain bend Liebig condenser, 400 mm, Receiver adapter

X - 30 Fractionation Assembly,
SAFIRE GLASSWARE

Cat. No	Components
2104	R.B. flask, 250 ml, Air condenser, 400 mm, Stillhead Thermometer with P.T.F.E. cone Liebig condenser, 200 mm Bend with multiple connection 3 x R.B. flask, 25ml

X - 31 Fractionation Assembly,
SAFIRE GLASSWARE

Cat. No	Components
2105	R.B. flask, 1000ml, Swan neck adapter, Air condenser, 400 mm, Multiple adapter, two necks, Immersion condenser, Still head, Thermometer, with P.T.F.E. cone, Liebig condenser, 400 mm, Ball joint adapter Cup joint adapter, Adapter with 'T' connection, Separating funnel, 100 ml, Reduction adapter R.B. flask, two necks, 500 ml Vacuum release stopcock, Joint clip, S 29



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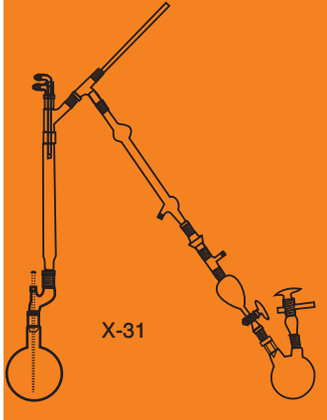
X-30



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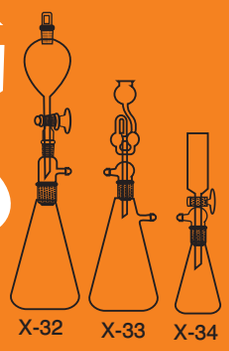
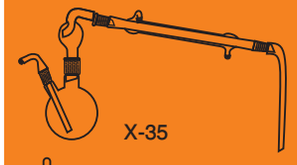
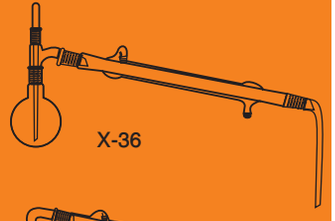
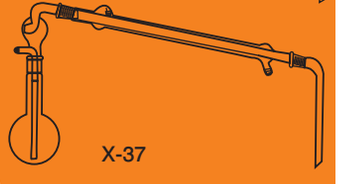
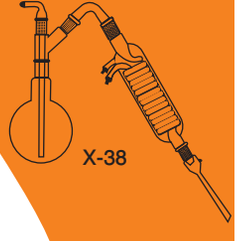










X -32 Gas Evolution Assembly, SAFIRE GLASSWARE

Cat. No	Components
2106	Conicil flask, 1000 ml, Adapter with 'T' connection, Separating funnel, 500 ml, Stopper

X -33 Gas Evolution Assembly, SAFIRE GLASSWARE

Cat. No	Components
2107	Buchner flask, 1000 ml, Thistle funnel head

X -34 Gas Evolution Assembly, SAFIRE GLASSWARE

Cat. No	Components
2108	Conical flask, 500 ml, Separating funnel, 100 ml

X -35 Steam Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2109	R.B. flask, two necks, 500 ml Splash head, Liebig condeser, 200 mm, Receiver adapter, Air Leak tube

X -36 Steam Distillation Assembly, SAFIRE GLASSWARE

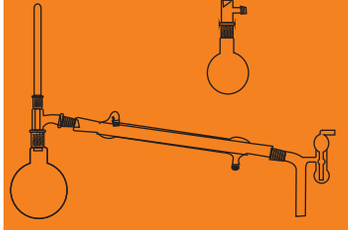
Cat. No	Components
2110	R.B. flask, 500 ml Stillhead Air leak tube, Liebig condenser 400 mm, Receiver adapter

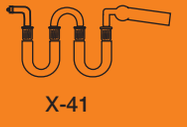
X -37 Steam Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2111	R.B. flask, 500 ml Steam distillation head, Liebig condenser, 400 mm, Receiver adapter

X -38 Steam Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2112	R.B. flask, 1000 ml, Multiple adapter, two necks, Air leak tube, bent, Recovery bend, Jacketed coil condenser, 150 mm, Receiver adapter





X - 39 Frothy Liquids Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2113	R.B. flask, 1000 ml, Anti-foaming splash head,Air leak tube, Thermometer, Pocket, Receiver adapter, Coil condenser, 300 mm, Adapter with 'T' connection R.B. flask, 250 ml

X - 40 Destructive Distillation Assembly, SAFIRE GLASSWARE

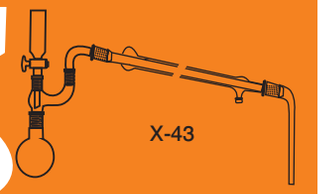
Cat. No	Components
2114	R.B. flask, 1000 ml, Stillhead Thermometer with P.T.F.E. cone Liebig condenser, 400 mm, Gas absorption adapter with vacuum break

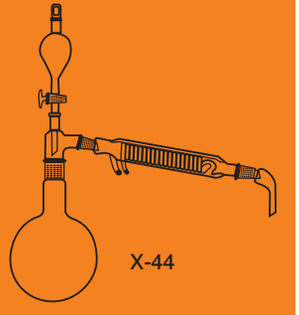
X - 41 Gas Abosrption Assembly, SAFIRE GLASSWARE

Cat. No	Components
2115	2 X U-tubes with socket 1 X U-tube with cone, Drying tube, Cone adapter, bent

X - 42 Vacuum Sublimation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2116	Test tube, Adapter with 'T' connection, Immersion condenser


X-43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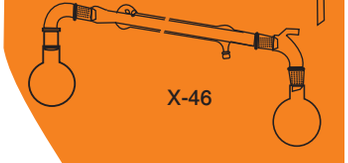
X-45


X-46

X -43 Recovery Assembly, SAFIRE GLASSWARE

Cat. No	Components
2117	R.B. flask, 250 ml, Multiple adapter, two necks, Recovery bend, Liebig condenser, 400 mm Receiver adapter, Separating funnel, 100 ml

X -44 Recovery Assembly, SAFIRE GLASSWARE

Cat. No	Components
2118	R.B. flask, 2000 ml, Stillhead Jacketed coil condenser, 150 mm Receiver adapter, Separating funnel, 10 ml, Stopper

X -45 Solvent Recovery Assembly, SAFIRE GLASSWARE

Cat. No	Components
2119	F.B. flask, 150 ml, Recovery bend, Jacketed coil condenser 150 mm, Receiver adapter

X -46 Solvent Recovery Assembly, SAFIRE GLASSWARE

Cat. No	Components
2120	R.B. flask, 250 ml, Recovery bend, Liebig condenser, 400 mm Receiver adapter, bent with vent R.B. flask, 250 ml

X -47 Solvent Recovery Assembly, SAFIRE GLASSWARE

Cat. No	Components
2121	R.B. flask, 500 ml, Recovery bend, Air condenser, 200 mm Ether condenser, Buchner flask 250 ml

X -48 Solvent Recovery Assembly, SAFIRE GLASSWARE

Cat. No	Components
2122	R.B. flask, 500 ml, Hopkin condenser, Receiver adapter

X -49 Solvent Recovery Assembly, SAFIRE GLASSWARE

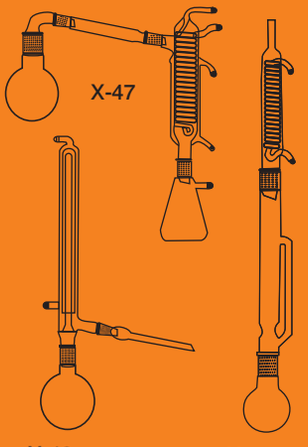
Cat. No	Components
2123	F.B. flask, 250 ml, Plain body extractor, Coil Condenser, 150 mm

X - 50 Vacuum Distillation Unit, SAFIRE GLASSWARE

Cat. No	Components
2114	Reaction vessel, 20000 ml with 100 mm flat flange joint, 100 mm flat flange adapter with five necks Joining clip, 100 mm, Gas inlet tube, Thermometer pocket, Stopper, Recovery bend, Thermometer with P.T.F.E. cone, Stirrer guide Ground sleeve gland, Anchor stirrer, 750 mm, Double coil condenser, 380 mm, Receiver adapter, Intermediate flask, 500 ml, Vacuum control stopcock Stopcock adapter, Round bottom flask, two necks, 2000 ml Vacuum release stopcock

X - 51 Distillation Unit, SAFIRE GLASSWARE

Cat. No	Components
2125	Reaction vessel, 10000 ml with 100 mm flat flange joint 100 mm flat flange adapter with 4 necks, Joining clip, 100 mm, Gas inlet tube, Stopper Stirrer guide, Ground sleeve gland Anchor stirrer, 750 mm Stillhead, Double coil condenser 230 mm, receiver adapter, R.B. flask, 2000 ml, Thermometer pocket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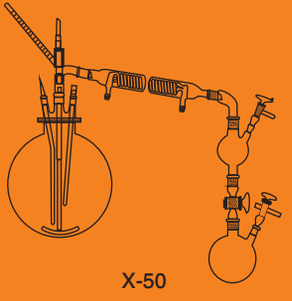
X-48 X-49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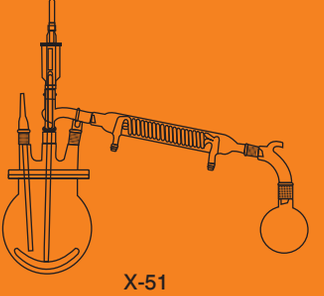
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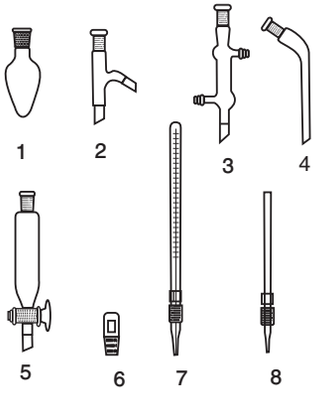


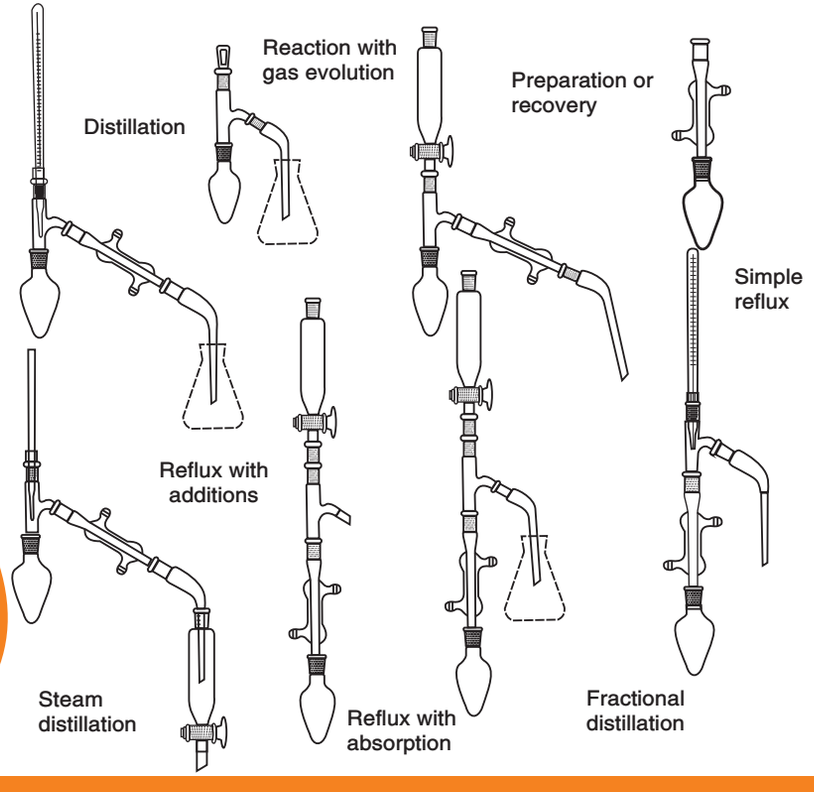
X-52

X -52 Miniature Set (Basic), SAFIRE GLASSWARE

This miniature set is ideal for organic chemistry preparations upto 15 gram scale. One joint size (10/19) is used throughout. Some of the model assemblies are shown below.

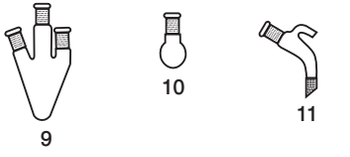
Cat. No	Components
2126	1 Pear shaped flask 25 ml 2 Stillhead 3 Liebig condenser 60 mm 4 Receiver adapter 5 Cylindrical funnel 20 ml 6. Stopper 7. Thermometer with PTFE cone 8. Air leak tube with PTFE cone

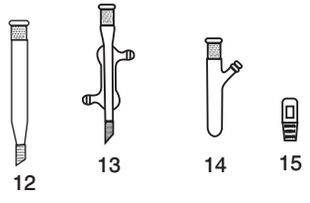
MODEL ASSEMBLIES



X - 53 Miniature set (Comprehensive), SAFIRE GLASSWARE

This miniature set contains all the parts of basic set plus the additional parts as illustrated,. Thus more assemblies could be assembled as shown below.

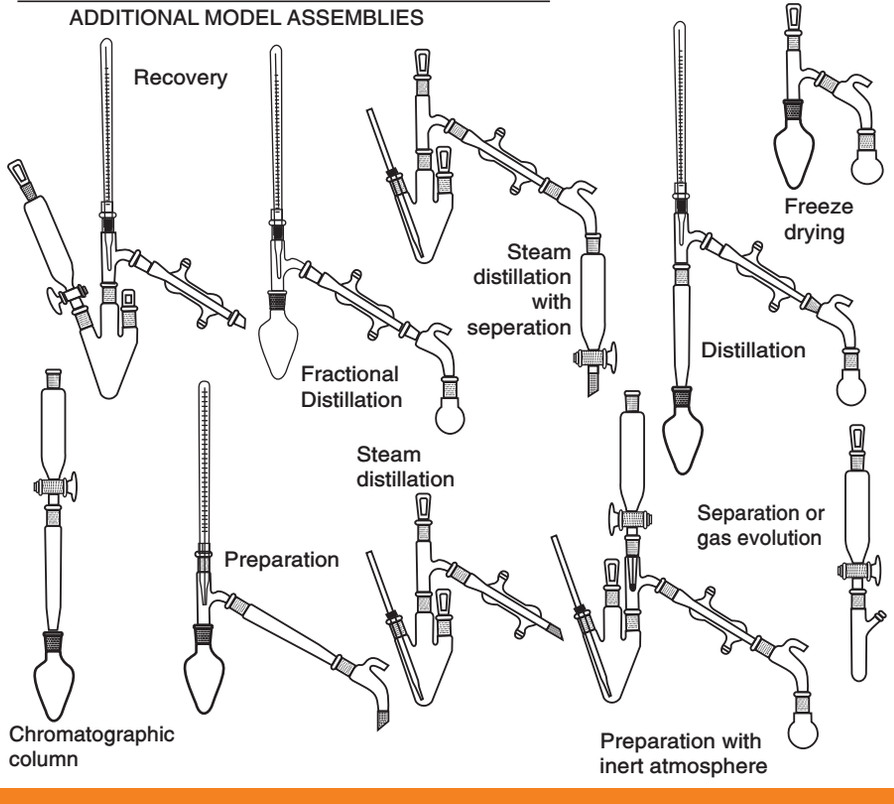


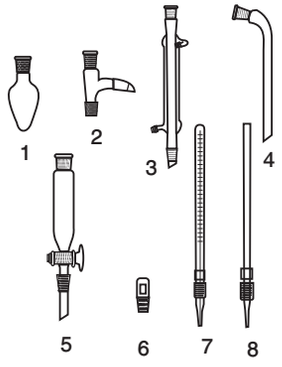


X-53

Cat. No	Components
2127	1 to 8 of 2126 9 Pear shape flask 3 necks, 25 10 R.B. flask 5 ml 11 Receiver adapter bent with vent 12 Air condenser 100 mm 13 Liebig condenser 60 mm 14 Filter tube 15 Stopper

ADDITIONAL MODEL ASSEMBLIES





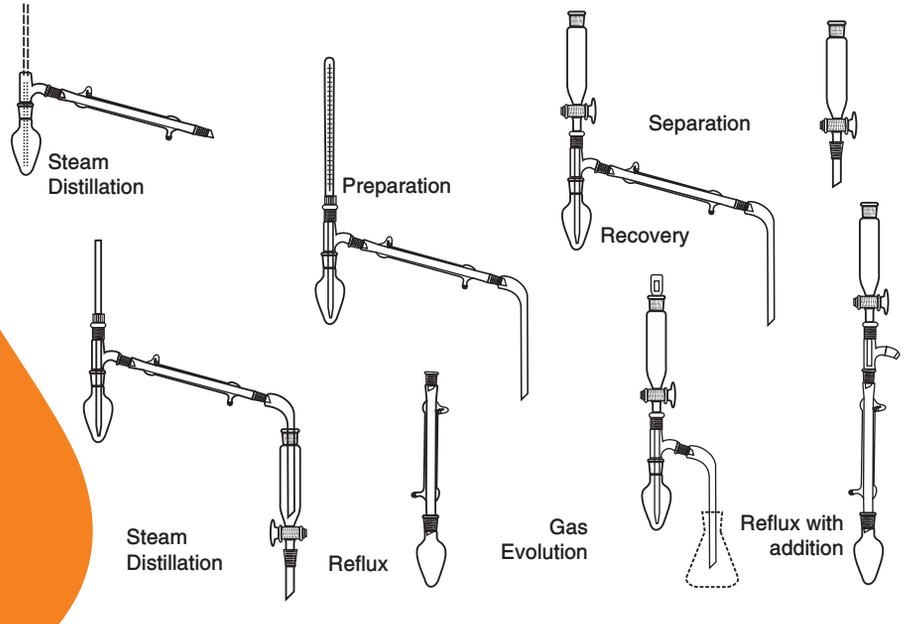
X-54

X -54 Semi Micro Set (Basic),
SAFIRE GLASSWARE

This Semi- micro set is ideal for organic chemistry preparations up to 30 gram scale. One Joint size (14/23) is used throughout. Some of the model assemblies are shown below..

Cat. No	Components
2128	1 Pear shaped flask 50 ml 2 Stillhead 3 Liebig condenser 150 mm 4 Receiver adapter 5 Cylindrical funnel 50 ml 6 Stopper 7 Thermometer with PTFE cone 8 Air leak tube with PTFE cone

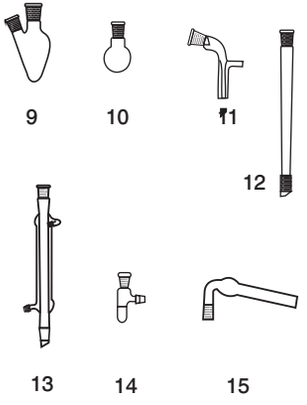
MODEL ASSEMBLIES



X - 55 Semi Micro Set (Comprehensive),
SAFIRE GLASSWARE

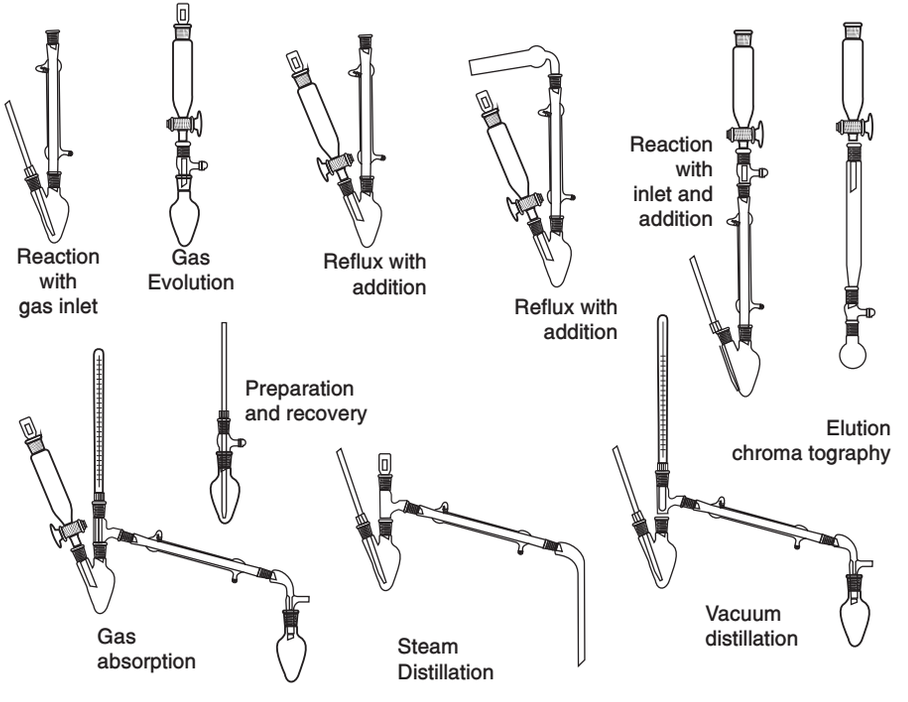
This Semi Micro set contains all the parts of basic set plus the addtional parts as illstrated, Thus more assemblies could be assembied, as shown below. Condenser is duplicated because of its more uasge.

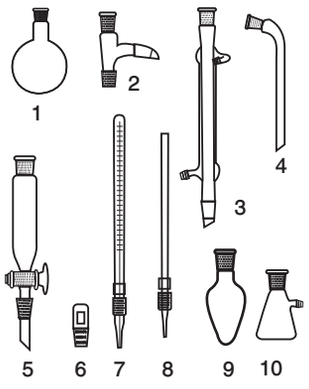
Cat. No	Components
2129	1 to 8 of 2128 9 2 necks pear shaped flask 50 ml 10 R.B. flask 25 ml 11 Receiver adapter t with Vacuum connection 12 Air condenser 200 mm 13 Liebig condenser 150mm 14 Adapter with T connection 15 Drying tube



X-55

ADDITIOANAL MODEL ASSEMBLIES





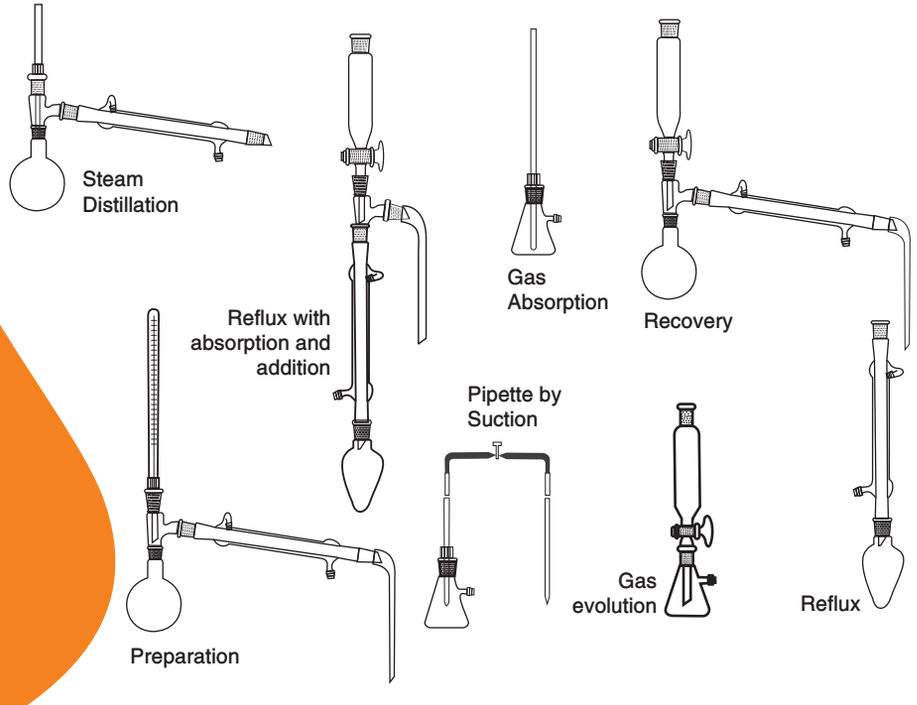
X-56

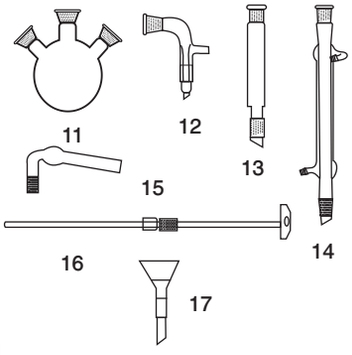
X -56 Micro Set (Basic), SAFIRE GLASSWARE

This Micro set is ideal for organic chemistry preparations upto 150 gram scale. one joint size 919/26) is used throughtout. Some of the model assemblies are shown below.

Cat. No	Components
2130	1 R.B. flask 250 ml 2 Stillhead 3 Liebig condenser 200 mm 4 Receiver adapter 5 Cylindrical funnel 100 ml 6 Stopper 7 Thermometer with PTFE cone 8 Air leak tube with PTFE cone 9 Pear shaped flask 100 ml 10 Buchner flask 100 ml

MODEL ASSEMBLIES





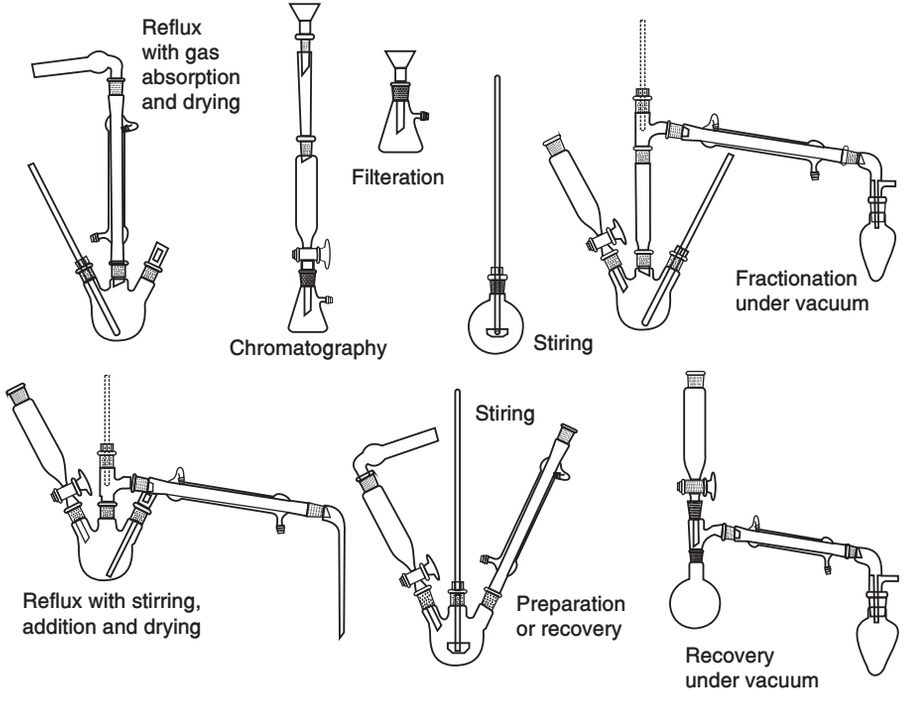
X-57

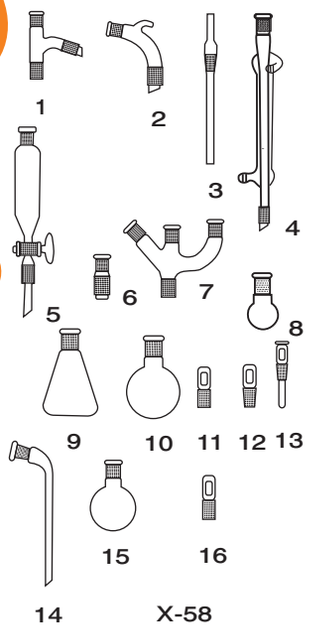
X - 57 Micro Set (Comprehensive), SAFIRE GLASSWARE

This Micro set contains all the parts of basic set plus the additional parts as illustrated. Thus more assemblies could be assembled as shown below. Condenser is duplicated because of its more usage.

Cat. No	Components
2131	1 to 10 of2130 11 3 necks R.B. flask 250 ml 12 Receiver adapter with Vacuum connection 13 Air Condenser 150 mm 15 Drying tube 16 PTFE Bladed stirrer with PTFE cone 17 Sintered conical Filter

ADDITIOANAL MODEL ASSEMBLIES



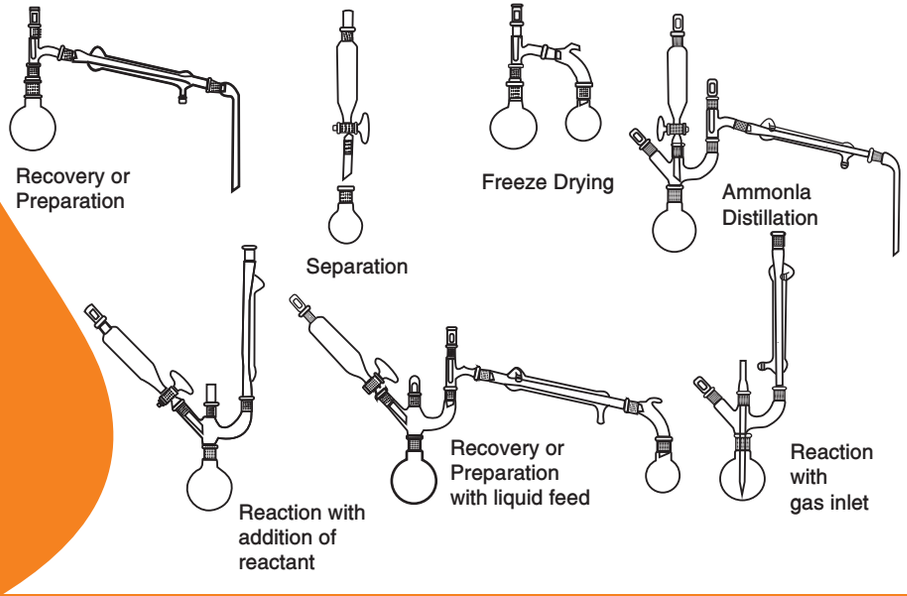


X -58 Laboratory Equipment Set, SAFIRE GLASSWARE

This set is ideal for use in preparative organic chemistry upto 150 gms scale both for students as well as industrial Laboratories. with items 1 to 16 included in this set illustruatons 1-7 shown below could be assembled

Cat. No		Components
2132	1	Stilhead
	2	Receiver adapter
	3	Air leak tube
	4	Liebig condenser 200 mm
	5	100 ml separating funnel
	6	Reduction adapter
	7	Multiple adapter
	8	50 ml R.B. flak
	9	250 ml conical flask
	10	250 ml R.B. flask
	11	Stopper
	12	Stopper
	13	Thermometer pocket
	14	Receiver adapter, bent
	15	100 ml R.B. flask
	16	Stopper

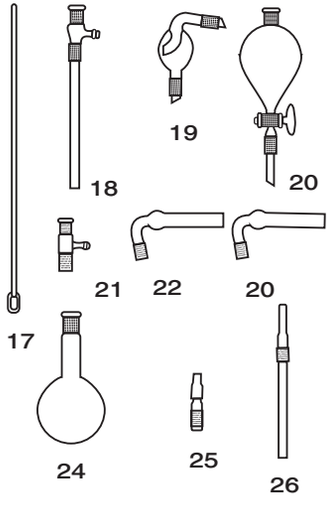
MODEL ASSEMBLIES

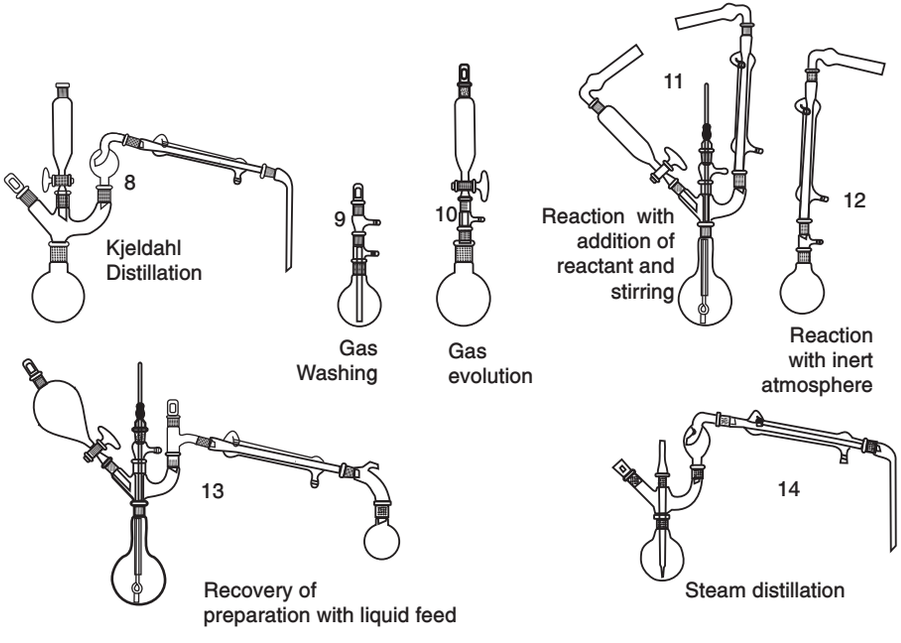


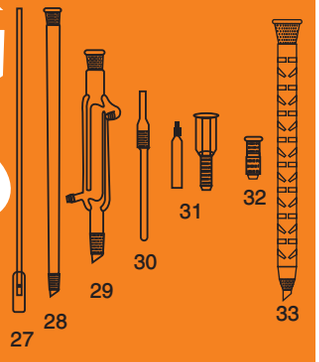
X - 59 Laboratory Equipment Set, SAFIRE GLASSWARE

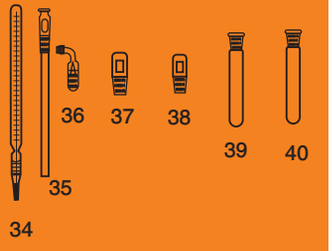
This set permits working upto 300 gms scale with provision for stirring and more refined equipments for steam distillation. With items 1-26 included in this set and illustrations 1-14 shown could be assembled.

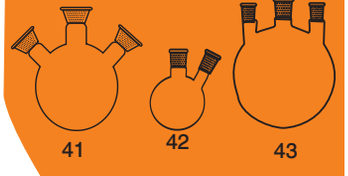
Cat. No		Components
2133	1	to 16 of 2132
	17	Stirrer, link
	18	Stirrer guide
	19	Splash head
	20	500 ml. pear shaped funnel
	21	Adapter with 'T' connection]
	22	Drying tube
	23	Drying tube
	24	500 ml R.B. flask
	25	Stirrer gland
	26	Air leak tube 150 mm

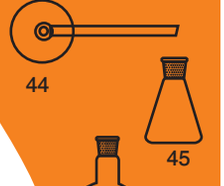












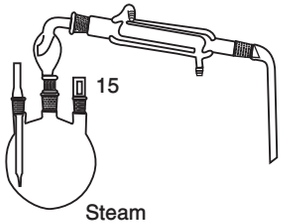
X-60

X -60 Laboratory Equipment Set, SAFIRE GLASSWARE

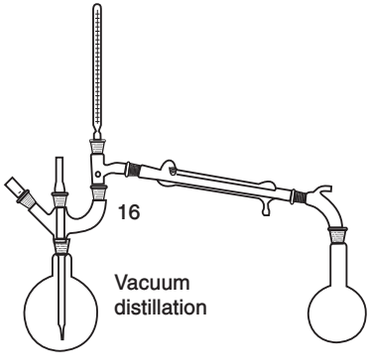
This set is suitable for work upto 1 kg scale with more refined stirring aparatus larger capacity flasks, fractionating column etc., and is excellent for research work. With items 1-46 included in this set illustration 1-20 shown could be assembled

Cat. No		Components
2134	1	to 26 of 2133
	27	Stirrer, Collapsible paddle
	28	Air condenser
	29	Double surface Condenser
	30	Air leak tube
	31	Ground sleeve stirrer gland
	32	Reduction adapter
	33	Vigreux column
	34	Thermometer 0° to 250° C, P.T.F.E. cone
	35	Thermometer pocket
	36	Adapter, bent
	37	Stopper
	38	Stopper
	39	Test tube
	40	Test tube
	41	1000 ml. R.B. three necks flask
	42	250 ml. R.B. two necks flask
	43	2000 ml. R.B. three necks flask
	44	Stirrer pulley
	45	250 ml. Conical flask
	46	1000 ml. R.B. flask

Additional Model Assemblies

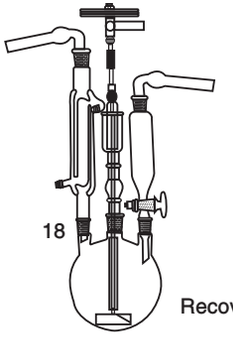


Steam distillation

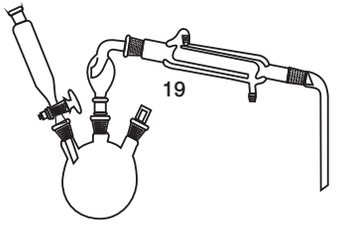


Vacuum distillation

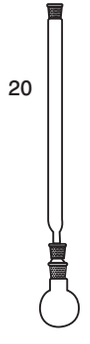
Reflux



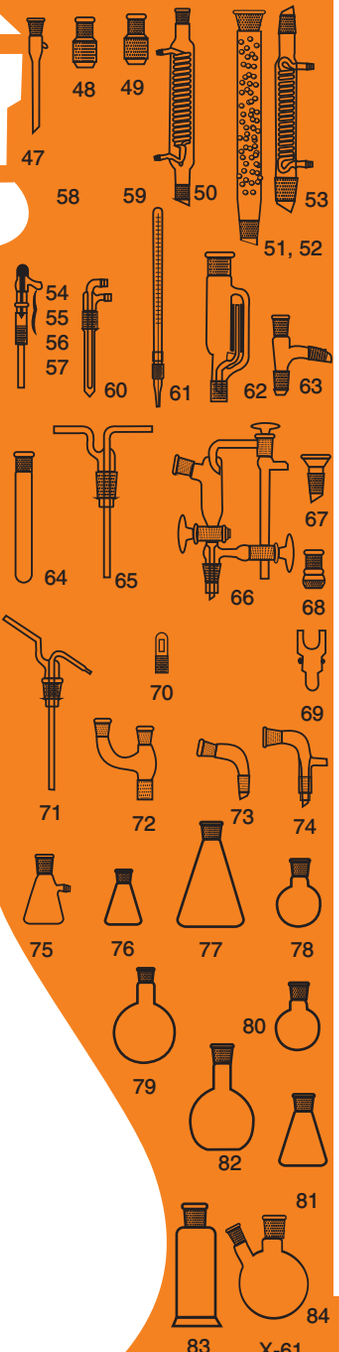
Recovery



Reflux with stirring and addition of reactant



Reflux

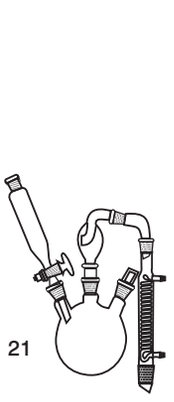


X-61

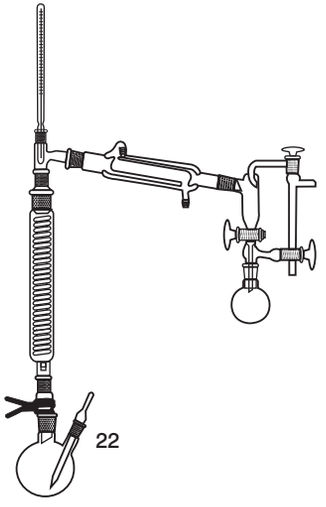
X -61 Laboratory Equipmet Set, SAFIRE GLASSWARE

This is a comprehensive set, fully equipped to carry out almost any organic chemistry procedure, and is ideal for both academic and industrial research workers.
Consisting of 84 items all the 28 assemblies illustrated could be assembled with this set.

Cat. No		Components
2135	1	to 46 of 2134
	47	Receiver adapter, straight
	48	Reduction adapter
	49	Reduction adapter
	50	Coil condenser 150 mm
	51	Plain fractionating column, 250 mm
	52	250 ml. rasching rings
	53	Coil condenser reversible, 150 mm
	54	Non-return valve cap
	55	Non return valve disc
	56	2 x stainless steel springs
	57	Non-return valve body
	58	Packing support, 16mm diameter
	59	Packing support, 29mm diameter
	60	Immersion condenser
	61	Thermometer 0° to 360° C
		P.T.F.E. cone
	62	60 ml. soxhlet extractor
	63	Stillhead
	64	Test tube
	65	Drechsel bottle head
	66	Intermediate vacuum receiver
	67	Conical/Spherical adapter
	68	Conical/Spherical adapter
	69	Spherical joint clip
	70	Stopper
	71	Wash bottle head
	72	Multiple adapter
	73	Bend
	74	Vacuum receiver adapter
	75	100 ml flask, Buchner
	76	50 ml. conical flask
	77	500 ml Conical flask
	78	150 ml R.B. flask
	79	500 ml R.B. flask
	80	100 ml R.B. flask
	81	150 ml Conical flask
	82	500 ml F.B. flask
	83	Drechsel bottle, 250 ml
	84	500 ml R.B. two necks flask

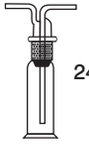


Recovery



Vacuum Fractionation

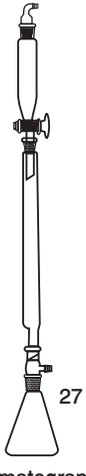
Non-return Valve



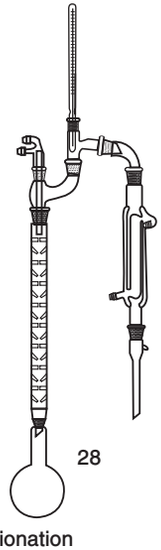
Drechsel Bottle

Wash Bottle

Soxhlet Extration

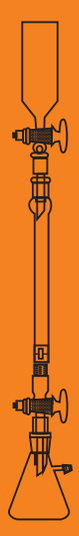


Chromatography Flution

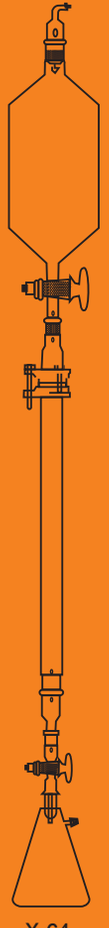


Fractionation with reflux Control

X-62



X-63



X-64

X -62 Chromatography Apparatus, Smal Size, SAFIRE GLASSWARE

Cat. No	Components
2136	Buchner flask 100 ml, 100 mm x 10 mm column with sinter and top, Reservoir 50 ml Cone adapter, 4 X joint springs
2137	As per 2136 but with 200 mm x 10 mm column
2138	As per 2136 but with 300 mm x 10 mm column

X -63 Chromatography Apparatus, Medium Size, SAFIRE GLASSWARE

Cat. No	Components
2139	Buchner flask 250 ml, Tap adapter 200 mm x 18 mm column with sinter, Reduction adapter, Reservoir, 250 ml 2 x joint springs
2140	As per 2139 but with 300 mm x 18 mm column
2141	As per 2139 but with 400 mm x 18 mm column

X - 64 Chromatography Apparatus, Large Size, SAFIRE GLASSWARE

Cat. No	Components
2142	Buchner flask 1000 ml, Tap adapter, Sintered adapter Column 500 mm with intermediate 1.5” pipe flange, Globular shape reservoir, 5000 ml, Cone adapter 6 x joint springs Flange coupling
2143	As per 2143 but with 900 mm column with intermediate 2.0” pipe flange

X - 65 Arsenic Determination Apparatus, SAFIRE GLASSWARE

Cat. No	Components
2144	Comprising of 100 ml, bottle and arsenic tube in two parts with rubber cork ends

X - 66 Arsenic Determination Apparatus, Gutzeit, SAFIRE GLASSWARE

Cat. No	Components
2145	Comprising of 100 ml, bottle and inner fitting. The arsenic tube is in two parts with ground flange ends and can be connected together by means of a spring or rubber band.

X - 67 Carbon-Di-Oxide Determination Apparatus, SAFIRE GLASSWARE

Cat. No	Components
2146	Schroedter or Liebig Alkali meter. All joints are interchangeable and the aparatus is small enough to be weighed on the pan of analytical balance.

X - 68 Particle Size Determination Apparatus, SAFIRE GLASSWARE

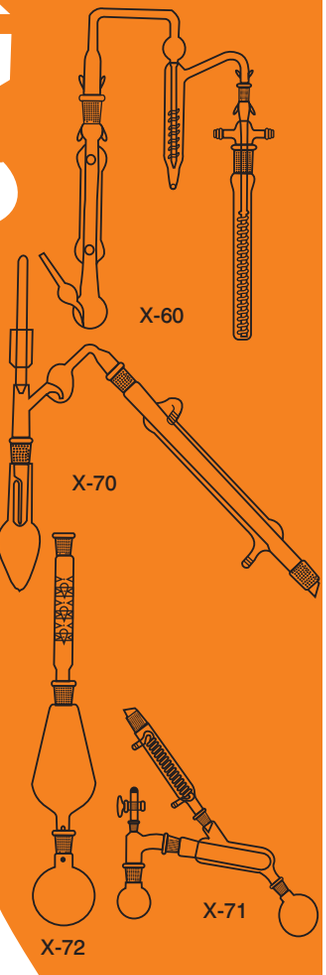
Cat. No	Components
2147	Sedimentation pipette, Andreasen - Comprising of 550 ml glass cylinder graduated from 0 to 20 cm and an inner fitting with a pipette . The pipette capacity is 10 ml and it is provided with a 3-way stopcock for drainge into a weighed dish.

X-65

X-66

X-67

X-68



X - 69 Alkoxyl Group Determination Apparatus, SAFIRE GLASSWARE

Cat. No	Components
2148	Distillation flask combines with condenser, Scrubber, Delivery tube with sprial, Receiver tube

X -70 Acetyl Group Determination Apparatus, SAFIRE GLASSWARE

Cat. No	Components
2149	Pear shape falsk, 50 ml Stillhead, Liebig condenser 200 mm, Funnel plug (Reflux can be arranged by fitting the condenser directly into the flask)

X - 71 Vacuum Drying Pistol, SAFIRE GLASSWARE

Cat. No	Components
2150	Desiccant flask 100 ml, Stillhead, Tap adapter Jcaketed tube, Boiling flask, 250 ml, Coil condenser 150 mm

X - 72 Kuderna Danish Evaporator, SAFIRE GLASSWARE

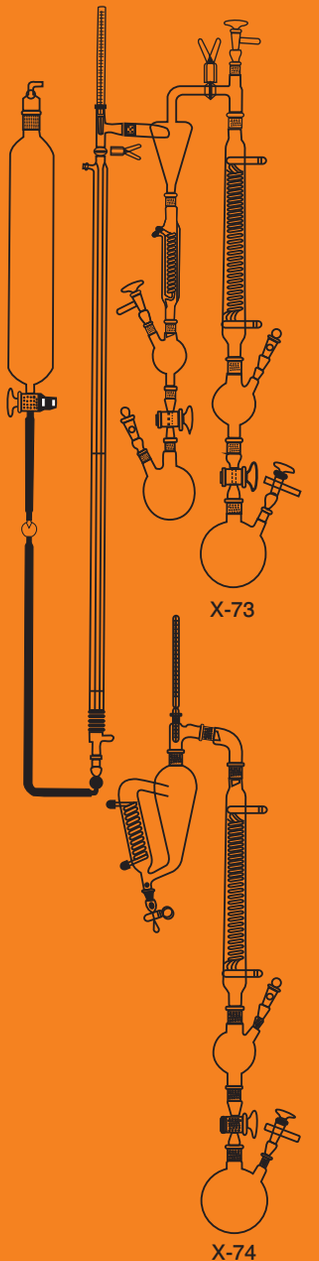
Cat. No	Components
2151	R.B. flask 150 ml, Upper chamber 250 ml, Kuderna column

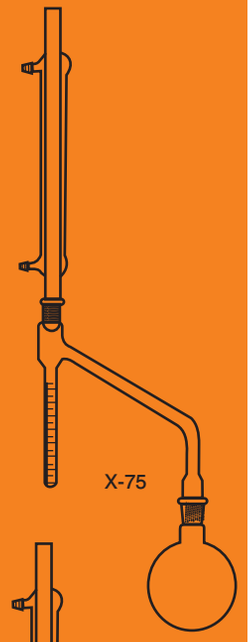
X - 73 Climbing Film Evaporator, SAFIRE GLASSWARE

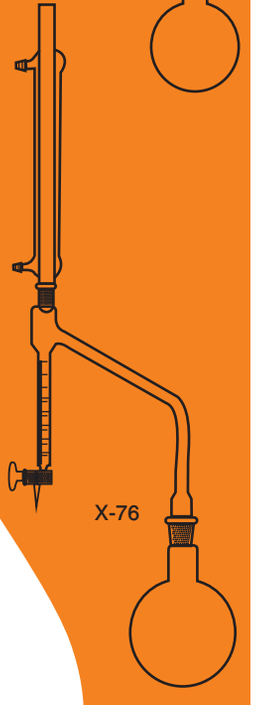
Cat. No	Components
2152	Stopcock adapter, Reservoir 4000 ml, Flow indicator, Control stopcock, Evaporator tube, 1500 mm long, Joint clip Sc29 Stillhead, Thermometer with PTFE cone, Cyclone body Jacketed coil condenser, 150mm Intermediate receiver flask 250 ml, 3 x vacuum control stopcock, Stopcock adapter, Receiver flask, two necks 1000 ml, 2 X vacuum release stopcock, Joint clip S 35 Stillhead, Double coil condenser 380 m, Intermediate receiver flask 500 ml, Stopcock adapter Receiver flask, two neks, 2000 ml

X - 74 Circulatory Cyclone Evaporator, SAFIRE GLASSWARE

Cat. No	Components
2153	Steam heated cyclone evaporator Feed control stopcock, Stillhead Thermometer with PTFE cone Receiver adapter, Double coil condenser 380 mm, Intermediate receiver flask 500 ml, vacuum control stopcock, Stopcock adapter Receiver flask, two necks, 2000 ml Vacuum release stopcock.







X -75 Water Estimation Apparatus, (DEAN & STARK), Light Entrainer, Without Stopcock, SAFIRE GLASSWARE

Cat. No	Components
2154	Receiver 2 ml, R.B. Flask 250 ml, Liebig condneser 400 mm
2155	Receiver 7.5 ml, R.B. Falsk 500 ml, Liebig condenser 400 mm
2156	Receiver 10 ml, R.B. Flask 1000 ml, Liebig condenser 400 mm
2157	Receiver 25 ml, R.B. Flask 1000 ml, Liebig condenser 400 mm
2158	Receiver 100 ml, R.B. Flask 1000 ml, Liebig condenser 400 mm

X -76 Water Estimation Apparatus, (DEAN & STARK) Light Entrainer, with Stopcock, SAFIRE GLASSWARE

Cat. No	Components
2159	Receiver 2 ml, R.B. Flask 250 ml, Liebig condneser 400 mm
21605	Receiver 7.5 ml, R.B. Falsk 500 ml, Liebig condenser 400 mm
2161	Receiver 10 ml, R.B. Flask 1000 ml, Liebig condenser 400 mm
2162	Receiver 25 ml, R.B. Flask 1000 ml, Liebig condenser 400 mm
2163	Receiver 100 ml, R.B. Flask 1000 ml, Liebig condenser 400 mm

X -77 Beckmann Freezing Point Apparatus, SAFIRE GLASSWARE

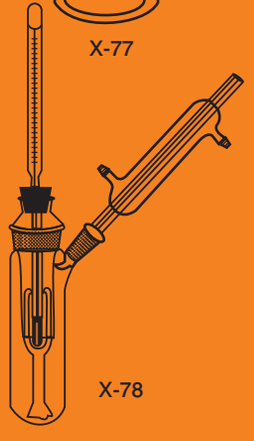
Cat. No	Components
2164	Comprising of outer jar with stainless steel cover and stirrer, jacketed inner tube with nicket stirer and metal base plate without thermometers

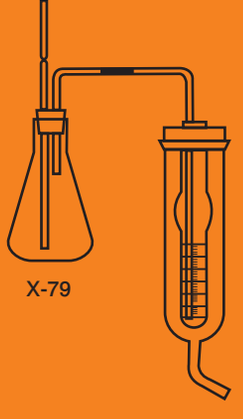
X -78 Cottrel Brown Boiling Point Apparatus SAFIRE GLASSWARE,

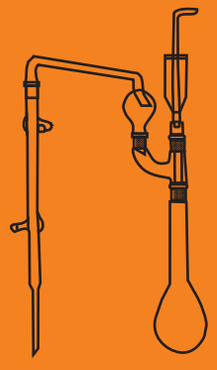
Cat. No	Components
2165	Comprising of boiling tube with inner fitting, Cottrel pump and condenser without thermometer, The trap at the lower end of the condenser permits the collection of a representative sample of the vapour phase at any time during equilibrium conditions when the condenser is kept as shown in the illustration. When the condenser is turned down, the trap will not collect any sample.

X -79 Lands burger Boiling Apparatus (Walker Lumsden), SAFIRE GLASSWARE

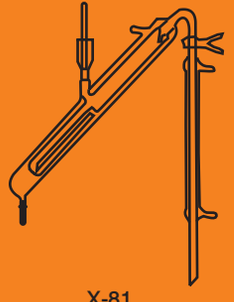
Cat. No	Components
2166	Comprising of graduated inner tube with outer jacket and conical falsk with connecting tubes Cork fitted







X-80



X-81

X -80 Kjeldahl Distillation Assembly, SAFIRE GLASSWARE

Cat. No	Components
2167	Kjeldahl flask 500 ml, Multiple adapter two necks, Dropping funnel 50 ml, Dropping funnel plug, Splash head, Vertical Liebig condenser 200 mm Receiver adapter
2168	Kjeldahl falsk 500 ml Multiple adapter, two necks Dropping funnel 50 ml, Dropping funnel plug Splash head, vertical Liebig condenser 200 mm Joint clip, S 19

X -81 Markham Semi-Micro Distillation Unit, SAFIRE GLASSWARE

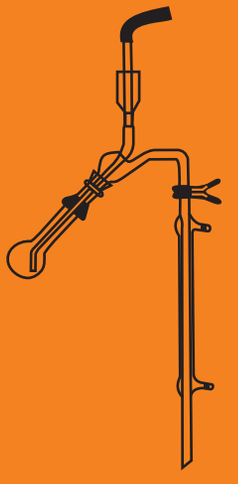
Cat. No	Components
2169	Markham still body, Funnel plug, Liebig condenser 200 mm, Joint clip, s 19
2170	Markham still body, Funnel plug, Liebig Condenser 200 mm, Receiver adapter

X - 82 Semi-Micro Kjeldah Apparatus, SAFIRE GLASSWARE

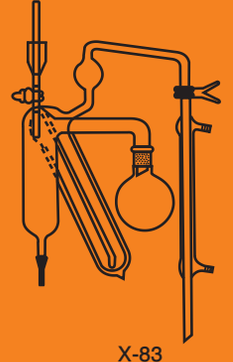
Cat. No	Components
2171	Kjeldahl flask, 50 ml, Distillation head with funnel, S 19 Ball Funnel plug. Liebig Condenser 200 mm, S 19 up Joint clip, S 19
2172	Kjeldahl flask 100 ml, Distilation head with funnel, S 19 Ball, Funnel plug, Liebig condenser 200 mm, S 19 Cup Joint clip, S 19
2173	Kjeldahl flask, 50 ml Distillation, head with funnel 14/23 Cone, Funnel Plug, Liebig condenser 200 mm 14/23 Joint
2174	Kjeldahl flask 100 ml Distillation head with funnel, Funnel plug Liebig condenser 200 mm, 14/23 joint

X -83 Parnas & Wagner Apparatus (All Glass), SAFIRE GLASSWARE

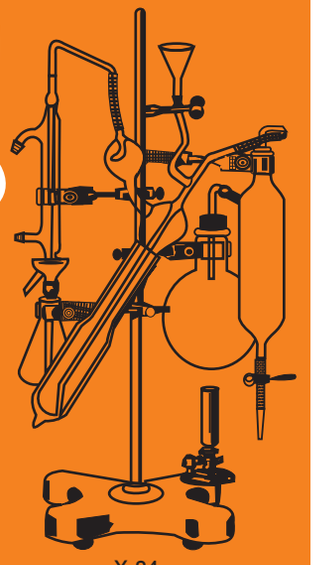
Cat. No	Components
2175	Steam generating flask, 250 ml, Steam trap Vacuum jacketed falsk, 100 ml Funnel plug, Liebig condenser 200 mm, Joint clip, S 13 Joint clip, S 19



X-82



X-83



X-84

X-84a

X-84b

X -84 Parnas & Wagner Apparatus
(Standard Type) SAFIRE GLASSWARE

Cat. No	Components
2176	Steam generating flask, 1000 ml, Steam trap, Vacuum jacketed flask, Funnel with pinch cock, Condenser body Condenser inner tube (glass) Receiving flask 250 ml, Stand, clamps and burner as suggested B.S.S.
2177	Steam generating flask, 1000 ml, Steam trap, Vacuum jacketed flask, Funnel with pinch cock, Condenser body Condenser inner tube (silver) Receiving flask 250 ml, Stand, Clamps and burner as suggested in B.S.S.

X -84 A Vacuum Jacketed, flask for Parnas Wagner Apparstus, SAFIRE GLASSWARE

Cat. No	Components
2338	Flask for rubber tube connection

X -84 B Flask, Dewar, Silvered without carrying case and stopper, SAFIRE GLASSWARE

Cat. No	Cap, ml.
2339	250
2340	500
2341	1000
2342	1500
2343	2000

X - 85 Volatile Acid Determination Apparatus,
SAFIRE GLASSWARE

Cat. No	Description
2178	Polenske and Reichertmeissl- For the determination of soluble and insoluble volatile acids in fats and oils. For analysis of butter and butter fats. Comprising of 300 ml,flask, stillhead, condenser and receiver flask graduated at 100 and 110 ml.
2179	Comprising of the parts of 2178 but complete with stand, clamps and burner

X -86 Essential Oil Determination Apparatus,
SAFIRE GLASSWARE

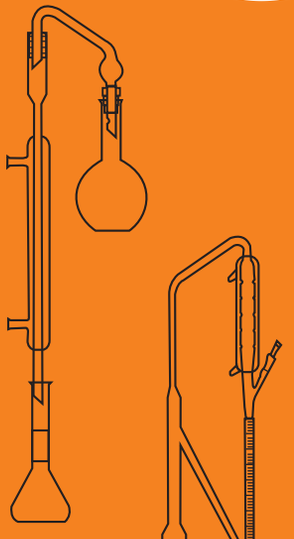
Cat. No	Description
2180	Cocking and middleton - For the determination of volatile oil in drugs - comprising of 1000 ml flask and vertical tube combined with condenser and measuring tube with stopcock. A return tube for the aqueous part of the distillate connects the bottom of the measuring tube and the vertical tube

X -87 Essential Oil Determination Apparatus,
SAFIRE GLASSWARE

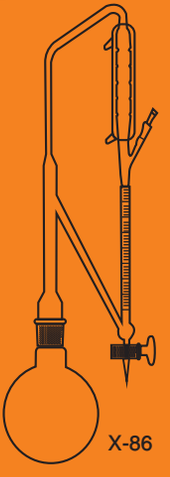
Cat. No	Description
2181	Clevenger - For the determination of volatile oil lighter than water Comprising of 1000 ml flask, oil separatory tube and condesnser

X -88Essential Oil Determination Apparatus,
SAFIRE GLASSWARE

Cat. No	Description
2182	Clevenger - For the determination of volatile oil heavier than water Comprising of 1000 ml flask, oil separatory tube and condesnser



X-85



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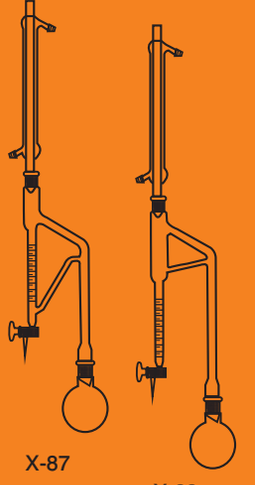


X-87

X-88

X-89

Y-5

SAFIRE Scientific Company

X -89 Soxhlet Extraction Apparatus,
SAFIRE GLASSWARE

Cat. No	Components
2183	Extractor 6 ml, pear shape flask 50 ml, Liebig condenser 200 mm
2184	Extractor 20 ml, F.B. flask 50 ml, Allihn condenser 200 mm
2185	Extractor 40 ml, F.B. flask 100 ml, Alllihn condenser 200 mm
2186	Extractor 60 ml, F.B. flask 150 ml, Allihn condenser 200 mm
2187	Extractor 100 ml, (34/35 socket) F.B. flask 250 ml, Allihn condenser 200 mm (34/35 cone)
2188	Extractor 100 ml, (40/38 Sockter) F.B. flask 250 ml, Allihn condenser 200 mm (40/38 cone)
2189	Extractor 200 ml, F.B. flask 500 ml, Allihn condenser 300 mm
2190	Extractor 250 ml, F.B. flask 500 ml, Allihn condenser 300 mm
2191	Extractor 500 ml, F.B. flask 1000 ml, Allihn condenser 300 mm

Y-5 Extractor Only for Soxhlet Apparatus,
SAFIRE GLASSWARE

Cat. No	Cap. ml	Socket	Cone
2264	60	34/35	24/29
2265	100	34/35	24/29
2266	100	40/38	24/29
2267	200	50/42	24/29
2268	250	50/42	24/29
2269	500	50/42	24/29

X - 90 Micro Extraction Apparatus,
SAFIRE GLASSWARE

Cat. No	Components
2192	Extraction with thimble 3 ml Adapter with hook, Pear shape flask 5 ml, Liebig condenser 0 mm

X -91 Large Size Extraction Apparatus,
SAFIRE GLASSWARE

Cat. No	Components
2180	Extractor with integral 75 mm flange 600 ml, R.B. flask 2000 ml, Double surface condenser 200 mm
2344	Extractor with 100 mm integral flange 1000 ml, R.B. flask 3000 ml, Double surface condenser 200 mm
2194	Extractor with integral 100 mm flange 2000 ml, R.B. flask 5000 ml Double coil condenser 230 mm

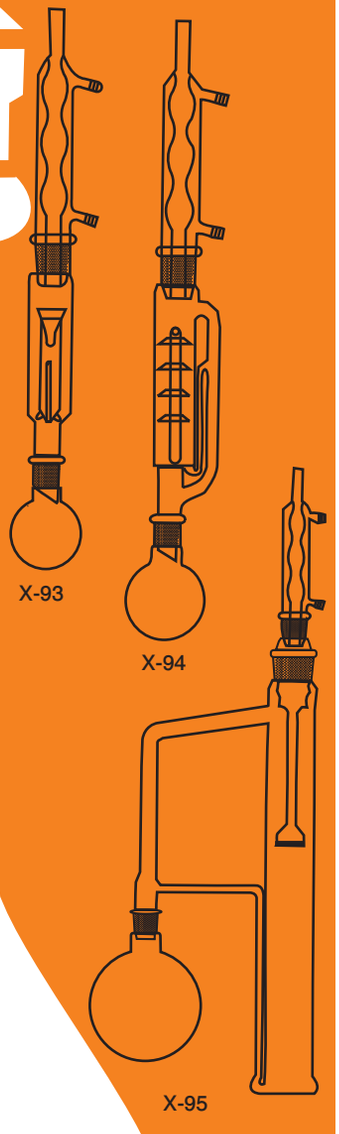
X -92 Jacketed Extraction Apparatus,
SAFIRE GLASSWARE

Cat. No	Description
2195	Extractor with 20 ml, liner 60 ml, R.B. flask 250 ml, Allihn condenser 200 mm
2196	Extractor with 50 ml, liner 100 ml R.B. Flask 250 ml, Allihn condenser 200 mm, Reduction adater
2197	Extractor with 100 ml Liner 200 ml R.B. flask 500 ml, Allihn condenser 200 mm, Reduction adapter

X-91

X-90

X-92



X -93 Downwards Displacement Extraction Apparatus, SAFIRE GLASSWARE

Cat. No.	Components
2198	Extractor 10 ml, inner with plain funnel distributor, R.B. flask 50 ml, Allihn condenser 200 mm

X -94 Downwards Displacement Extraction Apparatus, SAFIRE GLASSWARE

Cat. No.	Components
2199	Extractor 100 ml, Disc baffle distributtor R.B. flask 250 ml Allihn condenser 200 mm

X -95 Downwards Displacement Extraction Apparatus, SAFIRE GLASSWARE

Cat. No.	Components
2200	Extractor 400 ml, Sintered Disc disributor, R.B. flask 500 ml' Allihn condenser 200 mm
2201	Extractor 1000 ml, Sintered Disc disctributor, R.B. Flask 2000 ml Allihn condenser, 200 mm
2202	Extractor 2500 ml, Sintered Disc distributor, R.B. flask 5000 ml Allihn condenser 200 mm

X - 96 Upwards Displacement Extraction Apparatus, SAFIRE GLASSWARE

Cat No	Components
2203	Extractor 8 ml, Inner with plain funnel distributor R.B. Flask 50ml, Allihn Condenser 200 mm

X - 97 Upwards Displacement Extraction Apparatus, SAFIRE GLASSWARE

Cat No	Components
2204	Extractor 100 ml, Disc baffle distributor, R.B. Flask 150 ml Double surface condenser 200 mm

X - 98 Upwards Displacement Extraction Apparatus, SAFIRE GLASSWARE

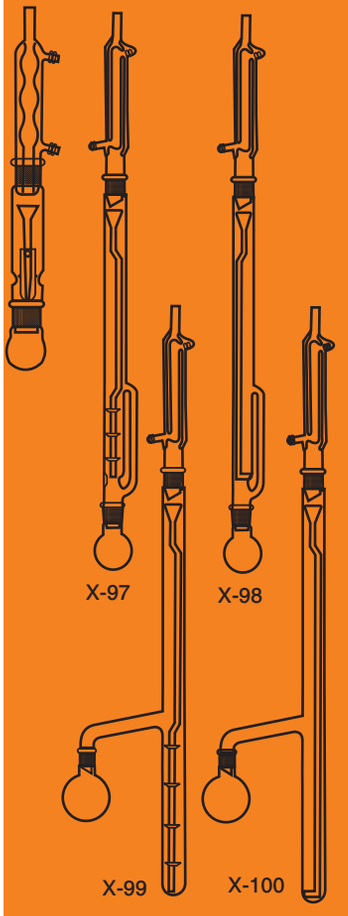
Cat No	Components
2205	Extractor 100 ml, Sintered disc distributor, R.B. Flask 150 ml Double surface condenser 200 mm

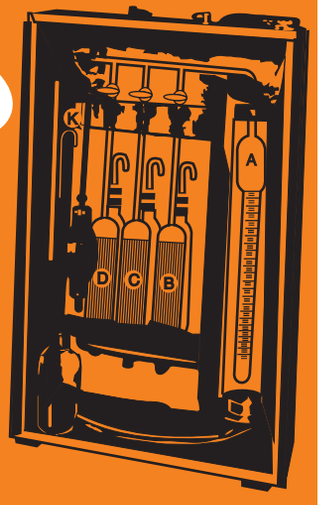
X - 99 Upwards Displacement Extraction Apparatus, SAFIRE GLASSWARE

Cat No	Components
2206	Extractor 200 ml, Disc baffle distributor, R.B. Flask 150 ml Double surface condenser 200 mm
2207	Extractor 500 ml, Disc baffle distributor, R.B. Flask 500 ml Double surface condenser 200 mm

X - 100 Upwards Displacement Extraction Apparatus, SAFIRE GLASSWARE

Cat No	Components
2208	Extractor 200 ml, Sintered disc distributor, R.B. Flask 250 ml Double surface condenser 200 mm
2209	Extractor 500 ml, Sintered disc distributor, R.B. Flask 500 ml Double surface condenser 200 mm





X-101

X -101 Gas Analysis Apparatus, 3 Test, Orsat, SAFIRE GLASSWARE

Cat. No.	Description
2210	For the anallysis of Co_2, Co and O_2 Comprising of levelling bottle, 100 ml, gas burette with outer jacket,three absorption pipettes (two filled with glass tubes and one with copper spiral and glass tubes). 3-test manifold, calcium chloride tube and rubber bellow. In wooden case with sliding doors.

SPARES :

Cat. No.	Description
2211	100 ml gas burette with outer Jacket for 2210
2212	3-test manifold for 2210
2213	Absorption pipette filled with glass tubes for 2210

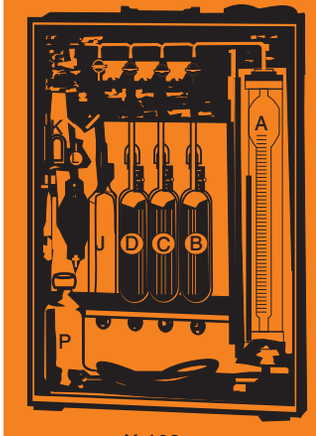
Note :
We do not provide any kind of woking manual for Gas Analysis Apparatus

X - 102 Gas Analysis Apparatus,4-Test, Orsat, SAFIRE GLASSWARE

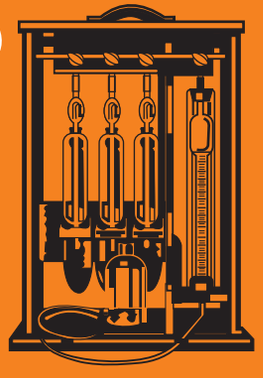
Cat No	Components
2214	Similar to 2210 in general design but with four pipettes and a palladium asbestos tube. This is for the analysis of Co_2, CO, CO_2,H_2, and nitrogen (by difference). Comprising of levelling bottle, 100 ml, gas burette with outer jacket four absorption pipettes (Two filled with glass tubes, one filled with copper sprial and glass tubes and the other plain). Palladium asbostos tube, adjustable spirit lamp, 4-test manifold, calcium chloride tube and rubber bellow.In wooden case with sliding doors.

SPARES :

Cat No	Description
2215	100 ml gas burette with outer jacket for 2214
2216	4-test manifold for 2214
2217	Absorption pipette filled with glass tubes for 2214
2218	Palladium asbestos tube for 2214



X-102



X-103

X-103 Gas Analysis Apparatus, with Bubbling Pipettes, SAFIRE GLASSWARE

Cat. No.	Description
2219	Similar to 2210 in general design but the pipettes are Valveless automatic bubbing type and the manifold is provided with 120° stopcocks. Comprising of levelling bottle, 100 ml gas burette with outer jacket, three bubbling type pipettes, manifold and rubber bellow. In wooden case with sliding doors.

SPARES :

Cat. No.	Description
2220	100 ml gas burette with outer jacket for 2219
2221	3-test manifold with 120° stopcock for 2219
2222	Absorption pipette of automatic valveless bubbling type for 2219

Note :
We do not provide any kind of working manual for Gas Analysis Apparatus

X-104 Gas Burettes, Tutweiler, SAFIRE GLASSWARE

Cat. No.	Description
2223	For determining hydrogen sulphide in illuminating and other gases. the burette has two stopcocks at top and Bottom and is graduated at 100 ml and 110 ml. the volume between the 110 ml mark and the lower stopcock is approximately 5ml. The 10 ml reservoir is graduated in 0.1 ml divisions.
2224	Similar to 2223 but with graduations at 500ml, 520 ml and 540 ml. The volume between 540 ml mark and the lower stopcock is approximately 25ml.

X-104

X-105 Gas Burette, Bunte, SAFIRE GLASSWARE

Cat. No.	Description
2225	This burette has two stopcocks and stoppered cup. The bulb capacity is 55 ml and the burette is graduated 45-0-15ml in 0.2 ml divisions. The stoppered cup is graduated at 20 ml and 25ml.

X-106

X-106 Gas Sampling Tubes, Straight Bore Stopcock, SAFIRE GLASSWARE

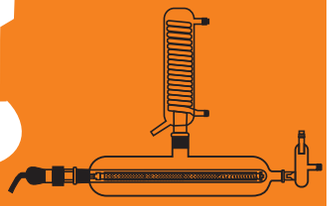
Cat. No.	Cap. ml
2226	125
2227	250
2228	500
2345	1000

X-107Gas Sampling Tubes, 3 way Double Oblique Bore Stopcock, SAFIRE GLASSWARE

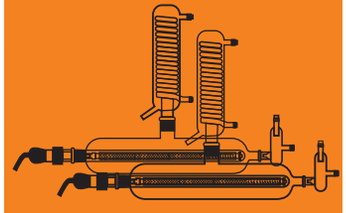
Cat. No.	Cap. ml
2229	125
2230	250
2231	500
2346	1000

X-105

X-107



X-108



X-109

X-108 Water Still, SAFIRE GLASSWARE

Cat. No.	Description
2232	Single distillation water still All glass construction with silica sheathed 1 K.W. heater fitted by PTFE sleeve-Completely interchangeable parts - Capable of producing high quality water with an output of 1.0 to 1.2 litres per hour complete with stand

X-109 Water Still, SAFIRE GLASSWARE

Cat. No.	Description
2233	Double distillation water still All glass construction heaters of 1 K.W. each fitted by PTFE sleeve - Completely inter-changeable parts - Capable of producing extremely pure water with an output of 1.0 to 1.2 litres per hour. complete with stand

SPARES :

Cat. No.	Description
2234	Boiling chamber with B 34, B 29 & B 19 sockets
2235	Condenser with B 34 cone
2236	Constant level device with B 19 cone
2237	Silica sheathed heater with PTFE B 29 cone
2238	Stand

Note :

1. These water stills are to be used as per our Working manual. We do not undertake either erection and demonstration or guarantee the life of heater.
2. Double distillation water still can be used as two single distillation stills by independent connections. When connected to another single distillation still by means of a connecting adapter which is optionally available free of cost, the whole assembly shall be triple distillation water still. Cooling water inlet/outlet and distillate input/output connections needs to be changed for this conversion/additon.

X-110 Re-Distillation Assembly SAFIRE GLASSWARE

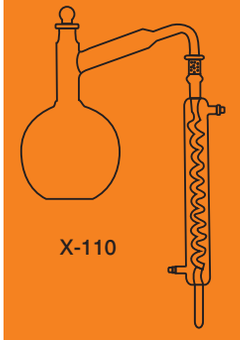
Cat. No.	Components
2239	F.B. flask with a side tube 1000ml, Coil condenser 200 mm, Stopper

X-111 Ammonia Distillation Assembly, SAFIRE GLASSWARE

Cat. No.	Components
2240	Kjeldahl flask 800 ml Stillhead, Coil condenser 200mm

X-112 Mercury Distillation Assembly, Hulett, SAFIRE GLASSWARE

Cat. No.	Components
2241	Distilling flask 500 ml Stopcock - controlled air bleeding tube, Air condenser 500 mm, Liebig condenser 200 mm, Receiver adapter with vacuum, Connection Receiving bottle 500ml



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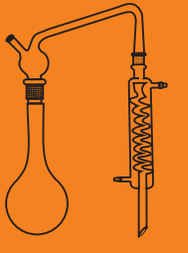
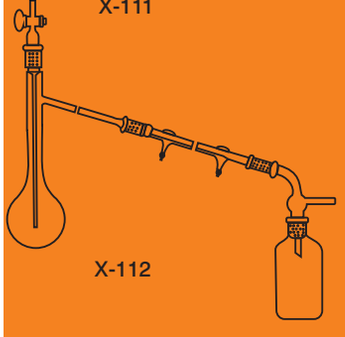


X-111



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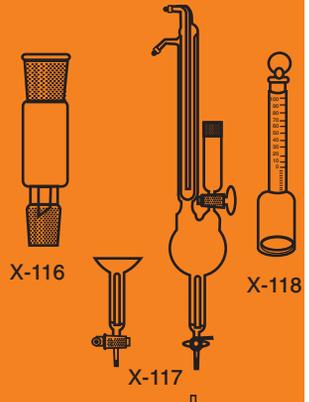
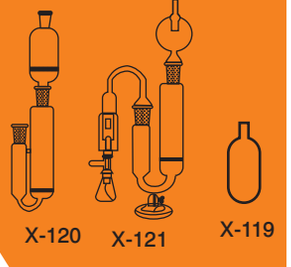




X-113 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2242	Aniline point U-tube

X-114 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2243	Sample container and Cover

X-115 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2244	Chimney for special lamp

X-116 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2245	Extractor

X-117 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2246	Tel apparatus with intermediate joints

X-118 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2247	Sulphonation flask

X-119 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2248	Coking bulb

X-120 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2249	Primary absorber
2250	Secondary absorber

X-120 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2251	Sulphur apparatus

X-122 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2252	Burner for aromatic samples

X-123 Petroleum Testing Apparatus, SAFIRE GLASSWARE

Cat. No.	Description
2253	Flask for aromatic samples

Y-1 Round Bottom Flasks, Four Necks, All Necks Parallel, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Centre Socket	Side Socket
2254	250	24/29	19/26
2255	500	24/29	19/26
2256	1000	24/29	19/26
2257	2000	24/29	19/26

Y-2 Flat Bottom Flasks, Four Necks, All Necks Parallel, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Centre Socket	Side Socket
2258	250	24/29	19/26
2259	500	24/29	19/26
2260	1000	24/29	19/26
2261	2000	24/29	19/26

Y-9

Y-10

Y-9, Micro Filter Holder Assembly, with Rubber Cork, SAFIRE GLASSWARE

Cat. No.	Components
2285	Funnel for 13 & 25 size filter Base with sintered disc for 13 size filter Spring Clamp, 13 & 25 size 100 ml Buchner Flask with cork
2286	Funnel for 13 & 25 size filter Base with sintered disc for 13 size filter Spring Clamp, 13 & 25 size 100 ml Buchner Flask with cork
2287	Funnel for 47 size filter Base with sintered disc for 47 size filter Spring Clamp, 47 size 1000 ml Buchner Flask with cork

Y-10 Micro filter Holder assembly, with ground glass joint, SAFIRE GLASSWARE

Cat. No.	Components
2288	Funnel for 47 size filter Base with sintered disc & 34/35 socket in the stem for 47 size filter Spring Clamp, 47 size 1000 ml Buchner flask with 34/35 cone

SPARES:

Cat No.	
2289	Funnel for 13 & 25 size filter
2290	Funnel for 47 size filter
2291	Base with sintered disc for 13size filter
2292	Base with sintered disc for 25size filter
2293	Base with sintered disc for 47size filter
2294	Spring clamp 13 & 25 size
2296	Spring clamp 47 size
2297	Buchner flask, Plain neck, 100 ml with Cork
2298	buchner flask, Plain neck, 1000 ml with Cork
2299	Base with sintered disc for 47 size filter and 34/35 Socket in the stem
2300	Buchner flask,with 34/35 cone, 1000 ml

Note:
Filter are not supplied with these assemblies

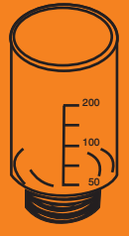
S-67 Screw filter assembly with interchangeable filter discs and detachable Funnel and Stem, SAFIRE GLASSWARE

Cat. No.	Cap
2398	30 ml Comprising Funnel, P.P. Stem, 2 x Seals, 4 x Discs of Porosities 1 to 4
2399	250 ml Comprising Funnel P.P. Stem, 2 x Seals, 4 x Discs of Porosities 1 to 4
2400	1000 ml Comprising Funnel P.P. Stem, 2 x Seals, 4 x Discs of Porosities 1 to 4

S-67

SPARES :

Cat. No.	
2401	Funnel for 30 ml screw filter
2402	P.P. Stem for 30 ml screw filter
2403	2 x seals for 30 ml screw filter
2404	Por. 1 sintered disc for 30 ml screw filter
2405	Por. 2 sintered disc for 30 ml screw filter
2406	Por. 3 sintered disc for 30 ml screw filter
2407	Por. 4 sintered disc for 30 ml screw filter
2408	Funnel for 250 ml screw filter
2409	P.P. stem for 250 ml screw filter
2411	2 x seals for 250 ml screw filter
2411	Por.1 sintered disc for 250 screw filter
2412	Por.2 sintered disc for 250ml screw filter
2413	Por.3 sintered disc for 250 ml screw filter
2414	Por.4 sintered disc for 250ml screw filter
2415	Funnel for 1000 ml screw filter
2416	P.P. Stem for 1000 ml screw filter
2417	2 x seals for 1000 ml screw filter
2418	Por.1 sintered disc for 1000ml screw filter
2419	Por.2 sintered disc for 1000ml screw filter
2420	Por.3 sintered disc for 1000ml screw filter
2421	Por.4 sintered disc for 1000ml screw filter



Y- 12

Y- 13

Y- 23

Y-12 Tubes, Culture, Round Bottom, with Screw Cap and Liner, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Height x Dia. mm
2305	5	75 x 16
2306	10	125 x 16
2307	30	100 x 25

Y-13 Tubes, Culture, Flat Bottom, with Screw Cap and Rubber Liner, Ideal replacement of Bijou Bottles, Mc Cartney Bottles and Universal Bottles, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Height x Dia. mm
2309	5	50 X 16
2310	15	60 X 25
2311	30	100 X 25

Y-23 Conical Vials,Micro with Screw Cap and Penatrable Septum Liner/ Closure, SAFIRE GLASSWARE

Cat. No.	Cap.ml
2392	0.1
2393	0.2
2394	1.0
2395	2.0
2396	3.0
2397	5.0

Note : Screw cap with silicon rubber liner or PTFE Faced silicon rubber liner are available on request.

Y-14 Dishes, Flat Bottom, with Ground Cover , SAFIRE GLASSWARE

The dish rim and cover are ground to effect a liquid seal when silicone lubricant is coated.

Cat. No.	Dish id mm	Dish depth mm
2369	30	15
2370	40	15
2371	50	15

Y- 14

Y-15 Flasks, Nephelo Culture, with Screw Cap and Sidetubes, SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Centre Screw Cap	Side Screw Cap
2372	250	36	18
2373	500	36	18

Y- 15

Y-16 Flasks, Tissue Culture, with angle neck Carrel, SAFIRE GLASSWARE

Cat. No.	Ht. x Dia. mm
2374	15 x 35
2375	15 x 55

Y- 16

Y-17 Flasks, Tissue Culture, with long horizontal neck and dam, Porter, SAFIRE GLASSWARE

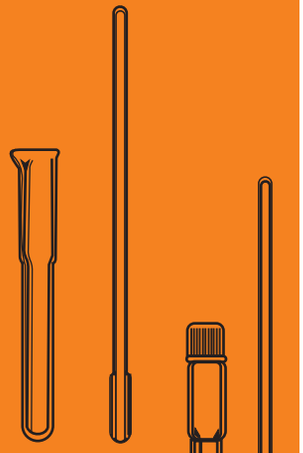
Cat. No.	Ht. x Dia. mm
2376	15 x 35
2377	15 x 55

Y- 17

Y-18 Flasks, Culture, Trypsinizing with four indentations, SAFIRE GLASSWARE

Cat. No.	Cap.ml
2378	100
2379	250

Y- 18



Y-19 Tissue Grinder, Cylindrical i/c PTFE Pestle with SS rod, Unground precision bore body, SAFIRE GLASSWARE

Cat. No.	Size
2380	10 mm
2381	16 mm
2382	22 mm

Y-20 Tissue Grinder, Cylindrical with Screw Cap, i/c PTFE Pestel with SS rod, Unground precision bore body, SAFIRE GLASSWARE

Cat. No.	Size
2383	10 mm
2384	16 mm
2385	22 mm

Y-21 Tissue Grinder, Conical, i/c PTFE Pestle with SS rod, Unground precision bore body, SAFIRE GLASSWARE

Cat. No.	Size
2386	10 mm
2387	16 mm
2388	22 mm

Y-22 Tissue Grinder, Conical with Screw Cap, i/c PTFE Pestel with SS rod, Unground precision bore body, SAFIRE GLASSWARE

Cat. No.	Size
2389	10 mm
2390	16 mm
2391	22 mm

SAFIRE Scientific Company

X-124 Impinger, Inner fitting with drawn out tip SAFIRE GLASSWARE

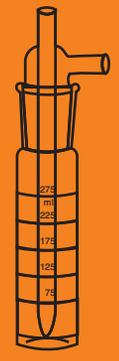
Cat. No.	Cylinder Cap.ml	Joint Size	Graduate
2422	35	24/29	5 to 30 ml
2423	500	45/50	at 100, 250 & 500 ml

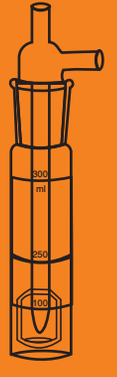
X-125 Impinger, Inner fitting with Porosity 3 Sintered disc fused, SAFIRE GLASSWARE

Cat. No.	Cylinder Cap.ml	Joint Size	Graduate
2424	35	24/29	5 to 30 ml
2425	500	45/50	at 100, 250 & 500 ml

X-126 Impinger, Inner fitting with a glass plate fused at 5 mm below the tip, SAFIRE GLASSWARE

Cat. No.	Cylinder Cap.ml	Joint Size	Graduate
2426	35	24/29	5 to 30 ml
2427	500	45/50	at 100, 250 & 500 ml





SAFIRE
Scientific Company

Amberware

AM-1

AM-1 Reagent Bottles, AMBER, Narrow Neck, Stoppered, SAFIRE GLASSWARE

Cat No.	Cap. ml.	Joint
3001	30	14/15
3002	60	14/15
3003	125	19/20

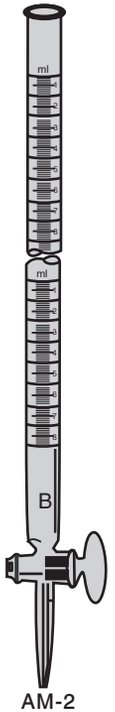
AM-2 Burettes, Single Bore, Glasskey Stopcock AMBER, Glass B, SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Sub.Div ml.	Tol ± ml.
3004	25	0.10	0.10
3005	50	0.10	0.10

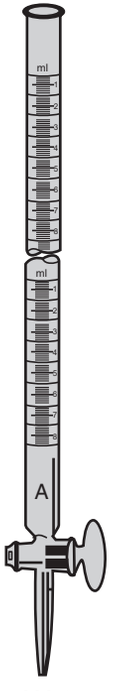
AM-3 Burettes, Single Bore, Glasskey Stopcock AMBER, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

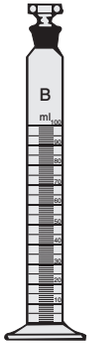
Cat. No.	Cap. ml.	Sub.Div ml.	Tol ± ml.
3006	25	0.10	0.05
3007	50	0.10	0.05



AM-2



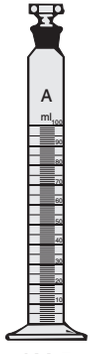
AM-3



AM-4

AM-4 Measuring Cylinders, Stoppered AMBER, Class B, SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Sub.Div	Tol ± ml.
3008	5	0.1	0.1
3009	10	0.2	0.2
3010	25	0.5	0.5
3011	50	1.0	1.0
3012	100	1.0	1.0
3013	250	2.0	2.0
3014	500	5.0	5.0
3015	1000	10.0	10.0



AM-5

AM-5 Measuring Cylinders, Stoppered, AMBER, Class A, SAFIRE GLASSWARE

Short line graduations and one-point works certificate

Cat. No.	Cap. ml.	Sub.Div	Tol ± ml.
3016	5	0.1	0.05
3017	10	0.2	0.10
3018	25	0.5	0.25
3019	50	1.0	0.50
3020	100	1.0	0.50
3021	250	2.0	1.00
3022	500	5.0	2.50
3023	1000	10.0	5.00

AM-6 Measuring Cylinders, With Spout, AMBER, Class B, SAFIRE GLASSWARE

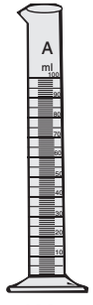
Cat. No.	Cap. ml.	Sub.Div ml.	Tol ± ml.
3024	5	0.1	0.1
3025	10	0.2	0.2
3026	25	0.5	0.5
3027	50	1.0	1.0
3028	100	1.0	1.0
3029	250	2.0	2.0
3030	500	5.0	5.0
3031	1000	10.0	10.0

AM-6

AM-7 Measuring Cylinders, with Spout, AMBER, Class A SAFIRE GLASSWARE

Short line graduations and one-point works certificate

Cat. No.	Cap. ml.	Sub.Div ml.	Tol ± ml.
3032	5	0.1	0.05
3033	10	0.2	0.10
3034	25	0.5	0.25
3035	50	1.0	0.50
3036	100	1.0	0.50
3037	250	2.0	1.00
3038	500	5.0	2.50
3039	1000	10.0	5.00



AM-7

AM-8

AM-8

AM-8 Volumetric Flasks, AMBER, Class B
SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Stopper Size	Tol ± ml.
3040	5	10/15	0.05
3041	10	10/15	0.05
3042	20	10/15	0.08
3043	25	10/15	0.08
3044	50	10/15	0.12
3045	100	14/15	0.2
3046	200	14/15	0.3
3047	250	14/15	0.3
3048	500	19/20	0.5

AM-9 Volumetric Flasks, AMBER, Class A with Works Certificate, SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Stopper Size	Tol ± ml.
3049	5	10/15	0.025
3050	10	10/15	0.025
3051	20	10/15	0.04
3052	25	10/15	0.04
3053	50	10/15	0.06
3054	100	14/15	0.10
3055	200	14/15	0.15
3056	250	14/15	0.15
3057	500	19/20	0.25

AM-10 Volumetric Pipettes One Mark, AMBER, Class B SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Tol ± ml.
3058	5	0.03
3039	10	0.04
3060	20	0.06
3061	25	0.06

AM-11 Volumetric Pipettes One Mark, AMBER, Class A With Works Certificate SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Tol ± ml.
3062	5	0.015
3063	10	0.02
3064	20	0.03
3065	25	0.03

AM-10

AM-11

AM-12 Measuring Pipettes, Zero Top At Top, AMBER, Class B SAFIRE GLASSWARE. (MOHR TYPE)

Cat. No.	Cap. ml.	Sub.Div ml	Tol ± ml.
3066	1	0.01	0.01
3067	2	0.02	0.02
3068	5	0.05	0.05
3069	10	0.1	0.1
3070	25	0.2	0.2

AM-13 Measuring Pipettes, Zero Top At Top, AMBER, Class A SAFIRE GLASSWARE. (MOHR TYPE)

Short line graduations and one-point works certificate

Cat. No.	Cap. ml.	Sub.Div ml	Tol ± ml.
3071	1	0.01	0.006
3072	2	0.02	0.1
3073	5	0.05	0.03
3074	10	0.1	0.05
3075	25	0.2	0.1

AM-12

AM-13

AM-14

AM-14 Test Tubess, AMBER, Stoppered,
SAFIRE GLASSWARE

Cat. No.	Cap. ml.	Ht. x Dia mm	Joint
3076	10	150 x 14	10/15
3077	15	150 x 16	14/15
3078	20	150 x 18	14/15
3079	30	150 x 24	19/20
3080	40	150 x 28	24/25
3081	50	175 x 28	24/25

RG-01

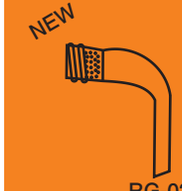
RG-01 Multiple Adapters, Two Necks Parallel with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
3100	14/23	14/23
3101	24/29	24/29

RG-02

RG-02 Cone Adapters, Straight Connection with Stopcock with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cone
3102	14/23
3103	24/29



RG-03

RG-03 Receiver Adapters, Plain Bend, Short with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cone
3104	14/23
3105	24/29

RG-04

RG-04 Receivers Adapters, Plain Bend, Socket to Cone with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
3106	14/23	14/23
3107	24/29	24/29

RG-05

RG -05 Receivers Adapters, Bend, with vent Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
3108	14/23	14/23
3109	24/29	24/29

Adapters
Rotagrip Joints

RG-06

RG-06 Receiver Adapters, Bend, with Vacuum Connection with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
3110	14/23	14/23
3111	24/29	24/29

RG-07

RG-07 Recovery Bend, Sloping with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Socket	Cone
3112	14/23	14/23
3113	24/29	14/23

RG-08

RG-08 Plain Stillheads, Sloping with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone	Socket
3114	14/23	14/23	14/23
3115	24/29	24/29	14/23

RG-09

RG-09 Claisen Heads, Sloping with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone	Socket
3116	14/23	14/23	14/23
3117	24/29	24/29	14/23

RG-10

RG-10 Splash Heads, Sloping with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Flask Cone	Cond. Cone
3118	24/29	24/29

RG-11

RG-11 Thermometre Pocket, Closed End with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cone	Stem Length mm
3119	14/23	42

NEW

RG-12

NEW

RG-13

NEW

RG-14

RG-12 Condensers, Liebig with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Joints	Length mm
3120	14/23	150
3121	24/29	300

RG-13 Condenser, Coiled Distillate (GRAHAM) with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Joints	Length mm
3122	24/29	300

RG-14 Condenser, Allihn with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Joints	Length mm
3123	24/29	300

NEW

RG-15

RG-15 Round Bottom Flasks, Single Neck with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Socket
3124	50	14/23
3125	100	14/23
3126	250	24/29
3127	500	24/29
3128	1000	24/29

NEW

RG-16

R G -16 Round Bottom Flasks Two, Neck, CentreNeck and one Angled Side Neck with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Centre Socket	Side Socket
3129	100	24/29	14/23
3130	250	24/29	14/23
3131	500	24/29	14/23
3132	1000	24/29	14/23

NEW

RG-17

RG-17 Round Bottom Flasks, Three Neck, Centre Neck and one Angled Side Neck with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap. ml	Centre Socket	Side Socket
3133	100	14/23	14/23
3134	250	24/29	14/23
3135	500	24/29	14/23
3136	1000	24/29	14/23

NEW

RG-18

NEW

RG-19

NEW

RG-20

NEW

RG-21

RG-18 Kjeldahl Flasks, Long Neck with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Socket
3137	100	24/29
3138	300	24/29
3139	500	24/29
3140	800	24/29

RG-19 Conical Flasks, Erlenmeyer with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Socket
3141	25	14/23
3142	50	14/23
3143	50	24/29
3144	100	24/29

RG-20 Pear Shaped Flasks with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Socket
3145	25	14/23
3146	50	14/23
3147	100	14/23
3148	100	24/29

RG-21 Dimple Flasks with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Socket
3149	25	14/23
3150	50	14/23
3151	100	14/23
3152	100	24/29

RG-22 Separating Funnels, Cylindrical with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Socket	Cone
3153	50	14/23	14/23
3154	100	14/23	14/23
3155	250	24/29	24/29

RG-23 Pressure equalising Funnels, Cylindrical with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cap.ml	Socket	Cone
3156	50	14/23	14/23
3157	100	14/23	14/23
3158	250	24/29	24/29

RG-24 Stoppers with Rotagrip Joints, SAFIRE GLASSWARE

Cat. No.	Cone
3159	14/23
3160	24/29

NEW

RG-22

NEW

RG-23

NEW

RG-24

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