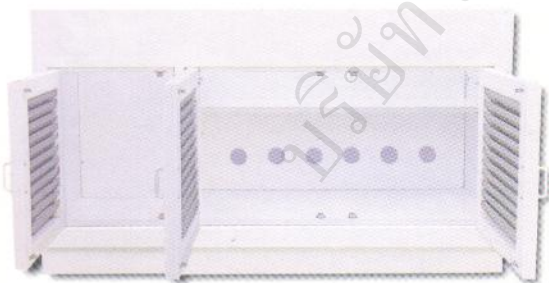
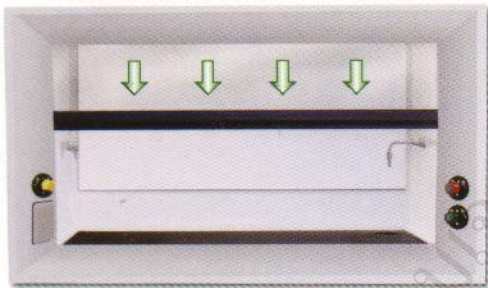


SUPER FLOW

FUME CUPBOARD



Fiberglass Type



Metal Type

Structure

The fume cupboards are manufactured from fiber glass reinforced unsaturated polyester resin (F.R.P.) fire retardant, corrosion resistant, with no metal contains in the structure. The frontage of fume cupboard is aerodynamically shaped to ensure an even flow of air in the chamber. It has large radius corners. The extraction rate from fume cupboard is depend on the position of sash. The storage part is designed to support the fume cupboard. The storage unit is manufactured from F.R.P. Completed with slated door, acrylic baffle (for Fix point automatic by pass 1:10 approximate and two seperate parts. The first part is designed for storage LPG tank and the other designed to be the adjustalbe shelf for chemical storage. The back of storage part can be removed for access to any service. The fume cupboard also available with Epoxy Coated Steel exterior upon request.

Chamber

The one piece moulded chamber has excellent aerodynamically shaped roof which is contoured towards a rectangular extraction outlet. The interior of chamber is fitted with aspecially designed back baffle. It is removalbe for cleaning purpose.

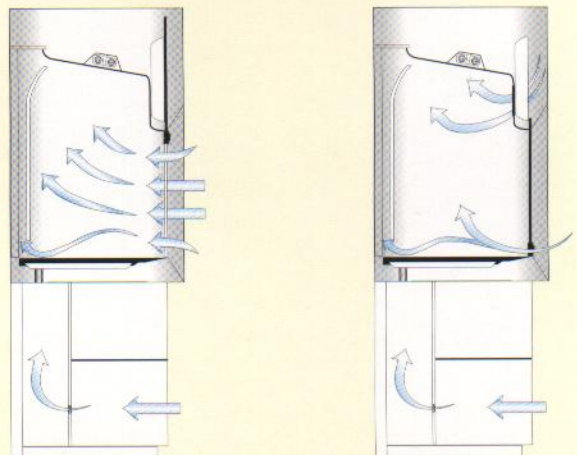
Floor

Two levels, Top for working area, Lower for drainage.

Sash

The counter-balanced sash windows are of the vertically sliding sash type supported on chemical resistant cable and running bearing pulleys which are bullet embedded in rigid nylon. Sash window is 6 mm. safety glass fixed in F.R.P. frame, polyurethane hankles.

Air Flow Diagram



Sash fully raised. All extraction through sash opening. By-Pass closed.

Sash lowered. Velocity was controlled through sash opening and by-pass. By-pass open.

Acid Trapping System

The acid trapping system is designed principle to handle acid fumes in pipe line. The interior of system has transfer 2 holes for air turbulent protection. The air movement control is reverse air transparent type.

Pipeline System

The pipe line are manufactured from F.R.P. smooth exterior. The pipe lines are connected by fiber glass resin for protection from the distribution of fume. Pipelines have 135° elbow at the end of pipe line for bird and rain protection.

Workbeds

The specially designed removable workbed is very useful. It gives amaximum available working surface and easily to clean-up or even changing in the future. The work-top can be removed to reveal bowl flow fitted with wasted outlet.

Timer

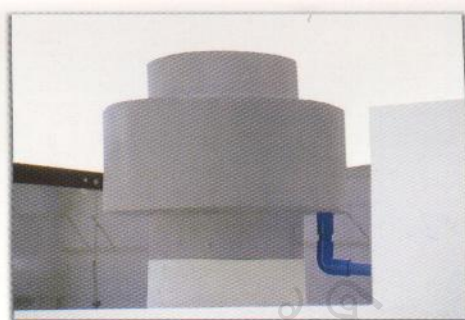
24 hours timer with selectable switch 10-15 minute sensitivity for blower working ability to showed the present time.

Testing

Air velocity is checked by **ANEMOMETER** at 100 FPM. while the door opening at 30 cm. height from the floor.

Warranty

12 months, Lifetime service



Superflow Specification

MODEL	TOP (w x D x H) (cm.)	STORAGE (w x D x H) (cm.)	WORKING AREA (w x D x H) (cm.)	OUTLET PIPE Ø (Inch.)
<i>Super Flow 100</i>	100 x 90 x 150	100 x 80 x 85	75 x 70	8
<i>Super Flow 120</i>	120 x 90 x 150	120 x 80 x 85	95 x 70	8
<i>Super Flow 150</i>	150 x 90 x 150	150 x 80 x 85	125 x 70	10
<i>Super Flow 180</i>	180 x 90 x 150	180 x 80 x 85	155 x 70	10
<i>Super Flow 200</i>	200 x 90 x 150	200 x 80 x 85	175 x 70	10

Electricity

Main switch breaker 30 AMP.

Blower switch (visual light) with magnetic and overload for motor damage protection.

Fluorescent switch (visual light) with 2 sets of 18 watts fluorescent lamp covered with safety glass.

Electrical service (Double plugs type) with 2 or 3 legs plug, 10 AMP.

SCRUBBER

The elimination of acid-base fume by water is the easiest way to make the environment better. The fumes in the laboratory must be eliminated before emission through the air. In case of using large amount of acid-base for example, Digestion; acid-base fumes have to be treated before emitted through the environment. Treating process is passing these fumes into the pack-media tank in order to increasing the contact time between the fumes and water spray. Next, Passing its through 5 micron filter to separate water spray from treated fume (cleaned-air). Finally, The remain cleaned-air is emitted through the environment.

SCRUBBER SPECIFICATION

MODEL	DIMENSION (WxHxD)	SUPERFLOW FUME HOOD SIZE	P.P.M*
SCB 120	120 x 120 x 75 cm.	120 / 150	1,000
SCB 150	150 x 120 x 75 cm.	150 / 180	1,200
SCB 180	180 x 120 x 75 cm.	200	1,500

P.P.M* = Polypropylene Pack Media

