

FC-20 FUME CUPBOARD

- a compact bench mounted fume cupboard for general laboratory use -



FUME  CARE

FC RANGE BENCHTOP FUME CUPBOARD

A standard range available in a wide selection of sizes suitable for a variety of professional laboratory applications. All cabinets include an electronic airflow display, LED lighting, cable entry point, spillage tray and pre-filter(s). The ductless construction allows for easy installation and set up.



Harmful fumes pass through the units filters, re-circulating clean air back into the laboratory.



There is no need for expensive ducting to be installed due to the units recirculatory airflow.



Clear Acrylic panels allow for tri-directional viewing.



The safety alarm will alert the operator if face velocity falls below 0.3 M/Sec.



Its ductless construction allows for the unit to be easily moved.



Cable pass through ports allow electrical cords to enter the work zone.



Carbon and HEPA filters are available to suit most laboratory applications.



Internal lighting illuminates the work surface.



Electronic monitoring systems are available as an option.

STANDARD FUME CUPBOARD SPECIFICATIONS



FC-10



FC-15



FC-20



FC-25



FC-30

Catalogue No	FC-10	FC-15	FC-20	FC-25	FC-30
Dimensions (WxDxH), mm	750 x 700 x 1210	1000 x 700 x 1210	1200 x 700 x 1210	1500 x 700 x 1210	1750 x 700 x 1210
Working Base Area, mm	740 x 680	990 x 680	1190 x 680	1490 x 680	1740 x 680
Main Filter 12kg (qty)	1	1	2	2	2
Safety Filter * 5kg (qty)	1	1	2	2	2
Airflow (m3/hr)	246	246	500	500	500
Prefilter** (efficiencies superior to 99.6%)	1	1	2	2	2
Noise (dBA)	<55	<55	<58	<58	<58
Face Velocity (m3/sec)	>0.5				
Electrical Supply	Single Phase, 230v, 50Hz				
Switches	Mains ON/OFF				
Monitoring	Low Airflow Indicator				
Lighting	2 x 15 LED Lamps				
Fan	Low Noise DC Centrifugal				
Construction	Epoxy coated mild steel frame and head unit. Clear Acrylic Panels. Hinged front screen.				

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ACCESSORIES

Accessory Description	FC-10 Code	FC-15 Code	FC-20 Code	FC-25 Code	FC-30 Code
Box Section Support Stand. Ideal for wheelchair access. Lockable Casters	FC-10-0 Stand	FC-15-0 Stand	FC-20-0 Stand	FC-25-0 Stand	FC-30-0 Stand
Enclosed Support Stand with Storage facility	FC-10-C Stand	FC-15-C Stand	FC-20-C Stand	FC-25-C Stand	FC-30-C Stand
Electronic Monitoring System	EMS-250				
Pack of 6 Prefilters *	FCM-PRF				
Tap (Cold Water), Outlet & Drip Cup**	SA-TODC				
Double Switch Socket Outlet fixed to outside or stand face	SA-DSSO				
Gas Service (Valve/Outlet) **	SA-GAS				

*Prefilters are designed to remove particles from the air-stream before going through the Main Filter. They are required on all Fume Filtration Units. Prefilter(s) comes supplied with these units.

**Where Gas or Water services are ordered then a separate installation fee will be incurred.

Please supply an installation address and access information to receive a cabinet installation quotation



BASIC CONTROL

The Electronic Airflow Alarm displays the airflow in Metres per second and has an low airflow audible alarm.



ENHANCED

The Electronic Monitoring Systems offers airflow display, filter condition alarm, filter information and service date.

Basic Controls come as standard on all models. Enhanced Systems can be specified as an upgrade at the time of ordering.

FILTERS

Main Filters are required in each Fume Cupboard. Backup/Safety Filters are optional. Prefilters come supplied. Quantities to order: 1 x Filter (FC-10 and FC-15). 2 x Filters (FC-20, FC-25 and FC-30)

Filter Type	GP	FOR	ACI	ETH	SUL	AMM	CYN	ACR	ACM	HEPA	Custom*
Safety Filter No.	FCS-001	FCS-013	FCS-015	FCS-018	FCS-016	FCS-012	FCS-017	FCS-002	FCS-003	FCS-030	FCS-110
Main Filter No.	FCM-001	FCM-013	FCM-015	FCM-018	FCM-016	FCM-012	FCM-017	FCM-002	FCM-003	FCM-030	FCM-110

*Maximum mix of 2 carbons are available on this filter type

Important Notice: Correct filter selection is vital to ensure operator protection. When ordering, please supply details of the contaminants to be filtered and in what volumes to enable us to ensure the correct filter is supplied for your application requirements. To select the filter type suitable for your application, please refer to the chart above:

Although Filtration units are suitable for most laboratory applications, it should be noted that they are not recommended for use where extremely large quantities of contaminants are produced, such as acid digestion or evaporation of solvents to dryness. Nor are they advised where very highlytoxic substances are in use or unknown reactions are carried out.

* Poorly adsorbed by all filters and therefore should only be used in small quantities. Their exhaust concentration will however be considerably lower than the input concentration due to retardation of the filter matrix (chromatography effect)

UK DESIGN AND MANUFACTURE

Designed and built in our Merseyside ISO 9001 accredited facility.



CONTACT OPIRA NOW
1300 157 969
SOLUTIONS@OPIRA.COM.AU

