

S@FEHOOD™ Series Plug&Work FUME CUPBOARDS:

The new generation of ductless fume hoods for personal and environmental protection

Technical Specifications

- **Maximum energy saving on laboratory air conditioning**
- **Smooth operating sliding sash glass window offers easy access to the work area.**
- **Extra large activated carbon filters with optimised granularity for the highest chemical specificity**
- **Microprocessor controlled airflow**
- **Large choice of specific application activated carbon filters**

Safehood™ is the new Bioair fume cupboard with activated carbon filters for the removal of a variety of toxic fumes, gases or vapours from the exhausted air.

Working with volatile toxic substances is not a problem when using a Safehood ductless work station. No cumbersome installation needed and minimum space requirements makes Safehood the easiest way to solve your safety problems when handling toxic chemicals. The quality and extensive range of Bioair activated carbon filters will help you to find the right solution for all your safety requirements.

The high quality of the components and the accurate design ensures years of trouble free operation.

Safehood P&P main applications are for the protection of operator and environment when:

Handling chemical substances in the laboratory.

Sample preparation for anathomo-pathology.

Rigid or flexible endoscopes decontamination.

Handling of adhesives and solvents.

Handling of airborne powders and chemical aerosols.

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This Plug&Work ready to use ductless fume cupboard provides the maximum level of operator and environmental protection from chemical contaminants, Without exhaust ducting. Safehood provides:

Maximum energy saving on laboratory air conditioning (no heated or cooled air will require venting from you lab)

No influence on the balancing and control of the air pressure levels of your laboratory.

Expensive ductworks in not required.

The high quality activated carbon filters provide both maximum efficiency to the specific contaminants, with the longest life span.

Main specifications

COMFORTABLE

Smooth operating sliding sash glass window offers easy access to the work area.

The glass side walls offer excellent visibility and ease of cleaning.

Choice of polypropylene or Stainless Steel work surface with liquid containment.

Integral fluorescent lighting.

Extremely low noise level induction fan.

SAFE

Manufactured in accordance with BS7258 and BS7989 and in conformity with COSHH requirements and guidelines and AFNOR NFX158211, ETRAF type 1 and 2.

Highest containment factor provided by the most sophisticated microprocessor controlled air speed



regulation that maintains barrier average velocity of 0,5 M/sec, which is independent from the sliding sash.

Visual and acoustic alarm for low barrier speed window position.

All electrical components are isolated from the air flow.

Optional dual exhaust safety filter (4Kg).

Safety slot(s) on the front panel for visual filter(s) identification (in according with the new European safety regulation).

EFFICIENT

Extra large activated carbon filters with optimised granularity for the highest chemical specificity and efficiency. Maximum weight (12kg),maximum residence time.(110mm height).

Large choice of specific application filters.

Front window aerodynamically designed to ensure minimum turbulence whilst providing maximum containment

Reduced speed function for standby application

USER-FRIENDLY

Ready to use: Just place the cabinet on a bench or on the optional support stand and plug into a standard domestic mains socket .No need for calibration or expensive ductworks.

FCM :this unique Filter Clamping Mechanism provides the highest air tightness between filters and frames, together with a simple filter removal procedure.

Prefilters provided as standard, easily removable from inside of the cabinet providing the highest operator safety.

TECHNICAL SPECIFICATIONS

MODEL	75	120	165
Airflow Data			
Treated air volume (M3/h)	300	550	800
Average front barrier speed (M/sec)	>0,4 (set point 0,50 m/s)		
Electrical data			
Voltage (V) Frequency (Hz)	230 V 50 Hz monofaze		
Power (W)	420	800	1175
Lightning (Lux)	>400		
Control Panel	Soft-touch control panel with fan on-off switch;		
alarm mute, separate main switch			
Functions and alarms	Continuous front barrier average speed display;display in M/sec or fmp;alarm LEDs for fan(s),air flow, front window position,filter efficiency.		
Filters			
Induction Fan(s) (qty./W)	1/375 W 2	2/375 W 3	3/375 W
Main filter 12 kg (qty.)	1	2	3
Exhaust safety filter 4kg(qty.)	1	2	3
Prefilter (qty.)	1	2	3
Construction			
Main body	Epoxy painted cold rolled steel		
Lateral windows	Safety glass		
Working surface (optional)			
Sizes	SS AISI 304 or Polypropylene (not included)		
Overall (WxDxH)mm	750x720x1200	1200x720x1200	1650x720x1200
Working chamber dim.(WxDxH)mm	550x550x600	1000x550x600	1450x550x600

Order Information

Code	Description
FS 20000	Safehood 75
FS 10000	Safehood 120
FS 30000	Safehood 165

Options	
AS44000	Safehood 75 support stand
AS43000	Safehood 120 support stand
AS45000	Safehood 165 support stand
AZ90001	Polypropylene work surface for Safehood 75
AZ90101	Polypropylene work surface for Safehood 120
AZ90201	Polypropylene work surface for Safehood 165
AZ90000	Stainless Steel work surface for Safehood 75
AZ90100	Stainless Steel work surface for Safehood 120
AZ90200	Stainless Steel work surface for Safehood 165

SELECTION OF MOST COMMONLY USED ACTIVATED CARBON FILTERS

Main Contaminant	General purpose (GP)	Aldehydes	Ammonia
	Aromatic and Aliphatic	Formaldehyde,	Ammonia, amines or
	Hydrocarbons, solvents,	Gutaraldehyde,	pure alkaline substances.
	organic vapours,	alone or in association	
	ketones, alcohols, aldehydes,	with other substances	
	sulphur components,	compatible with	
	nitrogen components	the GP FILTER.	

Main Filter* Kg 12/ea	cod. CP31000	cod. CP32000	cod. CP33000	cod. CP38000 (HEPA filter)	cod. CP30100 (set 6 pz)
Dual exh. Safety Filter* Kg 4/ea	cod. CP41000	cod. CP42000	cod. CP43000	cod. CP48000 (HEPA filter)	--

Please enquire about the many other types available, for numerous applications including SO₂, H₂SO₄, HCl, H₂S, Mercaptans, basic or acid odours, Putrescine, etc.

*Please order 1/ea for Safehood 75, 2/ea for Safehood 120 and 3/ea for Safehood 165. All filters must be of the same type.

Please for further information contact:

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Euroclone S.p.A. has a Quality System certified Dasa Raegister spa in compliance with UNI EN ISO 9001 (2000)