

## DATASHEET

### Safehood – Ductless fume hoods

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 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.

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.

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, ceramic or Stainless Steel work surface with liquid containment.  
Integral fluorescent lighting.  
Extremely low noise level induction fan.

### SAFE

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

## Technical features SAFEHOOD

	75	120
<b>AIRFLOW Data</b>		
Treated air volume (M3/h)	300	550
Average front barrier speed (M/sec)	>0,4 ( set point 0,50 m/s )	
<b>Electrical data</b>		
Voltage (V) Frequency (Hz)	230 V 50 Hz	
Power (W)	420	800
Lightning (Lux)	>800	
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 mt/sec or fmp; alarm LEDs for fan(s), air flow, front window position, filter efficiency.

### Filters

Induction Fan(s) (qty./W)	1/375 W	2/375 W
Main filter 12 kg (qty.)	1	2
Exhaust safety filter 4kg(qty.)	1	2
Prefilters (qty.)	1	2

### Construction

Main body Epoxy painted cold rolled steel  
Lateral windows Safety glass

### Working surface (optional)

Sizes SS AISI 304 or Polypropylene or Ceramic **(not included)**

Overall (WxDxH )mm	750x720x1200	1200x720x1200
Working chamber dim.(WxDxH )mm	670x550x600	1120x550x600
Weight (Filters excluded) kg	95	130

### How to Order

Code	Item
FS2050N	Safehood 75
FS1050N	Safehood 120

### Options for SAFEHOOD

AS44000	Safehood 75 support stand
AS43000	Safehood 120 support stand
AZ90001	Polypropylene work surface for Safehood 75
AZ90101	Polypropylene work surface for Safehood 120
AZ90000	SS work surface for Safehood 75
AZ90100	SS work surface for Safehood 120
AZ90003	Ceramic work Surface for Safehood 75
AZ90103	Ceramic work Surface for Safehood 120