safehood series

Plug & Work Recirculatory Filtration Fume Cupboards

Last generation of fume cupboard for personal and environmental protection from chemical toxics.

Main Applications:
- Rigid or flexible endoscopes decontamination
- Sample preparation for anatomo-pathology
- Handling chemical substances in the laboratory
- Handling of airborne powders and chemical aerosols
- Handling of adhesives and solvents

Working with volatile toxic substances is not a problem when using a Safehood ductless workstation.

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

This ready to use ductless fume cupboard provides the maximum level of operator and environmental protection from chemical contaminants.

Because no exhaust ducting is required, Safehood provides:
- Maximum energy saving on laboratory air conditioning (no heated or cooled air will be exhausted from your lab).
- No influence on the balancing and control of the air pressure levels of your laboratory.
- Expensive ductwork is not required.

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

L.E.D. Display with continuous indication of:
- Face air velocity with containment alarm.
- Filter condition with saturation alarm.
- Sliding sash position alarm.

Simple and fast carbon filter removal procedure (1 step)
- Remove filter clamping mechanism.
- Slide out filter along the dedicated side bars.
- Extract filter from cabinet.

Simple and fast carbon filter removal procedure (2 step)
- The filter is then held vertically by the retention bars, in a safe position for the operator.
- The filter can be then inserted in the waste bag, provided with any new filter, without any contact with the operator.
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Because no exhaust ducting is required, Safehood provides:

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**COMFORTABLE**

- The smoothly operated sliding sash front window allows class leading access to the work area.
- The glass side walls offer excellent visibility and ease of cleaning.
- Choice of polypropylene, ceramic or Stainless Steel AISI 304 (with liquid containment) work surface.
- Integral fluorescent lighting and extremely low noise level induction fan.

**SAFE**

- Manufactured in accordance with the most important European Standards, BS7258 and BS 7989, Afnor NFX15211, Etraf type 1 and 2, COSHH requirements and guidelines.
- Highest containment factor provided by the most sophisticated microprocessor controlled airspeed regulation that maintains a constant front barrier average velocity of 0.5 m/sec, which is independent from the opening height of the sliding sash.
- Visual and acoustic alarm for low barrier speed or high window position and for chemical filter saturation.
- All electrical components are isolated from the air flow.
- Optional dual exhaust carbon safety filter.
- Safety slot(s) on the front panel for visual filter(s) identification (in accordance with the new European safety regulation).

**EFFICIENT**

- Smart energy saving sliding sash with automatic air speed control, to guarantee the safest condition for the operator as well as the lowest energy consumption in stand-by position.
- Extra large activated carbon filters with optimised granularity for the highest chemical specificity and efficiency.
- Maximum weight (12 kg), maximum residence time (110 mm height).
- Large choice of specific application filters.
- Front window aerodynamically designed to ensure minimum turbulence whilst providing maximum containment.

**USER FRIENDLY**

- Ready to use: just place the cabinet on a bench or on the optional support stand and plug into a standard mains socket. No need of calibration or expensive ductwork.
- Prefilter provided as standard, easily removable from inside the cabinet providing the highest operator safety.
- The high quality of the components and the accurate design ensures years of trouble free operation.

The Technical Notes shown here will provide the user with all necessary information concerning the choice and the characteristics of the filter more suitable for each specific application. Please ask your Dealer for this valuable piece of literature.
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>Safehood 75</th>
<th>Safehood 120</th>
<th>Safehood 165</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work chamber dimensions (W x D x H) mm</td>
<td>670 x 550 x 600</td>
<td>1120 x 550 x 600</td>
<td>1570 x 550 x 600</td>
</tr>
<tr>
<td>External dimensions (W x D x H) mm</td>
<td>750 x 720 x 1200</td>
<td>1200 x 720 x 1200</td>
<td>1650 x 720 x 1200</td>
</tr>
<tr>
<td>Main body</td>
<td>Epoxy painted cold rolled steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lateral windows</td>
<td>Safety glass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front window</td>
<td>Safety glass sliding sash, manually operated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control panel</td>
<td>Soft touch with on-off switch; alarm mute separate mains switch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power W</td>
<td>420</td>
<td>800</td>
<td>1170</td>
</tr>
<tr>
<td>Power supply</td>
<td>220/240 V - 50 Hz and 220 V - 60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise level dBA</td>
<td>&lt; 60</td>
<td></td>
<td></td>
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<tr>
<td>Lightning</td>
<td>&gt; 800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work surface (optional)</td>
<td>AISI 304 Stainless steel, ceramic or polypropylene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main Carbon filter Kg 12 qty.</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Exhaust safety filter Kg 4 qty. (optional)</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Prefilter qty.</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Weight Kg (filters excluded)</td>
<td>95</td>
<td>130</td>
<td>180</td>
</tr>
<tr>
<td>Treated air volume m3/h</td>
<td>300</td>
<td>550</td>
<td>800</td>
</tr>
<tr>
<td>Average front front barrier speed m/s</td>
<td>&gt; 0.4 (set point 0.50 m/s)</td>
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</tbody>
</table>

## HOW TO ORDER

- **FS20000** Safehood 75
- **FS10000** Safehood 120
- **FS30000** Safehood 165

## Optional utilities

- **AZZA000**: Retrofit Additional Vacuum tap not installed
- **AZZ0001**: Retrofit Additional Gas tap without solenoid valve, not installed

## Accessories

- **AS44000**: Stand for Safehood 75
- **AS43000**: Stand for Safehood 120
- **AS45000**: Stand for Safehood 165
- **AZ90001**: Polypropylene worksurface for Safehood 75
- **AZ90101**: Polypropylene worksurface for Safehood 120
- **AZ90201**: Polypropylene worksurface for Safehood 165
- **AZ90000**: Stainless steel worksurface for Safehood 75
- **AZ90100**: Stainless steel worksurface for Safehood 120
- **AZ90200**: Stainless steel worksurface for Safehood 165
- **AZ90003**: Ceramic worksurface for Safehood 75
- **AZ90103**: Ceramic worksurface for Safehood 120
- **AZ90203**: Ceramic worksurface for Safehood 165