

## DATASHEET

### **SAFEHOOD Series** Recirculating fume hood

#### **Codes**

FS1060N – Safehood 120

FS2060N– Safehood 75

FS2060N– Safehood 165

#### **FEATURES**

- **Sliding front glass that offers easy access to the work area**
- **Activated carbon filters with optimized granularity to offer maximum chemical specificity**
- **Microprocessor-controlled airflow**
- **Wide choice of activated carbon filters**

The SAFEHOOD line of recirculating fume hoods uses activated carbon filters to remove various types of fumes, vapours or toxic gases from the air before releasing it back into the environment. No special conditions or infrastructure are required for installation, making SafeHoods the easiest and quickest way to ensure operator safety when using toxic chemicals.

The high quality of the components and the careful design guarantee high reliability.

Safehoods are suitable for these applications:

- Handling moderate amounts of chemicals in the laboratory
- Preparation of samples in anatomical pathology
- Handling of adhesives and solvents
- Handling of volatile powders and chemical aerosols



#### **Main features**

##### *COMFORTABLE*

Sliding front glass for easy access to the work area

Side windows to increase visibility and simplify cleaning

Possibility to choose the worktop (ceramic, stainless steel, polypropylene)

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 **TECNILABO**







TECNIPLAST GROUP

LED lighting  
Low noise induction motor

#### SURE

Microprocessor flow control that maintains an average barrier speed of 0.5 m/sec regardless of the position of the glass.

Audible and visual alarms for low barrier speed

Electrical components isolated from the air flow

Additional safety filters

Front opening for visual identification of the installed filter (in accordance with European safety regulations)

#### EFFICIENT

Large activated-carbon filters with optimized granularity to ensure maximum chemical specificity and efficiency.

Large selection of application-specific filters

Front glass aerodynamics designed to ensure minimum turbulence and maximum containment

Low-speed operation in standby

#### SPECIFICATIONS

MODEL	75	120	165
<b>Aerodynamic data</b>			
Treated air volume (m <sup>3</sup> /h)	300	550	800
Average barrier speed (m/sec)	>0.4 (calibration point 0.5 m/sec)		
<b>Electrical data</b>			
Voltage	230 V – 50/60Hz		
Power Consumption (W)	420	800	1170
Illumination (Lux)	>800		
<b>Controls</b>	Soft-touch panel, power control control, alarm reset, separate main shutdown		
<b>Functions and alarms</b>	Continuous display of barrier speed, visual alarms for fan malfunction, flow alterations, incorrect glass position, filter efficiency		
<b>Filter system</b>			
Induction Motors (# & W)	1 x 375W	2 x 375W	3 x 375W
Main filters 12Kg (#)	1	2	3
Safety filter 4Kg (#)	1	2	3
Prefilters (#)	1	2	3
<b>Construction</b>	Main body made of epoxy coated steel, side windows made of safety glass		

Dimensional data			
External dimensions (WxDxH) mm	750x720x1200 mm	1200x720x1200	1650x720x1200
Working chamber (WxDxH) mm	670x550x600	1120x550x600	1570x550x600
Weight (excluding filters) Kg	95	130	180

## ORDERING INFORMATION

Code	Description
FS2060N	SAFEHOOD 75 (excluding worktop)
FS1060N	SAFEHOOD 120 (excluding worktop)
FS3060N	SAFEHOOD 165 (excluding worktop)

### SAFEHOOD Accessories

AS44000	SUPPORT FOR SAFEHOOD 75
AS43000	SUPPORT FOR SAFEHOOD 120
AS45000	SUPPORT FOR SAFEHOOD 165
AZ90000	WORKTOP in AISI 304 stainless steel safehood 75
AZ90100	WORKTOP in AISI 304 stainless steel safehood 120
AZ90200	WORKTOP in AISI 304 stainless steel safehood 165
CP30100	PACK 6 PRE-FILTERS

### MAIN ACTIVATED CARBON FILTERS

General Purpose Organic Solvent Filter – Part CP31000

Formaldehyde - Code CP32000

Ammonia - code CP33000

Specific filters are also available for inorganic acids, mercaptans, mercury vapour, ether and filters HEPA.

### ACTIVATED CARBON SAFETY FILTERS

General Purpose Organic Solvent Filter – Code CP41000

Formaldehyde - Code CP42000

Ammonia - code CP43000

Specific filters are also available for inorganic acids, mercaptans, mercury vapour, ether and filters HEPA.