

Polypropylene Fume Hood

TopAir's Polypropylene Fume Hoods are made of high-quality non-corrosive polypropylene with excellent chemical resistance.

The Polypropylene Fume Hoods protect laboratory staff from noxious fumes released by acids, bases, dangerous gases, and organic solutions, which regular common hoods may not withstand.

Harmful and unpleasant chemical fumes are removed from the controlled environment to facilitate a safe and pleasant work environment. The fume hood channels chemical vapors out of the building using an outdoor fan installed on the roof or on an external wall.

The hoods are designed for work with heavy chemicals, have been independently tested, and **EN-14175 / CE / ASHRAE 110-1995 certified.**

Structure:

- 8 mm welded polypropylene with high chemical resistance
- Polypropylene worktop – optional materials include stainless steel, ceramic, epoxy and HPL.
- 5 mm front safety glass window with counterweight system
- Lower vented base cabinet made out of polypropylene
- Air ventilation from both the top and rear panel

- Basic control system: a 7" color touch screen controlling lighting and power outlets
- **Optional upgrade** to control systems:
 - **AFA:** 7" screen with AFA system air velocity display and alarm
 - **VAV:** 10.1" screen with VAV system automatic air velocity control (installed and include VFD), temp & humidity display
 - **Active system:** 10.1" screen with energy saver, automatic sash motion and proximity sensing system
 - Active system dramatically reduces energy costs
- 800 lux LED lighting separated from the work area (option for explosion-proof light)
- Optional accessories such as taps, sinks, sockets, scaffolding, and outdoor fan
- EN-14175, ASHRAE 110-1995, CE certified



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Spec/ Model	FH-120-PP	FH-150-PP	FH-180-PP	FH-200-PP	FH-220-PP
External Dimensions W x D x H	1200 x 830 x 2320mm 47.3 x 32.6 x 91.3"	1500 x 830 x 2320mm 59.0 x 32.6 x 91.3"	1800 x 830 x 2320mm 70.8 x 32.6 x 91.3"	2000 x 830 x 2320mm 78.7 x 32.6 x 91.3"	2200 x 830 x 2320mm 86.6 x 32.6 x 91.3"
Workspace (W x D x H)	1000 x 630 x 1170mm 39.4 x 24.8 x 46"	1300 x 630 x 1170mm 51.2 x 24.8 x 46"	1600 x 630 x 1170mm 63 x 24.8 x 46"	1800 x 630 x 1170mm 70.8 x 24.8 x 46"	2000 x 630 x 1170mm 78.8 x 24.8 x 46"
WE CAN CUSTOMIZE ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS					
Front Sash Max Opening	720 mm / 28.3"	720 mm / 28.3"	720 mm / 28.3"	720 mm / 28.3"	720 mm / 28.3"
Production / test Standard	EN-14175 / ASHRAE 110-1995				
Air Velocity	0.5±0.1 m/s, 100±20 fpm				
Hood Material	Polypropylene				
Worktop	The standard worktop is, polypropylene, other options are: HPL/ Ceramic / Epoxy / Stainless steel				
Optional System	The standard control system is a 7" color display with on/off controls				
Add on accessories	Water tap / gas tap / vacuum tap / pp sink / triplex glass / explosion-proof light				
Power Supply	110/220 V, 50/60 Hz. Includes a single-phase power supply. A three-phase power supply can be special ordered.				
Illumination	800 lux LED lights				

Accessories

Model	Description
FH-KIT	Kit for Fume Hood includes: 1 water tap, 1 gas tap, 1 cup sink and 4 power outlets
FH-GTAP	Gas tap
FH-WTAP	Water tap
FH-PP-KP4B	Polypropylene cup sink (more sizes are available see the website)
FH-SOCKET	Power outlet
FH-AFA / FH-VAV / FH-ACTIVE	The standard control system is a 7" with on/off controls, other options are: airflow alarm and display 7" screen / VAV System with 10.1" screen / active sash system with 10.1" screen
FH-FAN-750	Centrifugal fan 0.75 kW 2800 rpm / IE3
FH-FAN-1500-300	Centrifugal fan 1.5 kW 2800 rpm / IE3 DIA 300 mm