Active Polypropylene Fume Hood

TopAir's Active Polypropylene Fume Hood is an advanced high quality system enhanced with innovative technology, offered at highly competitive prices.

The hood is made of high-quality non-corrosive polypropylene with excellent chemical resistance.

The Active Fume Hoods protect laboratory staff from noxious fumes released by acids, dangerous gas and organic solutions – materials and acids which regular steel 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 external fan installed on the roof or on an external wall.

The fume hood features a sensor which detects staff standing next to the unit, and accordingly, opens and closes the window automatically. The unit's fan speed changes according to the open/closed mode of the window, saving substantial energy.
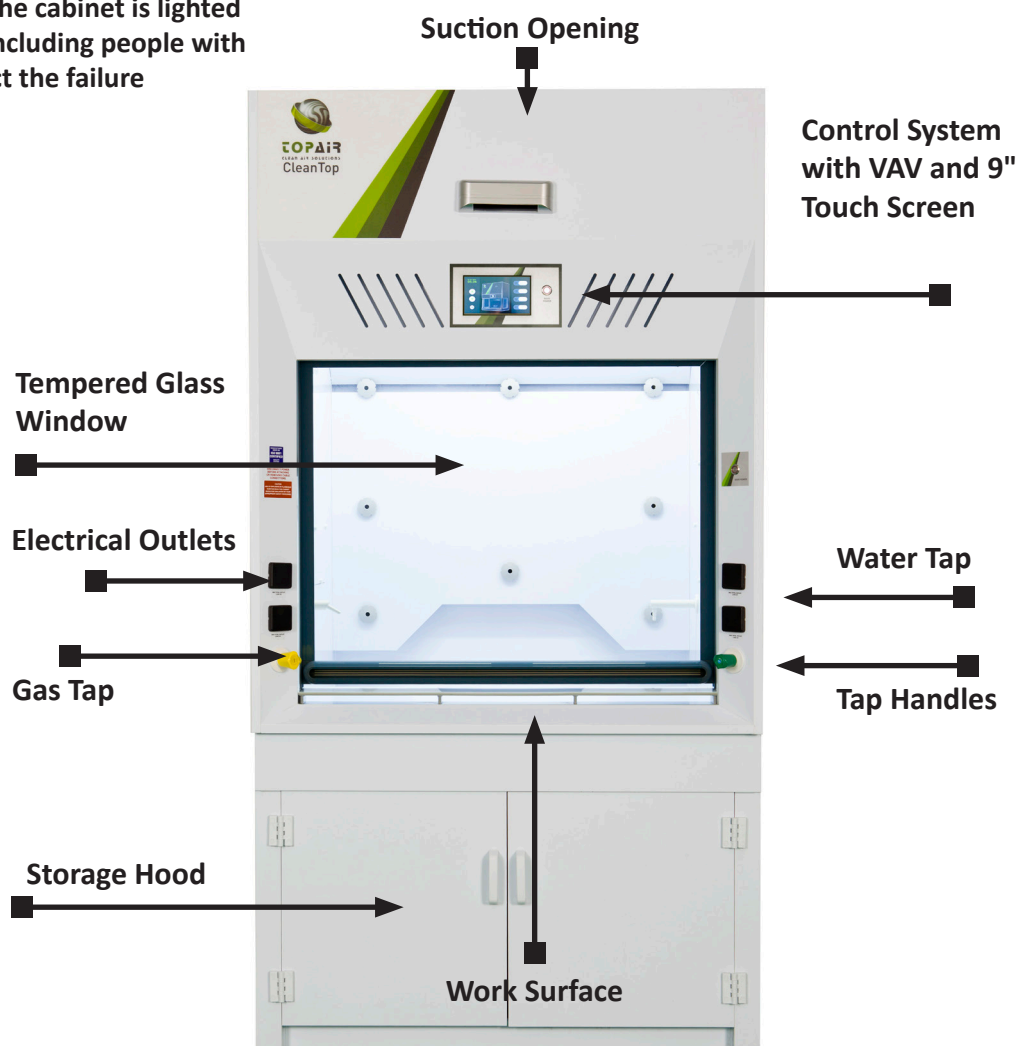
Upon a failure, the interior of the cabinet is lighted up in bright red, so that staff, including people with hearing issues, can easily detect the failure from a distance.

VAV System
TopAir's reliable VAV (Variable Air Volume) system for fume hoods measures the air velocity using a high quality sensor. The data is converted to an analog signal that can control a VFD (Variable-Frequency Drive).

The system's key advantage is its ease of operation: an unskilled worker can easily calibrate, set the alarm and operation set points and control the system. The VAV system provides a safe energy-saving environment and can upgrade fume hoods to smart, advanced devices. TopAir's VAV system is provided as a complete installed product.

- VAV system including 9" color touch screen
- Sensor detects staff presence and opens/closes the window, as well as adjusting fan speed to save energy
- Polypropylene structure with high chemical resistance
- One-piece welded structure
- Built-in polypropylene worktop
- Tempered glass sliding front sash
- Eco-friendly, cost-effective 800 LUX LED lighting separated from the work area
- Optional: sink/water tap/gas tap/vacuum tap/ electric sockets
- Includes polypropylene lower base Hood
- Optional: Variety of worktop materials
- **EN-14175 / ASHRAE 110-1995 / CE certified**

Suction Opening

Control System with VAV and 9" Touch Screen

Tempered Glass Window

Electrical Outlets

Gas Tap

Water Tap

Tap Handles

Storage Hood

Work Surface

Models

Spec/Model	FH-120-PP-ACT	FH-150-PP-ACT	FH-180-PP-ACT	FH-200-PP-ACT	FH-250-PP-ACT
External Dimensions W x D x H	1200 x 830 x 2320 mm 47.3x 32.6 x 91.3"	1500 x 830 x 2320 mm 59.0 x 32.6 x 91.3"	1800 x 830 x 2320 mm 70.9 x 32.6 x 91.3"	2000 x 830 x 2320 mm 78.7 x 32.6 x 91.3"	2000 x 830 x 2320 mm 98.4 x 32.6 x 91.3"
WE CAN CUSTOMIZE TO ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS					
Workspace (W x D x H)	1000 x 630 x 1170 mm 39.4 x 24.8 x 46"	1300 x 630 x 1170 mm 51.2 x 24.8 x 46"	1600 x 630 x 1170 mm 63 x 24.8 x 46"	1800 x 630 x 1170 mm 70.8 x 24.8 x 46"	2300 x 630 x 1170 mm 90.5 x 24.8 x 46"
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	White Polypropylene				
Work Table Material	HPL/ Ceramic / Epoxy / PP / Stainless steel				
Control System	VAV System with 9" color touch screen				
Optional	Water tap/ gas tap / vacuum tap/ pp sink				
Power Supply	110 / 220V, 50/60 Hz. Includes a single phase power supply. A three-phase power supply can be specially ordered.				
Illumination	800 LUX LED lights				

Accessories

Description	Model
Kit for Fume Hood includes: 1 water tap, 1 gas tap, 1 cup sink and 4 power outlets	FH-KIT
Gas tap	FH-GTAP
Water tap	FH-WTAP
Polypropylene cup sink	FH-PP-SINK
Polypropylene sink 30 x 40	FH-SINK-3040
Power outlet	FH-SOCKET
Air flow monitor with audible alarm VAV+VFD installed, including 9'' LCD touch screen controller	FH-VAV
Centrifugal fan 0.75 kw 2800 RPM/IE3	FH-FAN-750
Centrifugal fan 1.1 KW 2800 RPM/IE3 DIA 300 mm	FH-FAN-1100-300