# Active Polypropylene Fume Hood

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

The unit 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, 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.
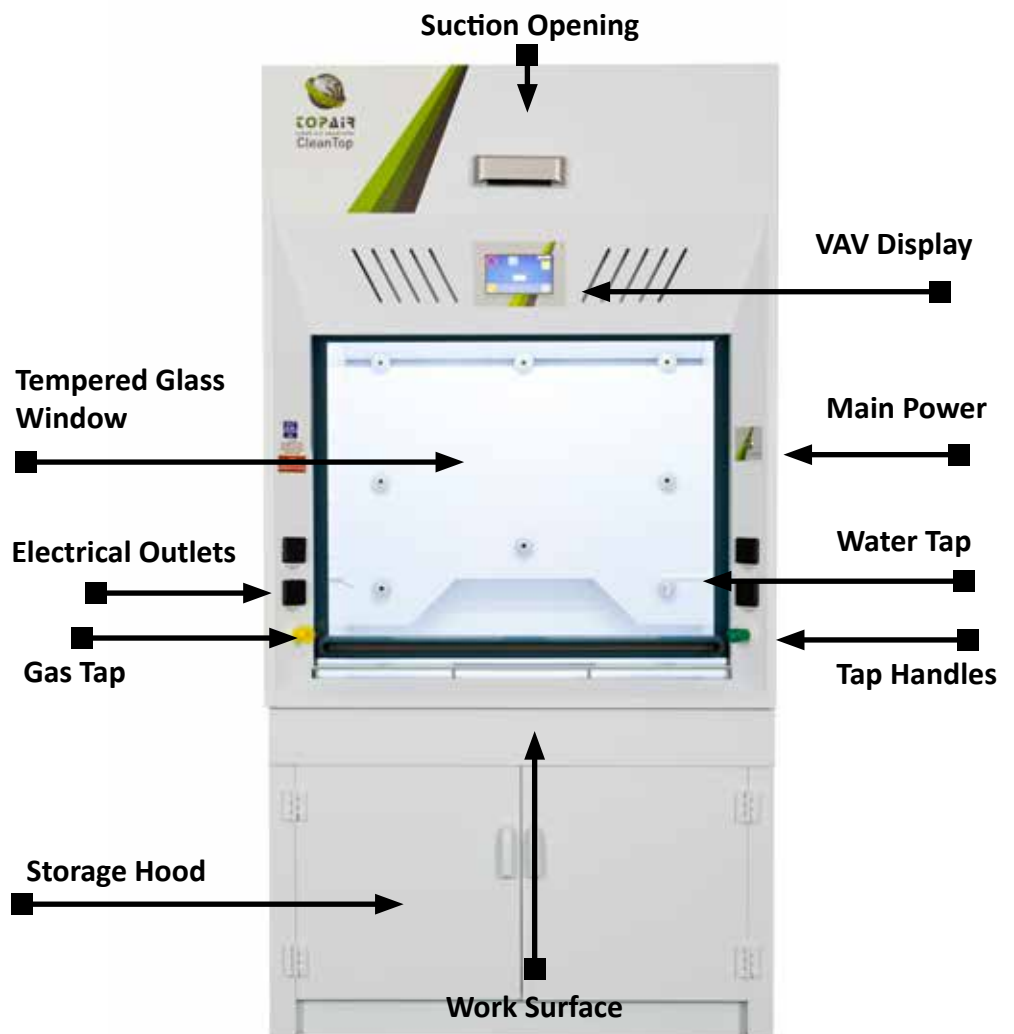
- VAV system including 7" color display screen
- Sensor detects staff presence and opens/closes the window, as well as adjusting fan speed to save energy
- Polypropylene structure with high chemical resistance
- One-piece welded structure
- Built-in polypropylene worktop
- Tempered glass sliding front sash
- Eco-friendly, cost-effective 800 LUX LED lighting separated from the work area
- Optional: sink/water tap/gas tap/vacuum tap
- Includes polypropylene lower base Hood
- Optional: Variety of worktop materials
- EN-14175 / ASHRAE 110-1995 certified

Optional Features

PPS V2

ESD Protected
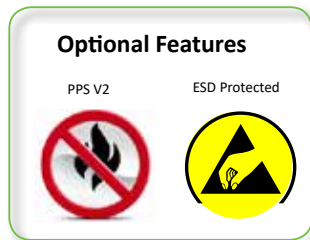
VAV System

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.

Suction Opening

VAV Display

Tempered Glass Window

Main Power

Electrical Outlets

Water Tap

Gas 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 805 x 2320 mm 47.3x 31.7 x 91.3"	1500 x 805 x 2320 mm 59.0 x 31.7 x 91.3"	1800 x 805 x 2320 mm 70.9 x 31.7 x 91.3"	2000 x 805 x 2320 mm 78.7 x 31.7 x 91.3"	2500 x 805 x 2320 mm 98.4 x 31.7 x 91.3"
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				
Control System	VAV system with 7" color touch screen				
Optional	Water tap/ gas tap / vacuum tap/ pp sink				
Power Supply	110 / 220V, 50/60 Hz, Single/triple phase				
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 7'' LCD touch screen controller	FH-VAV
Air flow monitor with audible alarm VAV+VFD installed, including 4.3'' LCD touch screen controller	FH-VAV-4.3
Centrifugal fan 0.75 kw	FH-FAN-750
Centrifugal fan 1.1 KW	FH-FAN-1100-300