Acid Fume Hood

Model **FH-150-PP** | Brand **Master Science** | Unit **Pc**



Acid Fume Hood

TopAir's Acid Fume Hood is designed to provide a safe and controlled environment for laboratory work involving hazardous chemicals, such as acids and organic solutions. Made of high-quality non-corrosive polypropylene, these fume hoods offer superior chemical resistance, ensuring long-lasting performance even when dealing with aggressive materials like perchloric acid.

KEY HIGHLIGHTS

- Chemical Resistance
- One-piece welded structure
- Air suction from top and back panels
- Tempered glass sliding front sash
- Eco-friendly LED lighting (800 LUX)

AT A GLANCE

HPL, Ceramic, Epoxy, PP, Stainless Steel
WORK TABLE MATERIALOPTIONS

Request a Quotation
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Overview

This advanced design helps protect laboratory personnel from harmful fumes and vapors, making it ideal for heavy chemical work.

The polypropylene construction is specifically engineered for superior chemical resistance, making it perfect for working with dangerous acids and solvents that may damage standard fume hoods.

Educational institutions and industrial applications requiring safe, high-performance fume extraction.

Key Benefits

Chemical Resistance

DURABLE, CORROSION-RESISTANT STRUCTURE

Excellent chemical resistance, ideal for labs dealing with harsh substances.

One-piece welded structure
Increases strength and durability, minimizing weak points that could degrade over time.

EFFECTIVE AIRFLOW MANAGEMENT

Air suction from top and back panels
Ensures optimal removal of chemical fumes and vapors.

SAFE, EFFICIENT DESIGN

Tempered glass sliding front sash
Provides visibility and can be adjusted for ease of access while containing fumes.

Eco-friendly LED lighting (800 LUX)
Separated from the work area to ensure efficient and safe lighting without exposure to harsh chemicals.

OPTIONAL ACCESSORIES AND FEATURES

Customizable options
Includes water tap, gas tap, vacuum tap, and an optional polypropylene sink.

Standard 5" color touch screen for easy control of lighting and power.

Optional VAV system with 9” color touch screen for variable air volume control.

With built-in airflow systems and customizable options like air velocity monitoring and various taps, it offers both safety and convenience in a laboratory setting.

Regulatory Compliance
Certified to meet strict industry standards, ensuring safety and reliability.

Durability & Functionality
The fume hood's construction is designed to withstand harsh chemicals and high-demand environments, providing longevity and reduced maintenance costs.

Technical Specifications

PARAMETER	SPECIFICATION
Air Velocity	0.5 ± 0.1 m/s (100 ± 20 FPM) for effective ventilation.
Specification	FH-150-PP Model
External Dimensions (W x D x H)	1500 x 830 x 2320 mm (59.0 x 32.6 x 91.3 inches)
Workspace Dimensions (W x D x H)	1300 x 630 x 1170 mm (51 x 24.8 x 46 inches)
Front Sash Max Opening	720 mm (28.3 inches)
Production/Test Standard	EN-14175 / CE / ASHRAE 110-1995
Air Velocity	0.5 ± 0.1 m/s (100 ± 20 FPM)
Cabinet Material	White Polypropylene
Work Table Material	Options HPL, Ceramic, Epoxy, PP, Stainless Steel
Optional Control System	VAV system with 9” color touch screen
Optional Features	Water tap, gas tap, vacuum tap, PP sink
Power Supply	110/220V, 50/60 Hz (single-phase); three-phase available on request
Illumination	800 LUX LED lights

Applications

Laboratories working with strong acids, dangerous gases, or organic solutions.

Chemical research and development facilities.

Optional Accessories

- Includes a 7" color touch screen, air velocity monitoring, and automatic alerts for deviations in airflow.
- Certification and Standards
- Independently tested and certified to meet EN-14175, ASHRAE 110-1995, and CE standards for fume hood performance and safety.