

Acid Fume Hood



TopAir Acid Fume Hood

Overview

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

Key Features

1. Durable, Corrosion-Resistant Structure

- **Polypropylene Construction:** 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.

2. Effective Airflow Management

- **Air suction from top and back panels:** Ensures optimal removal of chemical fumes and vapors.
- **Air Velocity:** 0.5 ± 0.1 m/s (100 ± 20 FPM) for effective ventilation.

3. 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.

4. Optional Accessories and Features

- **Customizable options:** Includes water tap, gas tap, vacuum tap, and an optional polypropylene sink.
- **Control Systems:**
 - 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.
 - Optional **AFA system:** Includes a **7" color touch screen, air velocity monitoring**, and automatic alerts for deviations in airflow.

5. Certification and Standards

- Independently tested and certified to meet **EN-14175, ASHRAE 110-1995, and CE** standards for fume hood performance and safety.

Specifications

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

Specification	FH-150-PP Model
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

Why Choose TopAir's Acid Fume Hood?

- **Chemical Resistance:** 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.
- **Enhanced Safety Features:** 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.

Ideal For

- Laboratories working with strong acids, dangerous gases, or organic solutions.
- Chemical research and development facilities.
- Educational institutions and industrial applications requiring safe, high-performance fume extraction.

