Polypropylene Total Exhaust Fume Hoods

“Provides Comprehensive Operator Protection and Optimum Performance”

Provides Personnel Protection from Airborne Hazards
Meets or Exceeds OSHA, ANSI and other International Standards
INTRODUCTION

Air Science TotalExhaust fume hoods are designed to provide superior personnel protection from exposure to hazardous agents and toxic chemicals in a variety of applications. TotalExhaust fume hoods use horizontal and vertical airflow across the work surface to ensure optimal containment.

Corrosion-resistant, single-wall units are available in a number of standard and custom sizes with optional polypropylene exhaust blowers to augment external ventilation systems. Contact Air Science for more information.

VENTED BASE CABINET

The optional vented base cabinet safely stores chemicals, and can be fitted with cup sink, swan neck faucet and service fixtures.

AVAILABLE OPTION: EXHAUST BLOWERS

Optional polypropylene exhaust blowers are available in a variety of sizes and configurations to withstand the most demanding conditions. Chemical and corrosion-resistant plastic impeller and casing construction are suitable for installation in highly caustic conditions as well as general laboratory use.

TOTALEXHAUST AIRFLOW PATTERN

- Connection to Ductwork
- Ductwork (not included)
- Room Air Intake

Made in the U.S.A.

This Product Exceeds OSHA, ANSI and Other International Standards.
PRODUCT FEATURES:

A. **Work Surface**: Seamless polypropylene work surface. Stainless steel and epoxy options also available.

B. **Exhaust Connection Collar**: Standard 6-inch exhaust collar (up to 4 connections depending on model).

C. **Power Switch**: On/Off power switch for internal lighting.

D. **Double Hinged Self Locking Front Sash**: Easy to open bi-fold acrylic front sash. Additional construction materials available as options.

E. **Internal Baffle System**: Integrated internal baffle system ensures smooth airflow and optimized containment.

F. **Air Velometer**: Analog air velocity meter allows continuous visual inspection of airflow for operator safety.

G. **Pass Through Ports**: Side-wall mounted pass through ports for safe routing of instrument cords, cables and leads.

H. **Lighting**: Ballasted, vapor-proof fluorescent lighting saves energy and provides optimal internal lighting conditions.

PTEFH-24 shown with all standard features.
### Polypropylene Total Exhaust Fume Hoods

#### PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIMENSIONS</th>
<th>WEIGHT (lbs/Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Internal Height</td>
<td>Internal Depth</td>
</tr>
<tr>
<td>PTEFH-24</td>
<td>36' 914 mm</td>
<td>23.2' 590 mm</td>
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<tr>
<td>PTEFH-36</td>
<td>36' 914 mm</td>
<td>23.2' 590 mm</td>
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<tr>
<td>PTEFH-48</td>
<td>36' 914 mm</td>
<td>23.2' 590 mm</td>
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<td>PTEFH-60</td>
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<tr>
<td>PTEFH-96</td>
<td>36' 914 mm</td>
<td>23.2' 590 mm</td>
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</tbody>
</table>

**Airflow Pattern**
- Horizontal and vertical airflow

**Construction**
- Polypropylene

**Work Surface**
- Polypropylene (available in White, Black or Blue)

**Sash**
- Single, double hinged locking acrylic.
- Dual, double hinged locking acrylic.

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*Specifications subject to change without notice.
PRODUCT SPECIFICATIONS

**Electrical and Monitoring**

<table>
<thead>
<tr>
<th>Feature</th>
<th>PTEFH-24</th>
<th>PTEFH-36</th>
<th>PTEFH-48</th>
<th>PTEFH-60</th>
<th>PTEFH-72</th>
<th>PTEFH-96</th>
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</thead>
<tbody>
<tr>
<td>Lighting</td>
<td>&lt;%= Vapor-proof, ballasted fluorescent lighting with mounted On/Off switch and power cord (110V 60Hz; also available in other voltages). %&gt;</td>
<td>&lt;%= Lighting, push switch On/Off. %&gt;</td>
<td>&lt;%= Continuous airflow display meter, wall mounted. %&gt;</td>
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<td>Switches</td>
<td>&lt;%= &lt;%= -&gt; %&gt;</td>
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OPTIONS & ACCESSORIES

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<tr>
<th>Feature</th>
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<th>PTEFH-48</th>
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<tr>
<td>Wall Construction</td>
<td>CSIDE-TE-24</td>
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<td>Service Valves</td>
<td>CREAT-TE-24</td>
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<tr>
<td>Cup Sink</td>
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<td>Vented Base Cabinets</td>
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<td>PTEFH-72-ENCVB</td>
<td>PTEFH-96-ENCVB</td>
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<tr>
<td>Sash Configuration</td>
<td>&lt;%= Contact Air Science to discuss specific door options and configurations on each model of TotalExhaust fume hood. %&gt;</td>
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<td>Exhaust Blowers</td>
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STANDARDS & COMPLIANCE

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<td>Electrical Safety</td>
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<td>ISO 14001 Energy Star Partner</td>
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