

Total Exhaust[™] SERIES

Polypropylene Total Exhaust Fume Hoods

"Provides Comprehensive Operator Protection and Optimum Performance"

24 • 36 • 48
60 • 72 • 96



— PTEFH-48 shown on optional vented base cabinet

Provides Personnel Protection
from Airborne Hazards

Meets or Exceeds OSHA, ANSI and
other International Standards



GSA Schedule
Contract GS-07-082P

JUMP TO:

- Features and Callouts (p.3)
- Specifications (p.4)
- Options and Accessories (p.5)



TotalExhaust SERIES™

Polypropylene Total Exhaust Fume Hoods

- White, black or blue all-polypropylene work surface.
- Units available with up to four exhaust connection points.
- Vapor-proof, ballasted fluorescent lighting with switch and power cord.
- Integrated rear baffle system optimizes airflow and improves containment.
- Acrylic, bi-fold front sash to ensure operator safety and comfort.
- Two cable pass through ports provide convenient workspace configuration options.
- Air Velometer provides continuous airflow monitoring.

PTEFH-60



APPLICATIONS

- Forensics
- Educational
- Microscopy
- Pharmaceutical
- Powder weighing
- Sample prep work
- Veterinary and dental work

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

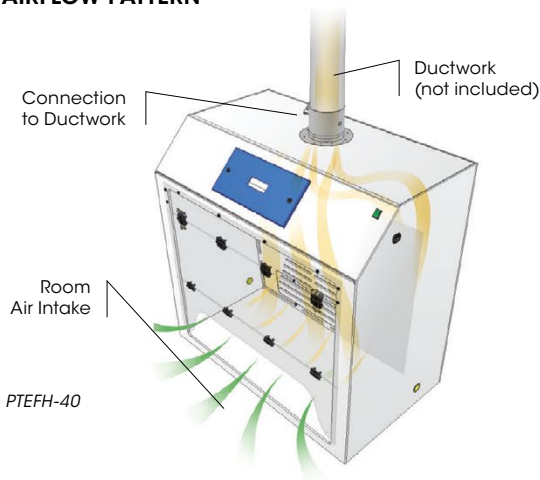
The optional vented base cabinet safely stores chemicals, and can be fitted with cup sink, swan neck faucet and service fixtures.

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.

AVAILABLE OPTION: EXHAUST BLOWERS

Optional polypropylene exhaust blowers are available in a variety of

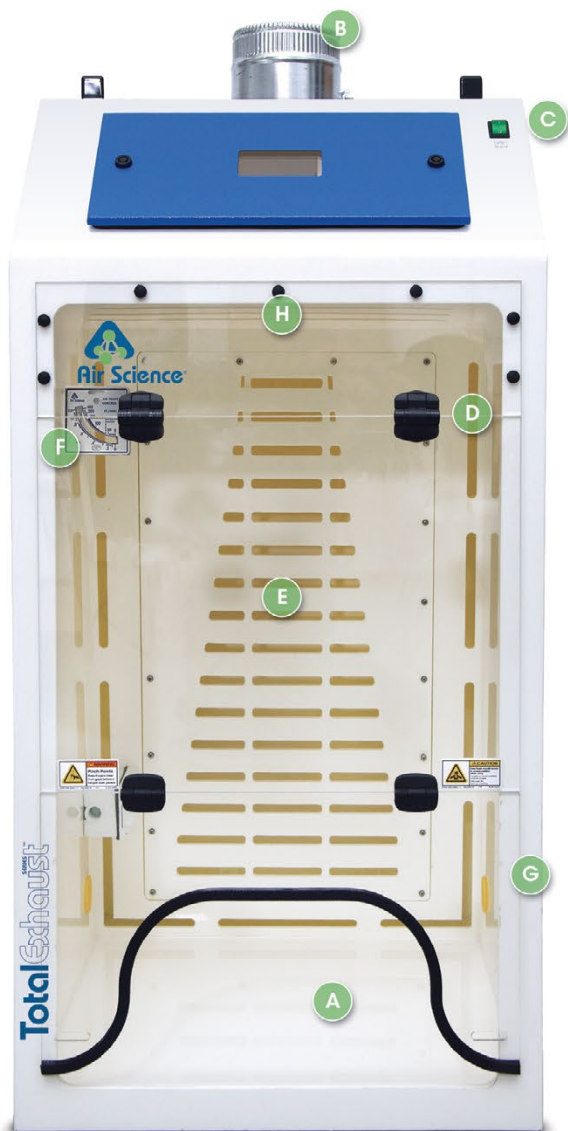
TOTALEXHAUST AIRFLOW PATTERN



PTEFH-40

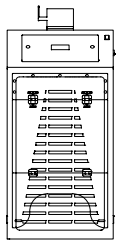


This Product Exceeds OSHA, ANSI and Other International Standards.

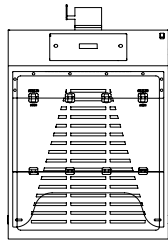

PRODUCT FEATURES:

- 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.

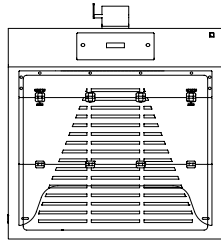
PTEFH-24 shown with all standard features.



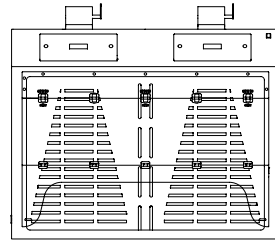
PTEFH-24



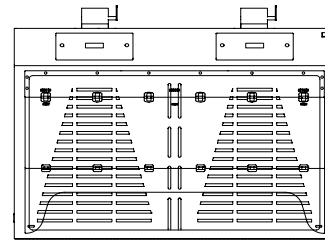
PTEFH-36



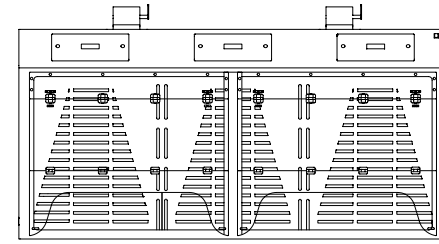
PTEFH-48



PTEFH-60



PTEFH-72



PTEFH-96



Side View

MODEL	DIMENSIONS				WEIGHT (lbs/Kg)	
	Internal Height	Internal Depth	External (W x D x H)	Shipping (W x D x H)	Net	Ship
TotalExhaust Fume Hoods						
PTEFH-24	36" 914 mm	23.2" 590 mm	24" x 28" x 47" 610 x 711 x 1194 mm	36" x 36" x 60" 914 x 914 x 1524 mm	132 / 60	177 / 80
PTEFH-36	36" 914 mm	23.2" 590 mm	36" x 28" x 47" 914 x 711 x 1194 mm	48" x 42" x 60" 1219 x 1067 x 1524 mm	156 / 71	201 / 91
PTEFH-48	36" 914 mm	23.2" 590 mm	48" x 28" x 47" 1219 x 711 x 1194 mm	55" x 42" x 60" 1397 x 1067 x 1524 mm	180 / 82	225 / 102
PTEFH-60	36" 914 mm	23.2" 590 mm	60" x 28" x 47" 1524 x 711 x 1194 mm	68" x 42" x 60" 1727 x 1067 x 1524 mm	204 / 93	249 / 113
PTEFH-72	36" 914 mm	23.2" 590 mm	72" x 28" x 47" 1829 x 711 x 1194 mm	80" x 42" x 60" 2032 x 1067 x 1524 mm	234 / 106	289 / 131
PTEFH-96	36" 914 mm	23.2" 590 mm	96" x 28" x 47" 2438 x 711 x 1194 mm	105" x 42" x 60" 2667 x 1067 x 1524 mm	360 / 163	450 / 204

PRODUCT SPECIFICATIONS

Air Science Model	PTEFH-24	PTEFH-36	PTEFH-48	PTEFH-60	PTEFH-72	PTEFH-96
Airflow Pattern	<... Horizontal and vertical airflow ...>					
Construction						
Unit	<... Polypropylene ...>					
Work Surface	<... Polypropylene (available in White, Black or Blue) ...>					
Sash	Single, double hinged locking acrylic.					Dual, double hinged locking acrylic.
Exhaust Connections (6-inch std. size)	1	1	1	2	2	3

*Specifications subject to change without notice.

PRODUCT SPECIFICATIONS

Electrical and Monitoring

	PTEFH-24	PTEFH-36	PTEFH-48	PTEFH-60	PTEFH-72	PTEFH-96
Lighting	<... Vapor-proof, ballasted fluorescent lighting with mounted On/Off switch and power cord (110V 60Hz; also available in other voltages). ...>					
Switches	<... Lighting, push switch On/Off. ...>					
Monitoring	<... Continuous airflow display meter, wall mounted. ...>					

*Specifications subject to change without notice.

OPTIONS & ACCESSORIES

Air Science Model

		PTEFH-24	PTEFH-36	PTEFH-48	PTEFH-60	PTEFH-72	PTEFH-96
Work Surface	Stainless steel or epoxy resin worktops. Slide out for easy cleaning.	SSTRAY-TE-24	SSTRAY-TE-36	SSTRAY-TE-48	SSTRAY-TE-60	SSTRAY-TE-72	SSTRAY-TE-96
		ERTRAY-TE-24	ERTRAY-TE-36	ERTRAY-TE-48	ERTRAY-TE-60	ERTRAY-TE-72	ERTRAY-TE-96
Wall Construction	Clear acrylic side and rear walls provide increased visibility.	CSIDE-TE-24	CSIDE-TE-36	CSIDE-TE-48	CSIDE-TE-60	CSIDE-TE-72	CSIDE-TE-96
		CREAR-TE-24	CREAR-TE-36	CREAR-TE-48	CREAR-TE-60	CREAR-TE-72	CREAR-TE-96
Service Valves	Can be fitted with service fixtures such as petcocks, faucets, and valves.	<... SF-X. Specify service fitting type (faucet, valve, petcock) and location when ordering. ...>					
Cup Sink	Cup sink is fitted into base tray.	SINK	SINK	SINK	SINK	SINK	SINK
Trash Chutes	Side mounted trash chutes. Bags not included.	TRASH	TRASH	TRASH	TRASH	TRASH	TRASH
Vented Base Cabinets	Floor-standing vented base for cabinet. Provides safe storage of chemicals or other materials.	PTEFH-24-ENCVB	PTEFH-36-ENCVB	PTEFH-48-ENCVB	PTEFH-60-ENCVB	PTEFH-72-ENCVB	PTEFH-96-ENCVB
Sash Configuration	Includes overlapping sliding doors (vertical or horizontal), vertical outward swing doors and various hinged upward swing configurations.	<... Contact Air Science to discuss specific door options and configurations on each model of TotalExhaust fume hood. ...>					
Exhaust Blowers	Single block, high density UV-treated and recyclable polypropylene units available in various sizes and mounting configurations to external ventilation systems to vacate contaminated air.	<... Multiple sizes and mounting configurations are available. ...>					

STANDARDS & COMPLIANCE

Quality Management Systems	ISO 9001
Chemical Fume Containment	ANSI/ASHRAE 110 1995
Electrical Safety	UL-C-61616A CE Mark ROHS Exempt under EEE Category 9
Product Design	ANSI Z 9.5-2003 ANSI Z 9.7-1998
OSHA, Occupational Safety and Health Administration	OSHA Standard -29 CFR, Safety and Health Regulations for General Industry, 1910.1450; Occupational exposure to hazardous chemicals in laboratories. Part B, definition, laboratory type hood.
Environment	ISO 14001 Energy Star Partner



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