

Ducted Fume Hoods / Enclosures

Exhausts harmful fumes and particulates away from the operator's breathing zone when connected to an inhouse vent system.



P5-36-XT-ENCL-DUCT



Operator



Particulate



Vapor



24



36



48



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INTRODUCTION

Air Science® Purair® DUCTED BASIC Fume Hoods are designed to protect personnel from exposure to hazardous agents and toxic chemicals in various applications. These hoods are available in several standard sizes and are extremely compact and lightweight. They are built for simplicity and feature a hinged folding front sash. Clear back, sides, and front panels allow ambient light into the chamber and provide users with an unobstructed view of contents. An open base allows easy placement over a variety of equipment or sinks. Optional worksurfaces are also available.

APPLICATIONS

This exterior-venting exhaust hood is typically used for applications with high volumes of volatile organic compounds and toxic chemicals, gases, or powders.

Air Science Purair DUCTED BASIC Fume Hoods utilize an external ducting system to provide an effective and economical tool for air quality enhancement in many commercial, chemical, medical, laboratory, and industrial applications.

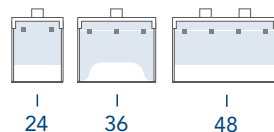
Forensics \ Educational \ Microscopy \
Pharmaceutical \ Powder Weighing \ Sample Prep
Work \ Veterinary \ Dental



Deep into its second generation, Air Science embraces the diversity and cultural heritage of the founders and co-workers who are continuing a tradition of excellence. Air Science is a United States-based company with a domestic and global reach that is committed to adaptation, inclusion, and quality.

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SELECTION

Purair DUCTED BASIC Fume Hoods are available in 3 standard widths.

KEY FEATURES

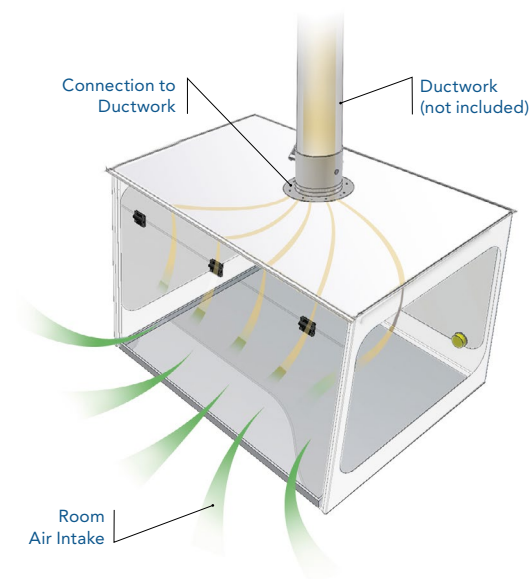
- Chemical-resistant epoxy coated steel frame.
- 360 degree visibility.
- Protects the operator from fume hazards.



P5-48-XT-ENCL-DUCT

AIRFLOW

Unlike a ductless fume hood, the Purair DUCTED BASIC fume hood is installed in a fixed location and hard connected to the facility exhaust system to create a negative pressure work surface. Hazardous fumes and vapors generated on the work surface are exhausted to the outside. Air intake face velocity can be adjusted to provide the desired balance between conditioned room air conservation and the necessary volume of exhausted contaminated air.



Specifications are subject to change without notice or obligation on the part of Air Science. For questions, [contact Air Science](http://airscience.com).

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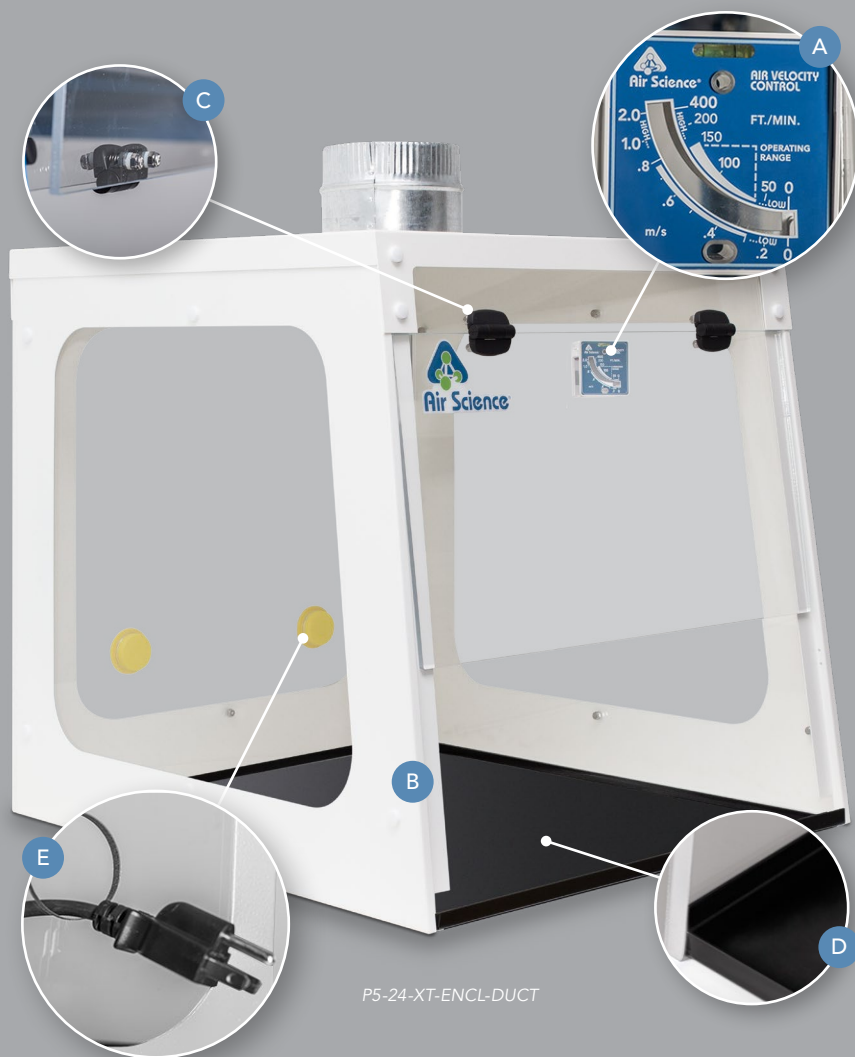
PurairDUCTED^{BASIC}

Ducted Fume Hoods / Enclosures

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DESIGN FEATURES

3



DESIGN FEATURES

- A. Optional Air Velometer:** An optional analog air velocity meter is positioned in the user's field of vision.
- B. Steel Support Frame:** The chemical-resistant epoxy coated steel frame adds mechanical strength.
- C. Hinged Front Sash:** When closed, the cabinet sash protects the contents from inadvertent external contact and better isolates the air within. The sash is easy to open and close.
- D. Optional Work Surface:** The internal work surface can be fitted with an optional polypropylene tray (available in white and black); see accessories.
- E. Pass Through Ports:** Cords and cables are safely routed into the cabinet through ports on the back.

ADDITIONAL FEATURES

360 Degree Visibility: Clear back and side panels allow ambient light into the chamber and provide users with an unobstructed view of contents.

! IMPORTANT NOTE: Ducting / fan not included with unit. End user is responsible for meeting exhaust ventilation regulations before venting fumes and should defer to the appropriate agency or agencies (federal, state, local) and / or contact a certified industrial hygienist or qualified safety professional to verify application suitability with this product.

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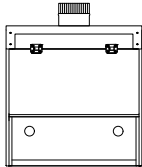
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Ducted Fume Hoods / Enclosures

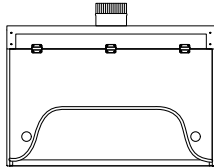
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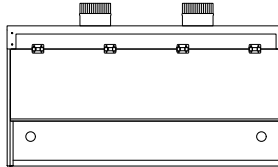
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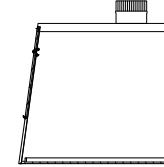
P5-36-XT-ENCL-DUCT



P5-48-XT-ENCL-DUCT



Standard Depth (XT)



MODEL	DIMENSIONS			WEIGHT (LBS/KG)
	Internal Height	External (W × D × H)	Exhaust Collar / Duct Spigot Size	Net
P5-24-XT-ENCL-DUCT	23.6" / 600 mm	24" × 27" × 28" / 610 × 676 × 710 mm	6" / 150 mm	40 / 18
P5-36-XT-ENCL-DUCT	23.6" / 600 mm	36" × 27" × 28" / 914 × 676 × 710 mm	6" / 150 mm	48 / 22
P5-48-XT-ENCL-DUCT	23.6" / 600 mm	48" × 27" × 28" / 1219 × 676 × 710 mm	(2) 6" / 150 mm	55 / 25

MODEL	TYPICAL AVERAGE AIRFLOW REQUIREMENT AT CONNECTION			
	Face velocity (FPM)	Air Flow Required (CFM)	Face Velocity (m/sec)	Airflow Required (m³/hr)
P5-24-XT-ENCL-DUCT	100	131	0.5	223
P5-36-XT-ENCL-DUCT	100	160	0.5	273
P5-48-XT-ENCL-DUCT	100	278	0.5	465

OPTIONS & ACCESSORIES

		P5-24-XT-ENCL-DUCT	P5-36-XT-ENCL-DUCT	P5-48-XT-ENCL-DUCT
Dwyer Airflow Meter	Continuous display of face velocity.	DWYER	DWYER	DWYER
Spill Tray (Polypropylene)	Removable for easy cleaning.	TRAY-P5-24	TRAY-P5-36	TRAY-P5-48

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WARRANTY

This product is protected by the Air Science Legacy Limited Lifetime Warranty™.



For details visit the [Warranty section](#) of our website.

STANDARDS & COMPLIANCE

Quality Management Systems	ISO 9001: 2015
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. This product may assist you with compliance or as part of your chemical hygiene plan. Please consult your Safety Officer and/or Industrial Hygienist.
Environment	ISO 14001: 2015 ENERGY STAR® Partner



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