

PurairDUCTED^{PLUS}

Purair DUCTED PLUS Sliding Sash Ducted Fume Hoods

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



AS-HAS-180-CA-A













INTRODUCTION

Air Science® Purair DUCTED PLUS sliding sash ducted fume hoods are engineered to deliver dependable operator protection in laboratory settings. Designed for fixed installation and direct connection to a facility's exhaust system, it provides a controlled negative pressure environment that safely removes hazardous fumes, vapors, and particulates from the breathing zone.

APPLICATIONS

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

KEY FEATURES

- Aerodynamic Sash Handle.
- Flip-down Cover
- Protects the operator from fume hazards.



AIRFLOW

Unlike a ductless fume hood, the Purair DUCTED PLUS sliding sash ducted 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.



DESIGN FEATURES

- A. Flip-Down Cover: Easy maintenance & light
- B. Membrane Control Panel: An optional analog
- **C.** Aerodynamic Sash Handle: The aerodynamic
- **D.** Electrical Outlets with Splash-Proof Cover:
- **E.** Maintenance Board Inside: Can be

ADDITIONAL FEATURES

Lining Material Options: Available in phenolic resin

! 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.

Performance & Selection (p.4) Options & Accessories (p.7)

PERFORMANCE

The Purair DUCTED PLUS fume hood is designed to maximize laboratory safety and efficiency. It effectively removes hazardous gases, chemical vapors, and dust to protect personnel, maintain clean air, and reduce the risk of chemical reactions. By providing a stable ventilation environment, it also helps ensure more accurate and reliable experimental results.

DESIGN

Engineered for both safety and usability, Purair DUCTED PLUS fume hood features adjustable airflow and a controlled negative pressure work surface. Its sliding sash design allows easy access while maintaining containment, and its fixed, ducted installation ensures consistent removal of contaminants directly to the facility exhaust system.



SELECTION

Purair DUCTED PLUS sliding sash ducted fume hoods are available in 4 standard sizes.

CONTROL

Purair DUCTED PLUS sliding sash ducted fume hood models are equipped with membrane-style switches.



AFA-500 Low Airflow Alarm



AFA-1000 Advanced Airflow Display and Low Airflow Alarm



- A. Light ON/OFF
- B. Blower ON/OFF
- C. Outlet ON/OFF
- **D.** Mute switch
- **E.** Motor overloading alarm
- F. Emergency stop

SPECIFICATIONS

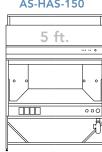
AS-HAS-90



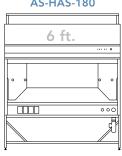
AS-HAS-120

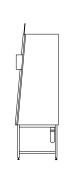


AS-HAS-150



AS-HAS-180





MODEL	LINING MATERIAL	VOLTAGE	LIGHT	OUTLET	DIMENSIONS			WEIGHT (LBS/KG)	
					Internal (W × D × H)	External (W × D × H)	Shipping (W \times D \times H)	Net	Ship
Purair DUCTED PLUS Mod	dels								
3 ft. AS-HAS-90-CA-A 3 ft. AS-HAS-90-CA-B	Phenolic resin Stainless Steel #304	1Φ230V 1Φ115V	T5 21W × 2	115V × 4	31.2" × 24" × 46.6" 795 × 610 × 1184 mm	35.6" × 30.8" × 89.9" 904 × 782 × 2284 mm	43.3" × 33.5" × 76.8" 1100 × 850 × 1950 mm	359 (163)	419 (190)

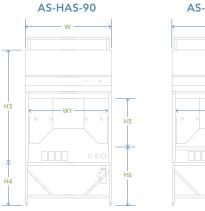
3 ft. AS-HAS-90-CA-B	Stainless Steel #304				795 × 610 × 1164 mm	904 × 762 × 2264 mm	1100 × 650 × 1950 mm		
3 ft. AS-HAS-90-CB-A	Phenolic resin	1Φ230V	T5 21W × 2	230V × 4	31.2" × 24" × 46.6"	35.6" × 30.8" × 89.9"	43.3" × 33.5" × 76.8"	359 (163)	419 (190)
3 ft. AS-HAS-90-CB-B	Stainless Steel #304				795 × 610 × 1184 mm	904 × 782 × 2284 mm	1100 × 850 × 1950 mm		
4 ft. AS-HAS-120-CA-A	Phenolic resin	1Φ230V 1Φ115V	T5 21W × 2	115V × 4	43.1" × 24" × 46.6"	47.4" × 30.8" × 89.9"	55.1" × 33.5" × 76.8"	423 (192)	500 (227
4 ft. AS-HAS-120-CA-B	Stainless Steel #304	142007 141137	102111112	1107 % 4	1095 × 610 × 1184 mm	1204 × 782 × 2284 mm	1400 × 850 × 1950 mm	420 (172)	300 (22)
4 ft. AS-HAS-120-CB-A	Phenolic resin	1Φ230V	T5 21W × 2	230V × 4	43.1" × 24" × 46.6"	47.4" × 30.8" × 89.9"	55.1" × 33.5" × 76.8"	423 (192)	500 (227
4 ft. AS-HAS-120-CB-B	Stainless Steel #304	142300	132100 12	2507 7 4	1095 × 610 × 1184 mm	1204 × 782 × 2284 mm	1400 × 850 × 1950 mm	423 (172)	300 (227
5 ft. AS-HAS-150-CA-A	Phenolic resin	1Φ230V 1Φ115V	T5 28W × 2	115V × 4	54.9" × 24" × 46.6"	59.2126" × 30.8" × 89.9"	66.9" × 33.5" × 76.8"	487 (221)	573 (260
5 ft. AS-HAS-150-CA-B	Stainless Steel #304	142307 141137	13 20 7 7 2	1134 7 4	1395 × 610 × 1184 mm	1504 × 782 × 2284 mm	1700 × 850 × 1950 mm	407 (221)	373 (200
5 ft. AS-HAS-150-CB-A	Phenolic resin	1Φ230V	T5 28W × 2	230V × 4	54.9" × 24" × 46.6"	59.2126" × 30.8" × 89.9"	66.9" × 33.5" × 76.8"	487 (221)	573 (260
5 ft. AS-HAS-150-CB-B	Stainless Steel #304	142300	13 20 7 7 2	2507 7 4	1395 × 610 × 1184 mm	1504 × 782 × 2284 mm	1700 × 850 × 1950 mm	407 (221)	373 (200
6 ft. AS-HAS-180-CA-A	Phenolic resin	1Φ230V 1Φ115V	T5 36W × 2	115V × 4	67" × 24" × 46.6"	71" × 30.8" × 89.9"	78.7" × 33.5" × 76.8"	549 (249)	644 (292
6 ft. AS-HAS-180-CA-B	Stainless Steel #304	1Φ2307 ΙΦ1137	13 3000 ^ 2	1157 × 4	1695 × 610 × 1184 mm	1804 × 782 × 2284 mm	2000 × 850 × 1950 mm	347 (247)	044 (272
6 ft. AS-HAS-180-CB-A	Phenolic resin	1Φ230V	T5 36W × 2	230V × 4	67" × 24" × 46.6"	71" × 30.8" × 89.9"	78.7" × 33.5" × 76.8"	549 (249)	644 (292
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Sliding Sash Ducted Fume Hoods 4 ft. • 5 ft. • 6 ft

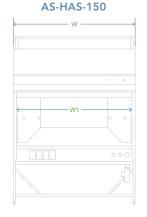
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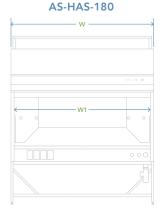
SPECIFICATIONS

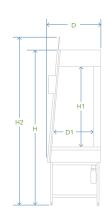
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DETAILED DIMENSIONS							
	Internal Height (H1)	Max Height (H2)	Upper Part Height (H3)	Stand Height (H4)	Sash Opening Height (H5)	Worktop Height (H6)	
Purair DUCTED PLUS Mode	Purair DUCTED PLUS Models						
3 ft. AS-HAS-90-CA-A	46.4"	97.3"	65.1"	24.8"	28.3"	33"	
3 ft. AS-HAS-90-CB-A	1179 mm	2471 mm	1654 mm	630 mm	720 mm	838 mm	
3 ft. AS-HAS-90-CA-B	46.4"	97.3"	65.1"	24.8"	27.8"	33.5"	
3 ft. AS-HAS-90-CB-B	1179 mm	2471 mm	1654 mm	630 mm	705 mm	851 mm	
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OPTIONS & ACCESSORIES

Purair DUCTED PLUS Models	Description	AS-HAS-90-CA-A AS-HAS-90-CA-B AS-HAS-90-CB-A AS-HAS-90-CB-B	AS-HAS-120-CA-A AS-HAS-120-CA-B AS-HAS-120-CB-A AS-HAS-120-CB-B	AS-HAS-150-CA-A AS-HAS-150-CA-B AS-HAS-150-CB-A AS-HAS-150-CB-B	AS-HAS-180-CA-A AS-HAS-180-CA-B AS-HAS-180-CB-A AS-HAS-180-CB-B
Metal Cupboard: Single Door/Left Hand	21.9" × 20.7" × 22.4" 555 × 525 × 570 mm	-	CML-555-AA-A	-	-
Metal Cupboard: Single Door/Right Hand	21.9" × 20.7" × 22.4" 555 × 525 × 570 mm	-	CMR-555-AA-A	-	-
Metal Cupboard: Double Door	27.8" × 20.7" × 22.4" 705 × 525 × 570 mm	-	-	CMD-705-AA-A	-
Metal Cupboard: Double Door	33.7" × 20.7" × 22.4" 855 × 525 × 570 mm	-	-	-	CMD-855-AA-A
Advanced Airflow Display and Low Airflow Alarm	Airflow display and and visual alerts when airflow drops below a safe level	AFA-1000	AFA-1000	AFA-1000	AFA-1000
Low Airflow Alarm Provides audible and visual alerts when airflow drops below a safe level		AFA-500	AFA-500	AFA-500	AFA-500

Safety cabinets are also available for cupboard option.



AS-HAS-150-CA-A with double door metal cupboard



AS-HAS-180-CA-A with safety cabinet

CONTENTS:

Product Overview (p.2) Performance & Selection (p.4) **PurairDUCTED**^{eus}

Sliding Sash Ducted Fume Hoods 4 ft. • 5 ft. • 6 ft OPTIONS &

WARRANTY

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



For details visit the Warranty section m 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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