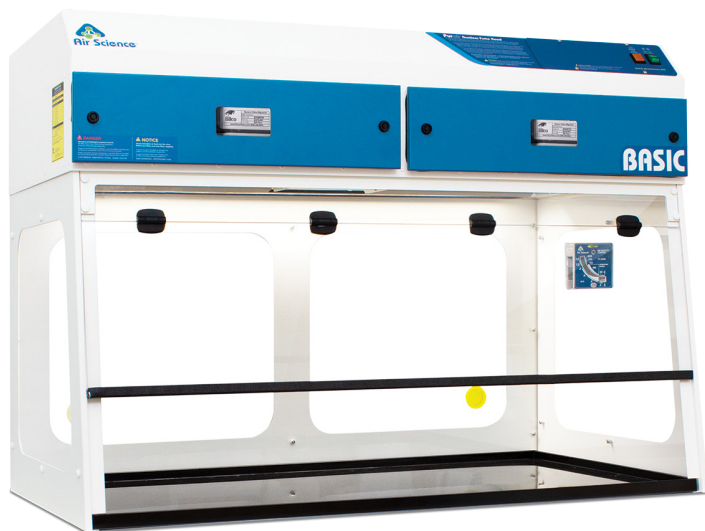


PURAIR P5-48 DUCTLESS FUME CABINETS



TECHNICAL SPECIFICATION

Airflow	478 m ³ /h
Face Velocity	0.5 m/s
Power Consumption	50 watt
Blower	EC blower
Lighting	LED
Construction	White epoxy coated steel frame and head unit. Clear sides and back panel.
Voltage	120 V, 230 V - 50/60 Hz
Electrical Switches	Main On/Off
Monitoring	Low Airflow Alarm
Pre Filter Type	Electrostatic (qty 2)
Main Filter Type	Activated Carbon (qty 2) HEPA (qty 2)
Sound Level	< 60 Db(A)

DESCRIPTION

The Purair P5-48 Ductless Fume Cabinets are compact, ideal for use in laboratory environments where space is limited or where only small volumes of harmful substances are handled. The Basic range offers high level performance features to protect the user and the environment from hazardous vapors and with added HEPA filter.

These cabinets filter out chemical fumes and recycle air directly back to the laboratory, hence can be more convenient, more mobile and could provide energy savings compared to ducted systems.

The Purair Basic Ductless Fume Cabinets are available in 3 standard widths, 2 depths and accommodate the full range of Multiplex™ Filtration Systems options for a wide range of applications - see filtration guide.

P5-48 WITH OPTIONAL STAND



DIMENSIONS

	Model	Internal Height	External (WxDxH)	Weight
P5-48-XT-G	Standard Depth	600 mm	1219 x 676 x 889 mm	63 kg
P5-48-XTS-G	Shallow Depth	600 mm	1219 x 610 x 889 mm	63 kg

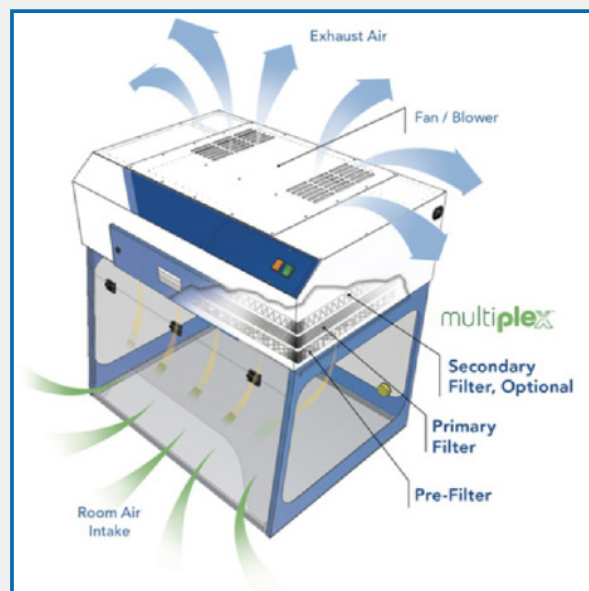
AES OFFER INSTALLATION AND SERVICE SUPPORT FOR ALL EQUIPMENT

PURAIR P5-48 DUCTLESS FUME CABINETS

FEATURES

High efficiency EC Blower.
Energy saving LED lighting.
Low airflow alarm warns of insufficient face velocity.
Unique filter clamping design which eliminates bypass leakage outside the cabinet.
Steel support frame and 360 degree visibility.
Pass through ports for electrical cords/cables.
Hinged Front Sash: when closed the cabinet sash protects the contents from inadvertent external contact and better isolates the air within.
Pre Filter: 91% effective down to 1-3 microns.
Easy to install: no ducting required.
Optional stand available.
Applications include: Sample Prep, Education, Solvent Cleaning, Histology, Soldering, Forensics, Pharmaceutical, Powder Weighing, Dental.

AIRFLOW PATTERN MULTIPLEX FILTRATION SYSTEM



FILTER SUMMARY - SEE CHEMICAL GUIDE FOR FULL DETAILS

- **GP-001:** The most widely used filter in the range, primarily for solvent, organic, hydrocarbons, odours and alcohol removal.
- **EDU-100:** Designed to handle chemicals normally used in a university level chemistry curriculum.
- **ACI-015:** Designed to neutralise volatile inorganic acid vapors.
- **AMM-012:** Removes vapors from dilute ammonia solutions and to remove low molecular weight amines.
- **FOR-013:** Aldehydes. Designed to oxidize formaldehyde and glutaraldehyde fumes.
- **MULTI MIX-110XT:** 60mm thick multi mix combination of the above. Specify combination.
- **HEPA-030:** Powders and particulate.

FILTRATION SYSTEM

At the heart of the Purair product line is an innovative filtration technology.

The **Multiplex Filtration System** consists of a pre-filter, main activated carbon or HEPA filter, and safety activated carbon or HEPA filter. The system permits a customised combination of filter media and configuration for chemical and physical adsorption specific to each application need*.

The Multiplex feature permits one or more filtration options to be combined to meet a wider range of multiple-use applications.

FILTER SUMMARY

Application	Chemical	Powder/Biological	Chemical & Powder	Chemical within Cleanroom
Secondary/Stacked Filter, Optional	C	H	C	H
Primary Filter	C	H	H	C
Pre-Filter	P	P	P	P

P. Electrostatic Pre Filter: Protects the main filters from aerosols, mists, dust and particulates.

C. Activated Carbon Main Filter: A single or stacked filter configuration.

H. HEPA, Optional: Both HEPA filters can use micro-glass fiber media designed to capture fine particles and biologicals. HEPA filter efficiencies are 99.995% at 0.3 microns.

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