

PURAIR ADVANCED P15-XT DUCTLESS FUME CABINET



TECHNICAL SPECIFICATION

Airflow	374 m ³ /h
Face Velocity	0.5 m/s
Power Consumption	39 watt
Blower	EC blower.
Lighting	LED
Construction	White epoxy coated steel frame and head unit. Clear sides and back panel.
Voltage	230 V - 50 Hz
Electrical Switches	Main On/Off
Monitoring	Low Airflow Alarm
Pre Filter Type	Electrostatic (qty 1)
Main Filter Type	Activated Carbon (qty 1) HEPA (qty 1)
Sound Level	< 53 Db(A)

DESCRIPTION

The Purair® Advanced Series ductless fume cupboards are a series of high efficiency products designed to protect the user and the environment from hazardous vapors generated on the work surface. At the heart of the Purair fume cupboard product line is the innovative Multiplex™ Filtration Technology that creates a safe work environment over the widest range of applications in the industry.

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 Advanced Ductless Fume Cabinets are available in 6 standard widths and accommodate the full range of Multiplex™ Filtration Systems options for a wide range of applications - see filtration guide.

P15-XT WITH OPTIONAL STAND



DIMENSIONS

	Model	Internal Height	External (WxDxH)	Weight
P15-XT	Standard	965 mm	991 × 695 × 1346 mm	65 kg

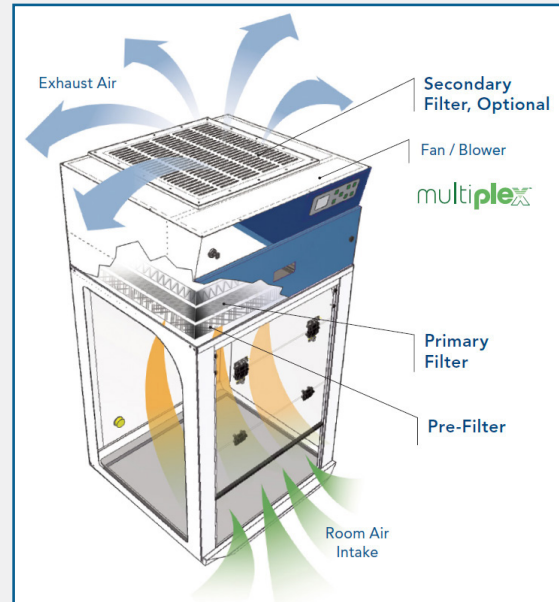
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FEATURES

High efficiency EC Blower
Steel Support Frame: Chemical resistant epoxy coated steel frame adds mechanical strength
High capacity filters for more demanding applications
Unique filter clamping design which eliminates by-pass leakage outside the cabinet
Pre Filter: 91% effective down to 1-3 microns
Energy saving LED lighting
Low airflow alarm warns of insufficient face velocity
Pass through ports for electrical cords/cables
Hinged Front Sash
Easy to install: no ducting required

AIRFLOW PATTERN MULTIPLEX FILTRATION SYSTEM



FILTER SUMMARY - SEE CHEMICAL GUIDE FOR DETAILS

- **GP-001:** Most widely used, primarily for solvent, organic, hydrocarbons, odour 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.
- **ACM-003:** Mercury vapor
- **CYN-017:** Removal of hydrogen cyanide.
- **MULTI MIX-110:** multi mix combination of the above. Specify combination.
- **HEPA-030:** Powders and particulate.
- **HEPA/CARBON-200:** Combination HEPA / CARBON

FILTRATION SYSTEM

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

The **Multiplex Filtration System** consists of a prefilter, 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 (Depth 100mm / 12 – 12.5kg)

H. HEPA, Optional: 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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