

## RX DUCTLESS BALANCE ENCLOSURES



### DESCRIPTION

Purair® RX Class I Balance Enclosure meets USP 800 and USP 795 requirements for non-sterile compounding processes. The Purair RX is designed to protect the user and the environment from hazardous powders and particulates generated on the work surface.

Using innovative filtration technology, the Purair RX creates a safe work environment over the widest range of applications in the industry.

### FEATURES

- High efficiency EC blower.
- Energy saving LED lighting.
- Protects the operator from powder and particle hazards.
- Improved filter clamping eliminates bypass leakage.
- Exhaust canopy allows for thimble ducting to the facility exhaust system.
- Filter blockage alarm.
- Complies with USP 800 and USP 795 guidelines.

### APPLICATIONS

- Balance Enclosures
- Compounding
- Powder Mixing
- Powder Weighing

**RX Range.** Purair RX products are available in 3 standard widths. Each unit is supplied as standard with Resin Tray, PTEG Clear Panels, Waste Chute, 6" OD exhaust collar, pre-filter and ASTS-030 HEPA Main Filter.

**Versatile.** The Purair RX accommodates the full range of Multiplex™ Filtration System options ( ASTS range ). Supplied as standard with Pre-Filter and ASTS-30 HEPA. Carbon filters are available in more than 10 configurations for use with vapors of organic solvents, acids, mercury and formaldehyde. Secondary HEPA filter can be added for biological safety.

**Easy to Install.** The ductless fume hood is self-contained and does not require venting to the outside. Many units are portable and may be moved with minimal downtime and without filter changes. Set-up, operation and filter maintenance are straightforward.

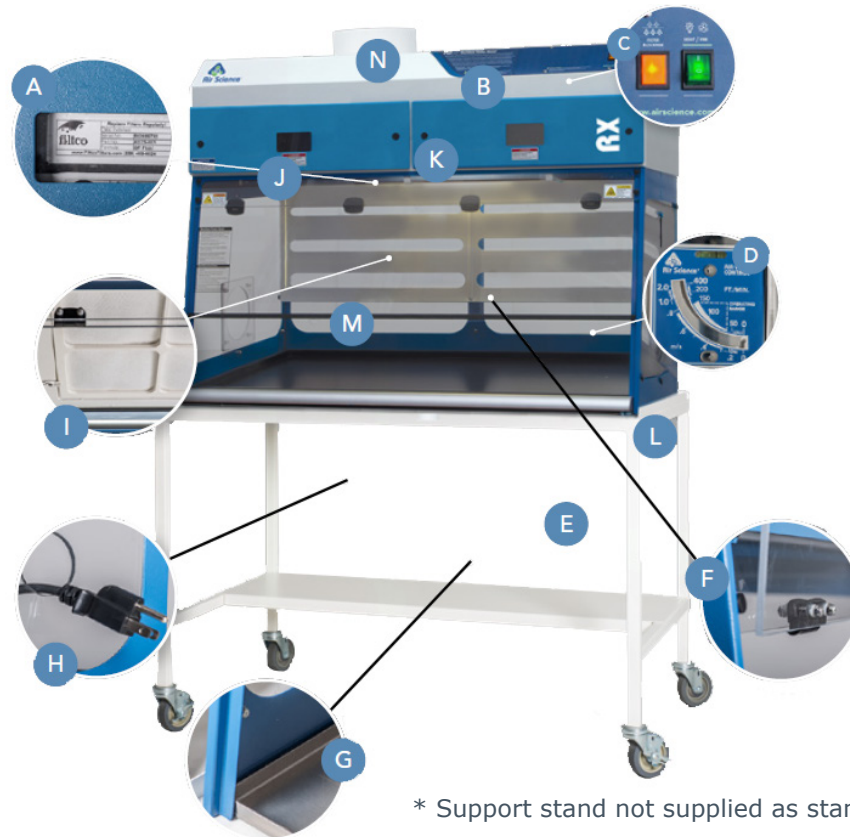
**Energy Efficient.** Because filtered air is returned to the room, no demands are required of the facility HVAC capacity for make-up air.

**Cost Effective.** Facility ductwork, HVAC and construction costs are eliminated.

**Safe to Use.** Cabinet airflow and face velocity protect users from incidental exposures to fumes.

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\* Support stand not supplied as standard.

**A. Filter I.D. Window:** A convenient, strategically placed front cover window shows the installed filter part number and installation date to encourage timely filter replacement.

**B. Control Panel:** Electronic controls and displays include switches for the blower and filter blockage alarm.

**C. Filter Blockage Alarm:** Continuously monitors filter loading and alerts user when service is needed.

**D. Air Velometer:** An optional analog air velocity meter is positioned in the user's field of vision.

**E. Optional support stand available, see accessories.**

**F. 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.

**G. Work Surface:** The internal work surface is fitted with a standard black resin spill tray. An optional stainless steel tray is also available, see accessories.

**H. Pass Through Ports:** Electrical cords and cables are safely routed into the cabinet through ports on the back.

**I. Electrostatic Pre-Filter:** The electrostatic pre-filter is accessible from inside the chamber and 91% effective down to 1-3 microns.

**J. Filter Door Key:** Filter access keys prevent unauthorized removal or accidental exposure to dirty filters.

**K. Internal Manual Speed Controller:** Authorized personnel may set the EC blower speed as desired.

**L. Side Waste Chutes:** 6" diameter side waste chutes safely transfer waste from the work surface to the proper disposal receptacle.

**M. Rear Internal Baffle:** Rear baffle provides smooth horizontal airflow pattern. Removable for easy cleaning.

**N. External Exhaust Connection:** Standard 6 in. diameter exhaust connection port to allow for outside ducting if preferred. USP 800 compliant.2

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## RX DUCTLESS BALANCE ENCLOSURES

### TECHNICAL SPECIFICATIONS

Model	Internal Height	External (W × D × H)	Shipping (W × D × H)	Net	Ship
P5-24-XT (RX)	600 mm	610 × 676 × 889 mm	1016 × 1016 × 1016 mm	33 kg	68 kg
P5-36-XT (RX)	600 mm	914 × 676 × 889 mm	1016 × 1016 × 1016 mm	45 kg	77 kg
P5-48-XT (RX)	600 mm	1219 × 676 × 889 mm	1397 × 1016 × 1143 mm	63 kg	104 kg

Model	P5-24-XT (RX)	P5-36-XT (RX)	P5-48-XT (RX)
Face Velocity	0.5 m/s	0.5 m/s	0.5 m/s
Finish	White epoxy coated steel frame and head unit. Clear sides and back panel. Black resin spill tray.		
Blower	EC blower		
Controls	Main On/Off		
Electrical	230V, 50Hz voltage		
Monitoring	Filter blockage alarm, standard.		
Power Consumption*	22 watt	34 watt	50 watt
Lighting	LED		

\* All measurements are with Filter Type ASTS-030.

### FILTRATION

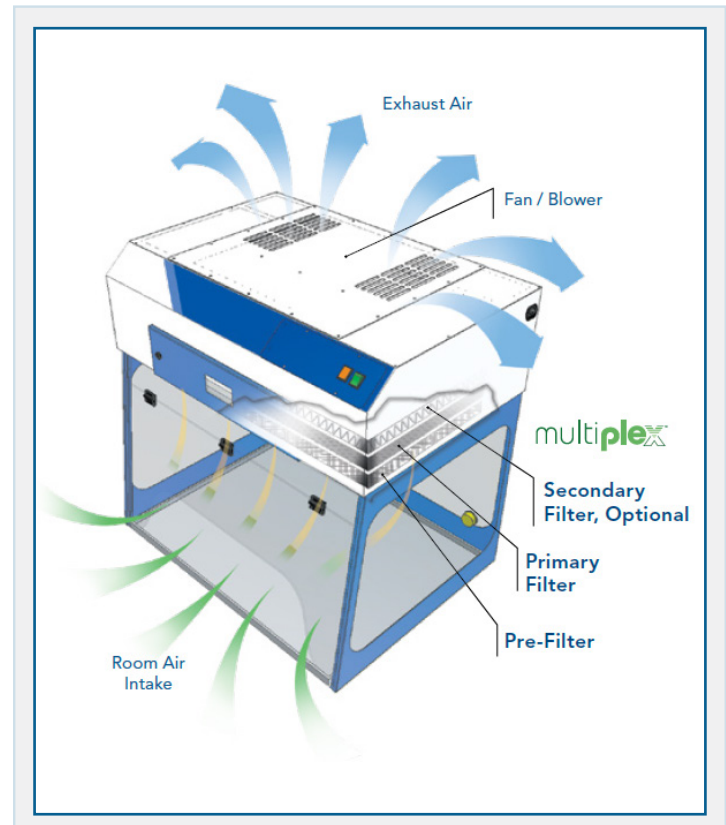
The Multiplex feature permits one or more filtration options to be combined to meet a wider range of multiple-use applications. The RX is supplied as standard with Pre-Filter + ASTS-30 HEPA - can be equipped with a single activated carbon main filter or with a stacked configuration which combines two main filters

#### MULTIPLEX FILTRATION SYSTEM, 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

The system can be configured for the capture of acids, bases and particulates, such as biological aerosols, when paired with HEPA or ULPA filters.

- 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 Filter: micro-glass fiber media designed to capture fine particles and biologicals.



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