



Air Science® Purair® ADVANCED Series Ductless Fume Hood, 3'

Description: The Purair® ADVANCED Series ductless fume hoods are designed to protect the user and the environment from hazardous vapors generated on the work surface. Using innovative filtration technology, the Purair ADVANCED creates a safe work environment over the widest range of applications in the industry. The Multiplex Filtration System permits a customized combination of pre-filters, main filter, and secondary filter, to provide a solution specific to each application needed. When used with a HEPA filter, the ductless fume hood may be applied as a Class I Biological Safety Cabinet.

**Note: Filters and base stand not included. Sold separately.

Features:

- **Filter I.D. Window:** A convenient, strategically placed front cover window shows the installed filter part number and installation date for convenience and to encourage timely filter placement.
- **Control Panel:** Electronic controls and displays include switches for the blower and filter blockage alarm.
- **Filter Blockage Alarm:** Continuously monitors filter loading and alerts user when service is needed.
- **Air Velometer:** An analog air velocity meter is positioned in the user's field of vision.
- **Steel Support Frame:** The chemical resistant epoxy coated steel frame adds mechanical strength.
- **Hinged Front Sash:** When closed, the cabinet sash protects the contents from inadvertent external contact and better isolated the air within. The sash is easy to open and close.
- **Pass-Through Ports:** Electrical cords and cables are safely routed into the cabinet through ports on the back.

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- **Electrostatic Pre-Filter:** The electrostatic pre-filter is accessible from inside the chamber and 91% effective down to 1-3 microns.
- **Filter Door Key:** Filter access keys prevent unauthorized removal or accidental exposure to dirty filters.
- **Dynamic Filtration Chamber:** The dynamic filter chamber prevents any possible leakage of contaminated air by pressurizing the fan plenum (positive air) and depressuring the filter compartment (negative air).
- **Internal Manual Speed Controller:** Authorized personnel may set the EC motor speed as desired.
- **Air Sampling Port:** A filtered air sampling port allows manual filter monitoring.
- **Track & Wheel System:** The filter glides in on a wheel and track system, then clamps tightly against the filter gasket to prevent filter tears and maintain filter integrity.
- **360 Degree Visibility:** Clear back and side panels allow ambient light into the chamber and provide users with an unobstructed view of its contents.

Technical Specifications:

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| Weight (kg/lb) | 64.0 / 141.0 |
| External Dimensions : W x D x H (cm/in) | 86.4 x 69.5 x 134.6 / 34.0 x 27.4 x 53.0 |
| Electrical | 120 V, 60 Hz |
| Face Velocity (fpm) | 100.0 |
| Airflow Monitor | Filter Blockage Alarm |
| Blower Requirements | EC Blower |
| Lighting | LED |
| Internal Height (cm/in) | 96.5 / 38.0 |
| Conformance | UL – C 61010-1 CAN/CSA C22.2 61010-1-12 EN 61010-1 :2010 |

Associated Products:

- **Base Stand:** Contact Account Representative
- **Pre-filter:** Contact Account Representative
- **Main Filter(s):** 5988 – Air Science® Purair® ADVANCED Primary HEPA Filter
- **Secondary Filter(s):** 7045 – Air Science® Purair® BASIC and RX Series HEPA Filter

Warranty: Limited Legacy Lifetime

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