

PURAIR DUCTLESS FUME HOODS

PURAIR 10, 10XL, 15, 20, 25, 30, 40

PROVIDES OPERATOR SAFETY

Exceeds OSHA, ANSI and all relevant international standards

FEATURES

- High operator protection to fume and particle hazards
- Easy to change filters
- Improved clamping eliminates by-pass leakage
- Low airflow alarm
- Optional back up safety filter
- High capacity



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AIR SCIENCE USA



Made in the USA

PURAIR DUCTLESS FUME HOODS

PROBABLY THE SAFEST IN THE WORLD



PURAIR 20



PURAIR 10XL



PURAIR 25

Purair 10, 15, 30 & 40 are not shown

INTRODUCTION

The Purair range of ductless fume hoods have been designed to provide operator protection when using hazardous substances.

A face velocity at 100 fpm ensures containment of fumes and an alarm will alert the operator when the airflow falls to an unacceptable level.

All mechanisms in the head section of the Purair are on the clean side of the filter, thus preventing contamination.

Switches and electrical components are totally isolated from the dirty airflow and away from any contamination.

The work area has a removable spillage tray which can be easily cleaned. Optional integral lighting is available.

FILTER SELECTION

The main filter can be chosen from 14 different types of carbon, which include specialty media for vapors of organics, solvents, acids, mercury and formaldehyde. HEPA filters for particulate filtration are also available to suit your application needs. In addition, the Purair can be equipped with a secondary back-up filter for added protection. This filter is required by US standard ANSI Z9.5 section 4.12 4.2.

TYPICAL APPLICATIONS

Typical applications include weighing, chemical sampling, histology, forensic and pharmaceutical.

EFFICIENT AND ECONOMICAL

These units are energy saving. Clean air is recirculated into the laboratory, therefore, they do not exhaust expensive conditioned and/or heated air into the atmosphere.

FILTER I.D. WINDOW

Ensures correct filter installation and its replacement date



SAFETY FILTER

Optional safety filter exceeding ANSI/AIHA Z9.5 requirements

INTEGRAL PORT

An integral test port allows manual filter monitoring



AIR VELOMETER

Continuous monitoring system of air velocity located in the vision field of the user

360° VISIBILITY

Clear back and side panels for 360 degree visibility



PASS THROUGH PORTS

Cable pass through ports allow electrical cords to enter the workzone



MOBILE CART

The optional mobile cart has convenient lower shelf and can accommodate wheelchair access



BASE CABINET

The optional base cabinet can be used to store chemicals and includes a cup sink, swan neck faucet, and service fixtures

CONTROL PANEL

Easy to use control panel includes switch for blower, lights, an electronic hour counter, low airflow alarm, and optional filter saturation alarm

ENHANCED OPERATOR SAFETY

Pre-filter is changed from inside the enclosure preventing any particulate hazards



STEEL SUPPORT FRAME

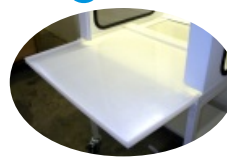
Chemical resistant epoxy coated steel superstructure for unsurpassed strength in case of accidental fire, earthquake, or knocks and bumps (polypropylene also available)

GOOD ACCESS

Double hinged self locking front sash

OPTIONAL SPILLAGE TRAY

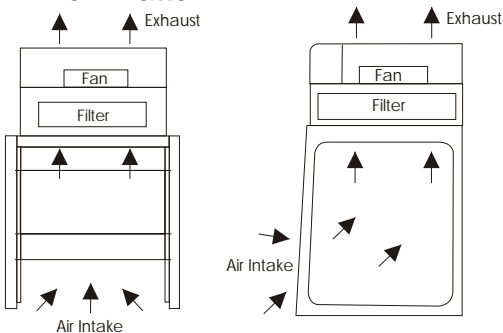
The optional spillage tray slides out for easy cleaning (available in white or black).



OPTIONAL MONITAIR CONTROLLER

The optional monitair is a microprocessor controller that monitors all cabinet safety parameters including airflow, containment, and filter condition. Audio and visual alarms alert the operator whenever any operating conditions become unsafe.

Purair Air Flow Pattern



PART OF AIR SCIENCE USA'S COMMITMENT TO
PROTECTING PEOPLE AND THE ENVIRONMENT.

Air Science USA has always been at the forefront of contamination, chemical hazards and pollution control. We are leaders in High Efficiency Particulate Air (HEPA) filters and Activated Carbon Filtration for the containment of hazardous substances thus protecting both the environment and the operator. Utilizing advanced filtration techniques, Air Science USA's products not only achieve but generally surpass legal requirements.

SPECIFICATIONS	<i>Purair 10</i>	<i>Purair10XL</i>	<i>Purair 15</i>	<i>Purair 20</i>	<i>Purair 25</i>	<i>Purair 30</i>
Airflow (CFM)	145	145	220	295	365	440
Face Velocity (FPM)	100	100	100	100	100	100
Lighting	2 x 15watts	2 x 15watts	2 x 15watts	2 x 15watts	2 x 15watts	2 X 15watts
Noise (1m from unit)	<50dBA	<50dBA	<53dBA	<53dBA	<53dBA	<56dBA
Width/Depth/Height(")	29.5x27.5x47.5	34x27.5x47.5	39x27.5x47.5	49x27.5x47.5	59x27.5x47.5	69 x 27.5 x 47.5
W x D x H (mm)	750x700x1210	868x700x1210	1000x700x1210	1250x700x1210	1500x700x1210	1750x700x1210
FILTERS	<i>Purair 10</i>	<i>Purair10XL</i>	<i>Purair 15</i>	<i>Purair 20</i>	<i>Purair 25</i>	<i>Purair 30</i>
Weight main filter	1 x 22lbs	1 x 22lbs	1 x 22lbs	2 x 22lbs	2 x 22lbs	2 x 22lbs
Weight safety filter	1 x 11lbs	1 x 11lbs	1 x 11lbs	2 x 11lbs	2 x 11lbs	2 x 11lbs
Pre-filter (Electrostatic)	Filter efficiencies superior to 99.6%					

All UNITS

Construction	Epoxy coated mild steel frame & head unit
Color	White
Color	Back panel - Clear
Color	Side panel - Clear
Spillage Tray	Polypropylene (optional)
Fan	Centrifugal

ELECTRICAL

Supply	110v 60Hz single phase (other voltages available on request)
Switches	Mains on/off
Monitoring	Low Airflow

OPTIONS

Internal lights/Safety exhaust filter/Electronic filter saturation alarm/Spillage tray

For advice on filter selection call
Air Science USA 800.306.0656.

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