

# HEPA-AIRE® Portable Air Scrubber

## Model PAS2400HC: The World's Most Portable 2,000CFM System

### POWER TO SPARE

The PAS2400HC is designed to handle the toughest healthcare projects with power to spare. Its powerful high speed 1.5 horsepower motor and unique AT Gold™ backward-curved blower can overcome 60% higher static resistance than typical '2,000 cfm' negative air units and other systems equipped with cheaper squirrel-cage blowers. This added vacuum power enables the PAS2400HC to continue to generate substantially more airflow as filters load, significantly extending useful filter life.

### PORTABLE & MANEUVERABLE

The upright, two-module PAS2400HC weighs only 170 pounds, and the main module has most of the weight concentrated directly over the rear axle. This perfect weight balance and the upright design enable the operator to almost effortlessly tilt it back and wheel it to the work area on its built-in transport dolly. The upper prefilter module can also be quickly and easily detached and hand carried to lighten the load further. The narrow profile, front swivel casters, and built-in stair climber system further enhance portability and maneuverability.

### EFFICIENT & EFFECTIVE FILTRATION

The PAS2400HC can be equipped with up to four stages of progressively efficient filters. Three stages are standard equipment; the fourth is optional.

**Stage 1:** An inexpensive, one-inch deep Fiber-Trapper® prefilter captures larger particulates (100 microns or larger) and extend the life of the subsequent filters. This filter has excellent dirt-holding capacity. It can be washed and reused, or treated as a disposable.

**Stage 2:** A two-inch deep pleated particulate filter captures most of the remaining visible contaminants. This filter also has high dirt-holding capacity, and a MERV 6 efficiency rating under ASHRAE 52.2.

**Stage 3:** An optional two-inch deep Fiber-Trapper® carbon filter removes odors and many common VOC (volatile organic compounds) from the airstream. The specially formulated high-capacity carbon media provides substantially more capacity than standard carbon filters. A layer of prefilter media captures visible particles that pass through the pleated filter.

**Stage 4:** An IEST and CDC-compliant metal-frame HEPA filter. Each completed HEPA is tested with a 0.3-micron test aerosol in accordance with IEST-RP-CC001.3 requirements for Type A HEPA filters, and certified to an efficiency of 99.97% or higher.

These filters meet UL900 Class I or Class II flammability requirements.

### ECONOMICAL TO OPERATE

PAS2400HC users often find that they can save thousands of dollars in replacement filter costs over the life of the unit, due to three main factors: the exceptional power of the unique motor/blower combination; the high dirt-holding capacity of the filters; and, economical replacement filter prices.

### ETL CERTIFIED FOR 115V/15A CIRCUITS

Why settle for a portable air filtration system that is not tested and listed by UL, ETL, CSA, or any other Nationally Recognized Testing Laboratory (NRTL), as required under U.S. (OSHA) and Canadian regulations? The PAS2400 is tested and certified by Environmental Testing Laboratories (ETL) for safe operation on 115V/15A circuits. With amperage draw of 12 amps or less, it may be the only 2,000cfm+ air scrubber certified for safe use even on 15-ampere circuits.



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# Features of the PAS2400HC

## FEATURES

- Two-speed motor
- Peak airflow 2,100 cfm high / 700 cfm low
- High quality stainless steel cabinet
- Two-module design
- Main module weight just 135 pounds
- ETL & ETLIC electrical safety certification
- Solid rivet 'aircraft' construction
- Closed cell neoprene gaskets in critical seams
- 'Zero Bypass' cabinet design
- Hinged, 'no tools' prefilter access
- Separate shelves for each prefilter
- True HEPA filter, 99.97% efficiency tested & certified
- Metal HEPA frames meet CDC infection control guidelines
- 10" diameter rear wheels with smooth, non-marking tires
- Front casters swivel 360° for tight turns
- Modular control panel with one-plug removal
- Flex duct available but not included with the unit



PAS2400HC shown with H1980P manifold mounted on the inlet grill. The manifold also mounts onto the exhaust grill.

## CONTROL PANEL FEATURES

- Speed control switch
- Green 'Unit On' indicator lamp
- 'Replace Prefilter' indicator lamp
- 'Replace HEPA' indicator lamp
- GFCI-protected
- Hour meter



**Note: The PAS2400HC comes equipped with three filter stages, a molded inlet/outlet manifold for attaching flex duct, and a locking clamp to attach flex duct.**

\* PERFORMANCE RATINGS ARE BASED UPON THE USE OF ABATEMENT TECHNOLOGIES' ORIGINAL FILTERS. SUBSTITUTION OF OTHER FILTER BRANDS VOIDS THE PRODUCT WARRANTY AND ALL PERFORMANCE CLAIMS. AIRFLOW TESTING IS CONDUCTED WITH A VANE ANEMOMETER OR HOT PROBE TRAVERSE WITH CLEAN FILTERS AND NO DUCTING OR OTHER ATTACHMENTS. RATINGS ARE AT 120 VOLTS AC DELIVERED TO THE MOTOR. OTHER CONDITIONS OR TEST METHODS MAY PRODUCE DIFFERING RESULTS.

\*\* Abatement Technologies' HEPA filters are individually tested & certified to ensure that the completed filter provides an overall minimum efficiency of 99.97% when challenged by a thermally generated test aerosol 0.3 microns in size, in accordance with IEST-PP-CC001.3

## Abatement Technologies HEPA-AIRE® Portable Air Scrubbers: Performance & Specifications

	<b>PAS600HC</b>	<b>PAS1200HC</b>	<b>PAS2400HC</b>
<b>AIRFLOW*:</b>	50 - 600 cfm	150 - 900 cfm	700 - 2100 cfm
<b>PEAK AIR CHANGES PER HOUR (ACH):</b>	6 ACH @ 6,000 ft <sup>3</sup>	6 ACH @ 9,000 ft <sup>3</sup>	6 ACH @ 21,000 ft <sup>3</sup>
<b>ELECTRICAL REQUIREMENTS:</b>	120 volt/15 ampere/60 Hz	120 volt/15 ampere/60 Hz	120 volt/15 ampere/60 Hz
<b>NORMAL OPERATING AMPS:</b>	2.4 amp draw or less @ 600 cfm. Up to 5 units daisy-chain on one 15 ampere circuit	3.5 amp draw or less @ 1,000 cfm. Up to 3 units daisy-chain on one 15 ampere circuit	12 amp draw or less
<b>BUILT-IN CIRCUIT BREAKER:</b>	12 amps	10 amps	15 amps
<b>MOTORIZED IMPELLER:</b>	215 watt motorized impeller w/thermal overload protection & auto reset & designed for 100,000 hours maintenance free operation	400 watt motorized impeller w/ thermal overload protection & auto reset & designed for 100,000 hours maintenance free operation	1.5 hp motorized impeller w/thermal overload protection & auto reset & designed for 100,000 hours maintenance free operation
<b>CABINTRY:</b>	20 gauge stainless steel aircraft construction with solid rivets	20 gauge stainless steel aircraft construction with solid rivets	20 gauge stainless steel aircraft construction with solid rivets
<b>TRANSPORTABILITY:</b>	Two top lift handles or optional caster cart; multiple units stack and nest on a two-wheel dolly	Two-wheel dolly consisting of 8" solid, non-marking rubber rear wheels, 360° swivel front casters and a secure top handle for easy movement & control	Built-in dolly with handle, 2 ea. 10" rear wheels with solid, non-marking rubber tires & 2 ea. 360° swivel casters in front
<b>SURFACE PROTECTION:</b>	Attached rubber feet	Non-marking wheels and casters	Non-marking wheels and casters
<b>FILTERS:</b>			
Stage 1 Pre-Filter	Inexpensive, high-capacity 1" FIBER-TRAPPER® 1.0 pre-filter for large particulates; can be washed & reused, or treated as a disposable (MERV 4)	Inexpensive, 1" filter for capturing large particulates; can be washed & reused, or treated as a disposable (MERV 4)	1" coarse particulate pre-filter (MERV 4)
Stage 2 Pre-Filter	2" pleated particulate pre-filter (MERV 6)	2" pleated filter to capture medium-sized particulates (MERV 6)	2" pleated particulate pre-filter (MERV 6)
Optional Stage 2 (not included with unit)	2" high-capacity VAPOR-LOCK® carbon filter for odor removal (MERV 7)	N/A	N/A
Optional Stage 3 (not included with unit)	N/A	2" high-capacity VAPOR-LOCK® carbon filter for odor removal (MERV 7)	2" VAPOR-LOCK® high-capacity carbon filter pack to remove odors or a second Stage 2 particulate pre-filter (MERV 7)
Final Stage HEPA Filter	True, non-electrostatic HEPA filter tested & certified to a minimum efficiency of 99.97% @ 0.3 microns	True, non-electrostatic HEPA filter tested & certified to a minimum efficiency of 99.97% @ 0.3 microns	True, non-electrostatic HEPA filter tested & certified to a minimum efficiency of 99.97% @ 0.3 microns
<b>INDIVIDUAL PRE-FILTER MOUNTING SHELVES:</b>	No	Yes	Yes
<b>WEIGHT and DIMENSIONS:</b>			
Net Weight with Filters	46 lbs.	85 lbs.	170 lbs.
Overall Dimensions	28"L x 16.25"W x 17.5"H	19.25"L x 22"W x 39"H	31.5"L x 25.25"W x 49.75"H
<b>ELECTRICAL CONTROLS:</b>			
Dual GFCI-Protected Receptacles	Yes, for daisy-chaining up to 5 units per 15 amp circuit & 6 units per 20 amp circuit	Yes, for daisy-chaining up to 3 units per 15 amp circuit & 4 units per 20 amp circuit	No
Green "Power On" Visual Indicator Lamp	Yes	Yes	Yes
Operating Hour Meter	No	Yes	Yes
Speed Control Switch	Variable	Variable	Two Speeds
*Airflow ratings are based on third party testing conducted @ 120 VAC with clean filters in accordance with generally accepted testing methods using highly accurate electronic flow measurement equipment. Different testing methods may produce higher or lower results. Ratings have been rounded off to the nearest 50 cfm for convenience.			