

HEPA-AIRE® Model PAS1200HC Portable Air Scrubber

The compact, upright design of the lightweight (85 lbs) PAS1200HC model enables it to fit easily into very small spaces inaccessible to negative air machines or other larger units. This capability makes it especially well suited for facilities or contractors looking to standardize on one model to handle a wide range of projects. While this may sometimes require more units for larger projects than the more powerful HEPA-AIRE PAS models, it provides advantages on smaller jobs in confined or cramped areas.

The PAS1200HC uses a special backward-curved blower and high-speed motor to pull pollutants through up to four stages of filtration. Variable speed controls (300cfm to almost 900cfm) enable the user to “tune in” the precise airflow required for each job more accurately than with one or two-speed units. At top speed it can provide up to 6 ACH @ 7,500-9,000 ft³.

Stage 1: An inexpensive, high-capacity 1” deep Fiber-Trapper® prefilter for large particulates that can be washed and reused or treated as a disposable.

Stage 2: A 2”-deep pleated prefilter with ASHRAE MERV 6 efficiency.

Stage 3: : A 2”-deep high-capacity Vapor-Lock® carbon filter for gases, odors & VOC (optional).

Stage 4: An IEST compliant metal-frame HEPA filter, with minimum efficiency of 99.97% @ 0.3 microns.

The PAS1200HC is easily tilted back onto its built-in dolly with 8” diameter, rear wheels, and rolled to where it is needed. It “turns on a dime” in tight spaces on its front swivel casters. The offset rear wheels make it easy to move up or down stairs.

The recessed control panel features a full array of controls, including: a variable speed control knob; power on (green) indicator lamp; dual filter change (amber) indicator lamps; pop-out circuit breaker; and operating hour meter.

FEATURES

- Variable airflow, 300-900 cfm
- High quality stainless steel cabinet
- ETL electrical safety certification to U.S. & Canada standards
- Solid rivet aircraft construction
- Closed cell neoprene gaskets in critical seams
- ‘Zero Bypass’ cabinet design
- Each HEPA filter is tested and certified to a minimum efficiency of 99.97% @ 0.3 microns per IEST-RP-CC001.3
- Metal HEPA frames meet CDC infection-control guidelines
- 8” diameter rear wheels, with smooth, non-marking rubber tires
- Front casters that swivel 360°
- Recessed and sealed control panel
- Modular panel design with one-plug removal
- Flex duct available separately (not included)



CONTROL PANEL FEATURES

- Variable speed control
- ‘Power On’ indicator lamp
- ‘Replace Prefilter’ indicator lamp
- ‘Replace HEPA’ indicator lamp
- Hour meter
- 10’ hard-wired power cord

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

	PAS600HC	PAS1200HC	PAS2400HC
AIRFLOW*:	50 - 600 cfm	150 - 900 cfm	700 - 2100 cfm
PEAK AIR CHANGES PER HOUR (ACH):	6 ACH @ 6,000 ft ³	6 ACH @ 9,000 ft ³	6 ACH @ 21,000 ft ³
ELECTRICAL REQUIREMENTS:	120 volt/15 ampere/60 Hz	120 volt/15 ampere/60 Hz	120 volt/15 ampere/60 Hz
NORMAL OPERATING AMPS:	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
BUILT-IN CIRCUIT BREAKER:	12 amps	10 amps	15 amps
MOTORIZED IMPELLER:	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
CABINTRY:	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
TRANSPORTABILITY:	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
SURFACE PROTECTION:	Attached rubber feet	Non-marking wheels and casters	Non-marking wheels and casters
FILTERS:			
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
INDIVIDUAL PRE-FILTER MOUNTING SHELVES:	No	Yes	Yes
WEIGHT and DIMENSIONS:			
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
ELECTRICAL CONTROLS:			
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.			