

# HEPA-AIRE® Model PAS1800HC Portable Air Scrubber

## PORTABLE

The 138-pound PAS1800HC is our most economical Portable Air Scrubber model on a "cost per cfm" basis. This exceptionally maneuverable upright 'no frills' unit is a much more user-friendly upgrade from larger and heavier negative air machines. Built-in portability features include a convenient transport dolly that enables one person to tilt back the PAS1800HC and move it almost effortlessly and noiselessly through the facility. The dolly and other portability features also provide the ability to turn the unit "on a dime" in tight spaces, roll it easily up or down stairs, and protect against floor damage.

## POWERFUL

The two-speed, 1.75 horsepower motor enables the PAS1800HC to produce much higher airflow (1,800cfm at high speed, & 1,000cfm at low speed) than any other product of its size. This performance allows optimal air cleaning and negative pressure on larger projects, with up to 6 ACH in a 14,400 cubic foot area (40' x 32' x 10'). The low-speed setting enables the unit to also be used in smaller work areas and for quieter operation in occupied facilities.

## EFFICIENT & ECONOMICAL

The PAS1800HC comes equipped with up to two filter stages. A third stage is optional, and filter change indicator lamps eliminate the guesswork about when to replace filters. This unit has two lamps, one for the prefilters and one for the HEPA.

**Stage 1:** An inexpensive 2"-deep Fiber-Trapper® prefilter, with excellent dirt-holding capacity, designed to capture larger particulates. This filter can be washed and reused, or treated as a disposable.

**Stage 2:** A pleated particulate filter or a Vapor-Lock® carbon filter can be placed after the first stage prefilter. Both are optional and must be purchased separately.

**Stage 3:** A true Type A HEPA filter, tested and certified to a minimum capture efficiency of 99.97% against a 0.3-micron test aerosol.

Because the filters are economically priced and designed to hold more contaminants and last longer, users can save hundreds or thousands of dollars a year in replacement filter costs.

## IMPRESSIVE AND RELIABLE

The PAS1800HC may have fewer "bells and whistles" than our deluxe PAS1200HC and PAS2400HC models, but it is designed and manufactured to the same high quality standards, attention to detail and workmanship. The tough stainless steel cabinetry is attractive and impressive, easy to clean, and designed to keep looking good even after years of on the job use. Aircraft-type solid rivet construction and closed-cell neoprene gaskets between critical seams further ensure cabinet integrity.

## FEATURES

- Two speed, peak airflow 1,800cfm (H), 1,000cfm (L)
- Attractive & Durable Stainless Steel Cabinet
- ETL certified to meet U.S. & Canada electrical safety requirements
- CDC-compliant metal frame 99.97% HEPA filter
- Each HEPA efficiency tested & certified to IEST-RP-CC001.3
- All filters meet UL Class I or UL Class II flammability requirements
- 8" rear wheels have smooth, non-marking tires instead of hard casters
- Front 360° swivel casters for tight turns (no hard posts)
- Recessed control panel with modular, one-plug connection
- Flex duct and optional 2<sup>nd</sup> stage filters must be ordered separately



### CONTROL PANEL FEATURES

- 'Replace Prefilter' indicator lamp
- 'Replace HEPA' indicator lamp
- Hour meter
- Male power receptacle

 **ABATEMENT**  
**TECHNOLOGIES**  
Technologically Advanced Air Purification Products

United States: 800.634.9091

Canada: 800.827.6443

[www.abatement.com](http://www.abatement.com)

605 Satellite Blvd., Suite 300, Suwanee, GA 30024  
PHONE 678.889.4200 FAX 678.889.4201

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# HEPA-AIRE® Portable Air Scrubber Combined Specifications

	PAS2400	PAS1800	PAS1200	PAS600
NRTL Certified To OSHA/CSA Elec. Safety Requirements	Yes (ETL)	Yes (ETL)	Yes (ETL)	Yes (ETL)
Dimensions L,W,H (Inches)	31.5 x 25.25 x 49.75	21.5 x 24.5 x 41.5	19.25 x 22 x 39	27.75 x 16 x 17.125
Weight, Includes Filters	170 lbs	138 lbs	85 lbs	46 lbs
Airflow Range*	700-2100 2-Speed	1000-1800 2-Speed	150-900 Variable	50-600 Variable
Maximum Area For 6 ACH	20,000 cu. ft.	16,200 cu. ft.	8,000 cu. ft.	5,000 cu. ft.
Maximum Static	6.0" w.g.	3.5" w.g.	3.5" w.g.	2.2" w.g.
Cabinet Material	20 Gauge Stainless Steel	20 Gauge Stainless Steel	20 Gauge Stainless Steel	20 Gauge Stainless Steel
Solid Rivet Construction	Yes	Yes	Yes	Yes
Power Consumption @ 115v / 60Hz	<12 amps	<10 amps	<4 amps	<2 amps
<b>Filtration Stages</b>	<b>3-4</b>	<b>2-3</b>	<b>3-4</b>	<b>4</b>
1st Stage Filter	1" Particulate	2" Particulate	1" Particulate	1" Particulate
2nd Stage Filter	2" Pleated	Optional 2" Pleated	2" Pleated	2-Layer / 2-Stage B Pleated / Carbon
3rd Stage Filter	2" Vapor-Lock Carbon (Optional)	2" Vapor-Lock Carbon (Optional)	2" Vapor-Lock Carbon (Optional)	
4th Stage Filter	99.97% HEPA** Metal Frame	99.97% HEPA** Metal Frame	99.97% HEPA** Metal Frame	99.97% HEPA** Metal Frame
Integral Transport Dolly	Yes, With Stair Climbers	Yes	Yes	Carrying Handles (2) (Optional Caster Cart)
Hour Meter	Yes	Yes	Yes	No
"No Tools" Prefilter Access	Yes	Yes	Yes	Yes
Rear Wheels	10" Dia. Smooth, Non-Marking Tires	8" Dia. Smooth, Non-Marking Tires	8" Dia. Smooth, Non-Marking Tires	Plastic Feet Std. (Optional Caster Cart)
Front Wheels	3" Dia. 360° Swivel Casters	3" Dia. 360° Swivel Casters	3" Dia. 360° Swivel Casters	Plastic Feet Std. (Optional Caster Cart)
Intake Collar	Yes, 12" Diameter	Yes, 12" Diameter	Yes, 10" Diameter	Optional Inlet Section w/ 8" Collar
Exhaust Collar	Yes, 12" Diameter	Yes, 12" Diameter	Yes, 10" Diameter	Yes, 8" Diameter

**Note: The PAS1800HC comes equipped with 12" diameter inlet and outlet collars, a 12" locking clamp, and an H2092-25 12/3AWG power cord (25').**

\* 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-RP-CC001.3