

STERLING

HEPA Air Scrubber

(HEPAPro AS800)



The HEPAPro AS800 is a compact, portable HEPA Air Scrubber for abatement, restoration, and construction projects. It is commercial, yet lightweight machine that is easy to carry, transport and store. The unit has a 22" x 24" footprint, stands only 14" tall and weighs less than 35 lbs.

HEPAPro AS800 offers variable airflow, up to 800 CFM, that can be directed both vertically or horizontally. It accepts a 16" inlet flex duct and a 10" lay flat outlet duct. The unit operates at less than two amps of power. It is capable of providing 4 air changes per hour (the recommended minimum) in a 7500 cubic foot room (more than a 30' x 30' x 8').

This HEPA air scrubber offers a 2-stage filter design including a tested and certified HEPA filter and pleated pre-filter. An optional carbon/potassium permanganate filter is available to absorb a wide range of odors and gases.

WARNING TO AVOID ELECTRIC SHOCK

- Do not expose to standing water or rain.
- Connect to GFCI outlet.
- Do not use an extension cord.
- Unplug fan before servicing or changing filters.
- Do not block air intake or outlet. Allow minimum of 12-inches of distance between obstructions.
- Indoor use only.
- Do not use as stool or bench.
- Do not operate with damaged cord or plug.

ELECTRICAL REQUIREMENTS

HEPAPro AS800 should be plugged into a grounded 15 amp circuit. Unit draws about 2 amps with clean filters and no ducting. The amp draw will decrease slightly with added ducting and as the filters load with particulate. Due to the presence of GFCI receptacle, the HEPAPro AS800 must be plugged directly into a wall outlet. No extension cords should be used.

DUCTING

Air Ducting

If area to be filtered is difficult to access, congested or the air scrubber cannot be located within, air can be ducted to the unit's inlet. A round 16" diameter flexible duct can be attached to the unit inlet. It connects by placing the wire in the duct over the duct collar lip at one location and working over it over the lip gradually.

Outlet Ducting

A detachable trapezoid shaped exhaust ring is supplied that will allow 10" round lay-flat plastic duct to be attached to the exhaust outlet. To attach ducting to the collar, remove the ring from the unit by pressing release tab at the top of the grill. Put the plastic duct end through the inside of the ring. Roll the duct end outward so that it over-laps the outside of the ring. Clip the ring back onto the exhaust grill.

Negative Air Ducting

HEPAPro AS800 can be used to filter and exhaust air from an enclosed containment area. When exhausting air outside the containment area, the air inside the containment area must be under slight negative pressure. This will help prevent airborne particles from leaving the containment area, because negative pressure will draw air in through openings in the space's exterior surfaces.

POWER/SPEED CONTROL

The power/speed switch is located on the control panel. It powers the motor and impeller fan. Occasionally the impeller fan may not start on the low speed setting. If this occurs, rotate the speed control to high speed until the impeller fan starts, then adjust it to a lower speed.

Resettable Circuit Breaker:

The 12 AMP thermal, resettable circuit breaker protects the unit and devices connected to its duplex GFCI outlet. The circuit breaker is designed to sense the total current draw through the circuit. The circuit breaker "trips" when more than 12 amps of electrical current are drawn through the device's power cord. Should an overload condition occur, the on-board circuit breaker prevents a trip to a remote power junction box. **IMPORTANT:** Total amperage of the HEPAPro AS800, plus all devices plugged into the receptacle must not exceed 12 amps. The circuit breaker will not allow for loads in excess of 12 amps.

GFCI Protection and the On-Board Outlet:

The standard AC voltage outlet with GFCI (Ground Fault Circuit Interrupter) protects the operator in wet applications. GFCI devices trip when a fault to electrical "ground" is sensed. It is recommended to check the GFCI protection prior to operation. To check, push the "TEST" button located on the GFCI duplex outlet. If operating properly the "RESET" button on the GFCI outlet will pop out. A tripped GFCI is indicated by a small LED. The device can only be "RESET" when the unit is connected to a wall outlet providing standard voltage. This duplex AC outlet allows the inter-connection of other AC powered devices. The sum total amperage of all devices plugged into the receptacle must not exceed 10 amps.

AIR FILTERS

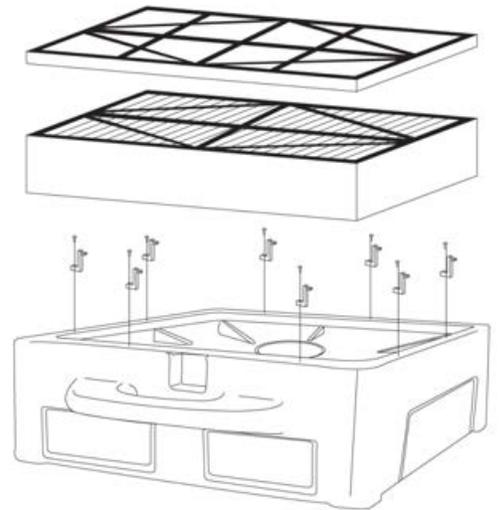
The HEPAPro AS800 is equipped with two filters that progressively filter out smaller particles. An optional activated carbon/potassium permanganate filter can be also added. These filters must be checked regularly. Operating the unit with dirty filters will reduce the airflow, and possibly cause harm to the unit. The unit can be run indefinitely with dirty filters. The two standard filters used are listed below (as installed in the unit from top to bottom): A. 25 to 30% efficient (per ASHRAE 52.1-1992), MERV-7, pleated fabric pre-filter.

B. 99.97% @ .3 micron Tested and Certified HEPA filter.

FILTER REPLACEMENT

When amber “filter change light” illuminates, it is time to replace one or both filters. Remove all ducting and run the air scrubber on high speed. If the filter light remains lit; replace the pre-filter and run on high again. If the light remains illuminated, it is time to replace the HEPA filter.

The life of the optional Activated Carbon/Potassium Permanganate Filters depend on the hours used and the level of contaminants recovered. The activated carbon removes the heavier volatile organics while the potassium permanganate removes lower molecular weight contaminants such as smoke odors present after fire damage. An advantage of the blended media versus activated carbon only is that part of the blend changes color as it loads up with contaminants. It starts out black, then turns pink, then brown, and finally white. It is best changed when it passes the brown stage and begins to turn white. It has lost most of its effectiveness at that point.



WARRANTY

HEPAPro AS800 is warranted for one year and includes the housing, motor, fan and other electrical components. The power cord is not covered by warranty. If you wish to file a warranty claim, please contact Sterling customer service at 844.822.7787.

LIMITED WARRANTY

Sterling North America LLC offers a limited warranty to the original purchaser of this product (the "Fan") against any defect in materials and workmanship as follows: For the first year from the date of purchase, Sterling at its option, will replace or repair Fan without charge to the customer. Any repair or replacement of the Fan will be warranted only for the balance of the original warranty period or ninety (90) days, whichever is greater. The following will void and/or are not covered under this limited warranty: a) damage caused by improper use; b) operation of the Fan for any reason not authorized by Sterling; c) cosmetic damage or any damage caused by misuse, improper maintenance, connection to improper voltage supply, accidents, acts of God, abuse, negligence, damage caused during shipping, modifications or attempted repair by anyone other than Sterling; or d) alteration or removal of factory-applied serial number.

TO OBTAIN WARRANTY SERVICE: In order to obtain warranty service, the purchaser must return the Fan in suitable packaging, postage prepaid, to Sterling North America at 1633 West 134th Street, Gardena, CA 90249-2013, and include: (i) proof of retail purchase; (ii) the date of the failure; and (iii) a description of the failure. All shipping expenses to Sterling are the owner's responsibility.

The obligations of Sterling herein are granted in lieu of all other warranties, expressed or implied, including, but not limited to, the warranties of merchantability of fitness for a particular purpose. The remedy provided in this warranty is exclusive and is granted in lieu of all other remedies. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

In no event will Sterling be liable for loss of use of the product, loss of profits, direct damages, indirect damages, consequential damages, and/or incidental damages by reason of injury to any person, due to any defect or the malfunction of Fan or any part(s) thereof, or for any other reason. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

This warranty gives you specific, legal rights, and you may also have rights, which vary from state to state. Purchaser's acceptance of the Fan and use thereof constitutes acceptance of these terms.

Warranty return address: Sterling North America, 1633 West 134th Street, Gardena, CA 90249-2013

----- **Cut here and return with copy of receipt within 10 days of purchase** -----

To register warranty, please fill out card completely and mail within 10 days of purchase with a copy of original receipt to: Sterling North America, 7545 Irvine Center Drive, Suite 200, Irvine, CA 92618

Name: _____ Email: _____
Phone: () _____ Unit: _____ PO Box: _____
Street Address: _____ State: _____ Zip: _____
City: _____ Serial #: _____
Model #: _____ Purchase Date: _____



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