



888-372-0050

Sales@IAP-AirProducts.com

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A-2500-3/4HP-1P-SA-GP

Fire Station/EMS/VEX



Specifications (3/4HP)	
Dimensions	24" W x 26" H x 67" L
Weight	240 lbs
Power	115V/1/60
Amps	9.5
Wiring	3 Prong With 10 Feet of Cord
CFM - Maximum	2500
Motor	3/4 HP Direct Drive w/ Thermal Overload
Cabinet	16 Gauge Steel
Finish	Blue Powder Coat
Speed Control	Low and High Toggle Switch
Air Flow	Straight Through
Decibals	65 dBA at 5'
Warranty	1 Year Limited, Excluding Filters

Part #	Filtration
A-2500-3/4HP-1P-SA-GP	(1) 24 x 24 x 4, Pleated Pre Filter (1) 24 x 24 x 22, 95% Bag Filter (3) Gas phase filters
A-2500-2HP-3P-SA-GP (3000 cfm)	(1) 24 x 24 x 4, Pleated Pre Filter (1) 24 x 24 x 22, 95% Bag Filter (3) Gas phase filters

Part #	Options
A-MAG	Magnehelic Pressure Gauge 0-2" W.C.
A-WMK	(2) Wall Mounting Brackets
A-CMK	Hanging Kit (chain, eye bolts, and snap links)

Dealer Information / Contact:

APPLICATIONS: Provides efficient removal of irritating vehicle exhaust fumes, dust and smells.

METHOD OF OPERATION: Dirty air enters one side of the collector and is trapped in the filters and clean air is exhausted. **INSTALLATION:** Suspend from the ceiling with chains/threaded rod or hang on the wall with brackets.

KEY BENEFITS

- Avoid health and safety hazards that cause respiratory ailments.
- Reduce make-up air requirements by cleaning and re-circulating air versus exhausting outside.
- Reduce housekeeping by filtration with airborne particles that settle on equipment.
- Lower in cost for the amount of cfm.
- Assists meeting OSHA standards (based upon filtration and design considerations).

SIZING EXAMPLE: A fire station needs efficient removal of irritating vehicle exhaust fumes. The vehicles are stored in a space that is 80' x 100' x 15' tall = 120,000 cubic feet.

120,000 x "air changes per hour needed." Use 6 for light fumes/smoke, 8 for moderate, and 10 for heavy.

120,000 x 8 = 960,000. 960,000 divided by 60 minutes per hour = 16,000 cfm required for all the air in the station to cycle through the filters eight times per hour. The A-2500-3/4HP-1P-SA-GP rated for 2,500 cfm, so 16,000 divided by 2,500 = 6.4.

For this application we recommend 7 units. Alternatively A-2500-2HP-3P-SA-GP at 3000 cfm could be used. 16,000 divided by 3000 = 5.3 units. 6 units could be used.



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FILTERS

Pre-Filters – A 4" pleated pre-filter is provided. These are used to economically capture larger particles, extending the life of the second stage multi-pocket bag filter.

Bag Filters – These are high quality, micro-glass, multi-pocket, bag filters which handle the largest share of the particulate filtration process, MERV 15.

Gas Phase – Installed after the above bag filters are gas phase filters. Three two inch filters are included with the unit. These are a 50/50 blend of carbon/potassium permanganate.

All filters are disposable and easy to access within the unit, allowing for quick and simple maintenance.

