

Free-hanging Ambient Collection System

TH-280 Free-hanging Ambient Collection System

TH-280 Series: Free-hanging Ambient Collection System



Model TH-280V, vertical cabinet design provides a small footprint; improves floor-to-ceiling visibility.



Model TH-280H, horizontal cabinet design for low-ceiling height applications, or installation over equipment.

The TH-280 Series of air filtration systems provides high efficiency filtration and economical cost-of-operation for the collection and removal of dust, powder, dry smoke, oil mist smoke, odor, fumes, and other airborne contaminants generated during industrial and commercial manufacturing and processing operations. The TH-280 Series is designed with a two-stage filtration sequence that delivers up to MERV 14 efficiency while extending maintenance cycles and prolonging filter life.

The TH-280 Series is a self-contained air filtration system that aids in the protection of personnel, product, and equipment from the effects of airborne contaminants; while also ensuring long-term performance with short-term payback.

Industry Applications:

- Sanding and finishing
- Metalworking and fabrication
- Surface polishing and buffing
- Welding
- Vocational schools and training
- Composites and plastics
- Chemical processing
- Oil mist smoke and fumes
- Powder processing
- Woodworking dust and fumes

Features & Benefits:

- 16 gauge, zinc-coated, steel cabinet with chemical- and oil-resistant 2-part finish ensures durable performance and cleanability relative to plastic-panel designs that may be static-generating and difficult to clean.
- Formed-steel cabinet construction improves total operating efficiency; eliminates seam ripples and gaps common with bolt-on panel designs that often allow contaminants to escape, reduce operating efficiency, and slow internal access.
- O-frame filter mounting system ensures proper filter fit and alignment; eliminates contaminant bypass of filters and improves filter collection efficiency.
- Work area air is efficiently collected, filtered, and discharged as clean, cool air by a repeating air cycle created from the 24" H x 24" W, dual air-intakes, the industrial-service 12x12 blower, and the large, 16" H x 16" W, 4-way, adjustable airfoil exhaust grille.
- Multiple TH-280 configurations enable application-specific system design; various mounting options meet facility requirements and simplify filter access; a single access panel speeds maintenance, versus removing and replacing of an entire bolt-on side panel.

Free-hanging Ambient Collection System

TH-280 Free-hanging Ambient Collection System

Specifications:

- Airflow**.....4700 CFM (3 HP)
6500 CFM (5 HP)
- Construction** 16 ga., formed-steel, zinc-coated cabinet.
2-part, chemical- and oil-resistant finish.
Top and front access panels to motor and blower.
Fabricated and assembled in the USA.
- Electrical** 208-230/460/3/60, 8.6/4.3 amps (3 HP)
208-230/460/3/60, 14.0-13.2/6.6 amps (5 HP)
- Weight (lbs.)** 325
- Sound Level** 74 dBA / 71 dBA with silencer (3 HP)
77 dBA / 74 dBA with silencer (5 HP)
- Motor/blower** Belt-drive with permanently lubricated shaft bearings, and premium-efficiency 12x12 blower. Motor is wired to junction box on outside of unit. Motor starter / disconnects not included.
- Optional**..... Pressure Gauge Kit: Indicates when filters require cleaning; improves maintenance efficiency. External, heavy-duty silencer. Cradle-style mounting kit.

Filter Set:

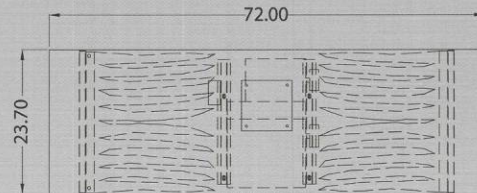
- Standard** Prefilters, (4) 24" x 24" x 4", pleated, MERV 11 efficiency. Main filters, (4) 66 sq. ft., multi-pocket bag filters, MERV 11 efficiency.
- Optional**..... Main filters, (4) 66 sq. ft., multi-pocket bag filters, MERV 14 efficiency. Main filters, (4) 66 sq. ft., easy-clean, multi-pocket bag filters, MERV 11 efficiency. Main filters, (4) 83 sq. ft., multi-pocket bag filters, MERV 14 efficiency.

Filter efficiencies are based on ASHRAE 52-76 test method.

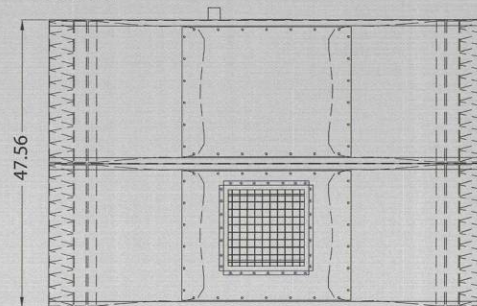
Dimensions:

TH-280V Free-hanging Ambient Collection System

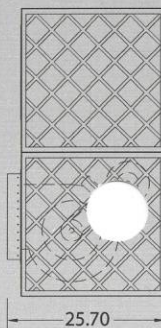
Top:



Front:

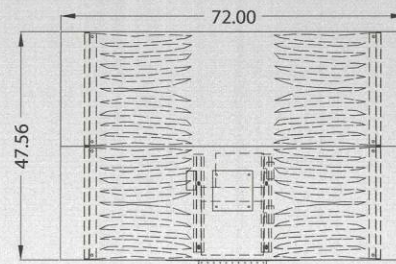


Side:

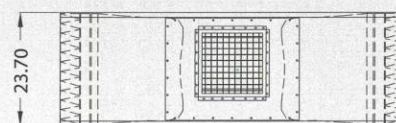


TH-280H Free-hanging Ambient Collection System

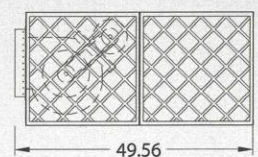
Top:



Front:



Side:



Performance | Productivity | Payback

11221 Pagemill Road • Dallas, TX 75243-8306 USA
Phone: 1-800-818-6185 • Fax: 214-503-9596
Web: www.airflowsystems.com • Email: info@airflowsystems.com