



Extract-All™

An exclusive Air Impurities
Removal Systems, Inc. brand

Air Impurities Removal Systems, Inc. provides a wide range of innovative, high-quality air purification products; offering customers the latest in industrial and commercial air cleaning, dust collection, and fume extraction systems.

Our EXTRACT-ALL™ line offers versatile, affordable, and high efficiency air cleaning systems – all designed to capture smoke, dust, fumes, and other airborne contaminants from a variety of applications; providing a safer and healthier workplace environment.

Extract-All™ Model CM-3500

When source capture is not practical due to the size of an area, or poor access to points of generation, Air Impurities Removal Systems recommends using an “area” or “ambient” air cleaning system.

Our line of ceiling mounted ambient air cleaners are designed for industrial ambient air cleaning of dust, smoke and other airborne contaminants present in shops, factories, and labs. The CM-3500 is ideal where direct capture at the source of the pollutant creating operation is not practical. The CM-3500 operates by collecting the contaminants into the rear of the unit, which then passes through a multi-stage filter package. The clean air is then exhausted back into your workspace through a directional grill.

Single or multiple units are suspended in a workspace to achieve a continuous air pattern and filter the air 6 to 8 times per hour.

Features & Benefits

- Up to 3500 CFM
- 16 gauge steel construction
- Cabinet is sealed for minimum air bypass
- Filter change light
- Special filtration for specific applications
- Easy access to filters and other components
- Heavy duty, balanced motor/blower combination
- 4-way adjustable grill



Specifications

OVERALL DIMENSIONS: 26"H X 26" W X 69" L

WEIGHT: 268 lbs actual; 300 lbs shipping

CABINET: 16 gauge welded galvanealed steel with exterior surfaces ground smooth

FINISH: Industrial grade textured baked black enamel paint inside and out

PREFILTERS: 24" x 24" x 4" 35% average efficiency* pleated prefilter with 28 sq ft of media

Other optional prefilters available

STANDARD PRIMARY FILTER: 24" X 24" X 32" 10 pocket filter 95% average efficiency*

Other optional filters available

FILTER ACCESS: Front loaded for easy access

EXHAUST: Straight through

MOTOR(HP UNIT): Single speed, 1 1/2 HP, single phase, 120V, 60 HZ, TEFC ball bearing motor, maximum 17.2 AMPS (optional three-phase motor available)

AIR VOLUME: 3500 CFM (nominal rating)

FILTER CHANGE LIGHT: Factory preset for easy notification of filter change requirements

ELECTRICAL: 120V, 60 HZ cord with standard plug, maximum 17.2 AMPS

NOISE LEVEL: 79 dBA @ 6' from the exhaust grille (optional silencer available)

CONTROLS: Single phase, 120V models come standard with 10' power cord and on/off switch

GENERAL: 4-way adjustable grille, filter change light, captive mounting nuts-four positions

Specifications subject to change without notice. *All efficiencies are per ASHRAE 52-76.

Applications

- Adhesive Glue Fumes
- Brazing
- Bulk Packaging
- Chemical Fume Removal
- Cleaning with Solvents
- Grinding
- Laser Etching
- Laser Fumes
- Laser Marking
- Laser Printing
- Light Welding
- Plastic Heat Bending
- Polishing Applications
- Powder Weighing
- Robotic Welding
- Sanding Operations
- Small Grinding Operations
- Solvent Chemical & Miscellaneous Mixing
- Toxic Chemical Fumes
- Toxic Fumes
- Toxic Gases
- Toxic Particulate
- Toxic Powders
- Toxic Vapors
- Welding
- Wire Stripping
- And a variety of additional applications that create dust, smoke, or other airborne contaminants

All data has been obtained under controlled conditions. Variables occurring under actual working conditions may cause a slight variance to these specifications. In order to facilitate product improvements, specifications are subject to change without notice.

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