



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-1800

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-1800 is ideal where direct capture at the source of the pollutant creating operation is not practical. The system 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 2500 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
- Low noise level during operation



Specifications

OVERALL DIMENSIONS: 24"H X 24" W X 45" L

WEIGHT: 143 lbs actual; 163 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 22" 8 pocket bag filter 95% average efficiency* configurations (other optional filters available)

FILTER ACCESS: Front loaded for easy access

EXHAUST: Straight through

MOTOR(HP UNIT): 2 speed, 3/4 HP, 120V, 60 HZ, thermally protected ball bearing motor

BLOWER(HP UNIT): 10" diameter x 10" wide direct drive blower

AIR VOLUME: 1400 CFM on low, 2500 CFM on high (nominal rating)

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

ELECTRICAL: 120V, 60 HZ cord with standard plug, maximum 9 AMPS

NOISE LEVEL: 76 dBA on high, 66 dBA on low, measured 6' from the exhaust grille

CONTROLS: 3 position, center 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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