



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, high efficiency, and portable 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 E-300

When it comes to machining operations, there are potential health hazards and risks associated with the oil and water based cutting fluids that are used as coolants and lubricants. Metalworking applications such as cutting, sawing, polishing, and grinding along with the use of these cutting fluids produces a mist that is sent airborne. This mist can pose great health risks resulting from long term exposure. Facilities also are at risk of physical hazards to the worker such as slippery floors. Proper containment of floatation mist is essential to a safe working environment.

Designed for direct source capture of various airborne contaminants, the Extract-All™ Model E-300 oil mist / smoke / particulate collector is an ideal method of cleaning unwanted nuisance or hazardous contaminants from the workplace efficiently and cost effectively. The E-300 is most effective when accommodating a single machine or enclosure.

The E-300 operates by collecting the contaminant-laden airstream into the collector's inlet plenum, which is designed to drop out large mist or other particles. The airstream then turns and passes up through a multi-stage filter system while the clean air is exhausted through the top of the unit.

Features & Benefits

- Compact design suitable for various mounting configurations (three-way brackets provided)
- Cabinet is tightly sealed to avoid air bypass
- Standard liquid drain in bottom of unit
- Single-hinged door for easy filter removal and maintenance
- Quick-release latches on easy-open door
- Positive seal filter lockdown
- Multi-stage filtration
- Helps ensure compliance with current & future OSHA regulations

All systems feature:

- Standard 3-year warranty
- Heavy duty construction
- Baked polyurethane powder coated paint finish inside & out
- Low noise levels



Specifications

CABINET: 16 gauge welded steel

FINISH: Baked polyurethane powder coated paint finish inside and out

DIMENSIONS: 32" H x 16.5" W x 16.5" D

AIR VOLUME: 300 CFM, with clean filters, one inlet open, and without ductwork

NOISE LEVEL: 65 dBA

ELECTRICAL: 350W, 2.8 AMPS 120/1/60

BLOWER: Totally enclosed, thermally protected. Typical motor life is 100,000 hours, depending on operating conditions, including ambient temperature, duty cycle, etc.

WEIGHT: 130 lbs without filters; 165 lbs with clean standard filters installed

FILTRATION:

Standard-12" x 12" x 2" aluminum mesh filter
Standard-12" x 12" x 4" mist-x chevron style baffle
Standard-12" x 12" x 12" (95% ASHRAE efficient)
Rigid cell filter with oil mist lining.

FILTER ACCESS: Front load — single-hinged panel door

INLET PLENUM: Includes standard (1) 4" diameter inlet collar on front

DRAIN: Includes standard sump fitting to drain collected liquids



Applications

- Boring
- Chuckers
- CNC Machining
- EDM Machining
- Lathes
- Machine Tools
- Metal Turing Centers
- Milling
- Oil Mist & Coolant Smoke Removal
- Parts Washing
- Screw Machines
- Wet Grinding
- 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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