



Extract-All™

An exclusive Air Impurities
Removal Systems, Inc. brand

Extract-All™ Compact Air Cleaning System

Model 987 Series



**Super Versatile Extract-All™
Model S-987-2A**
Compact Air Cleaning System

The Extract All™ Model S-987-2A compact air cleaning system gives you a safer, healthier workplace by capturing and removing contaminants at the source. The system collects and filters smoke, dust, and odors from:

- Soldering
- Heat Bending
- Dental Grinding
- Light Welding, Sanding & Grinding
- Solvents
- Mixing Powders and Chemicals
- Wire Stripping
- Jewelry Buffing
- And many other light to moderate industrial and laboratory activities.

Mounting Versatility

You can mount the S-987-2A vertically or horizontally on bench top or floor. Additionally, you may order the optional caster base for portable use.

Source Capture Versatility

Each system comes standard with:

- Inlet cover with two 2-1/2" diameter, self-supporting articulating extractor arms plus a cap to close off the unused inlet, if only one arm is used.

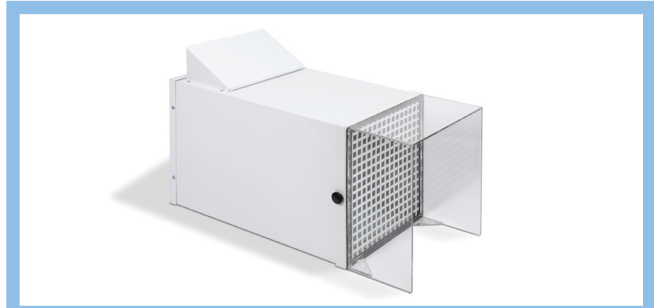
Arms are made of heavy-duty, chemical, abrasion, and heat resistant polypropylene with flame retardant characteristics. Reach is from 36" to 53". If you prefer to remove the standard prefabricated hoods, the ends of the arms can be flared up to 3-3/4" in diameter or as small as 2" in diameter. CFM is increased by up to 50% over internally supported arms.

- Exhaust Deflector which diverts air away from the work area.

Optional:

- Slotted inlet cover for use as a backdraft/ downdraft pickup.

Slotted inlet cover options include 6" deep full hood, and/or partial hood and two intake-limiting covers (the partial hood may be positioned above, between, or below the covers). Hoods are acrylic; hoods and covers attach with magnets.



FLEXIBLE: Can be bent, twisted and turned easily without breaking.

SELF SUPPORTING: Rigid enough to retain its shape.

EXPANDABLE: Diameter can be increased to form a hood or decreased to form a nozzle simply by twisting hose by hand.

HEAVY DUTY: Polypropylene with flame retardant characteristics.

DURABLE: Chemical and abrasion resistant, and withstands temperatures from -40° F to 180°



Extractor Arm Features

Specifications

ORIENTATION: Can be mounted horizontally or vertically.

CABINET: 18 gauge steel, polyurethane powder painted outside and inside.

CABINET DIMENSIONS:

12.5"W x 12.5"H x 19.5"D in horizontal position

12.5"W x 19.5"H x 12.5"D in vertical position

WEIGHT: Approximately 30 lbs. (Plus additional weight for filter options.)

BLOWER: 350W, 2.8 amps, 120/1/60, 2000 RPM, variable speed control, and power cord with plug.

TYPICAL MOTOR LIFE: 100,000 hours (depending on operating conditions, including ambient temperature, duty cycle, etc.).

RATED FAN PERFORMANCE: 350 CFM @ 0.5" E.S.P., 240 CFM @ 2.0" E.S.P., 100 CFM @ 2.75" E.S.P.

VELOCITY AT EXTRACTOR ARM INLETS*: 3500 FPM per arm

VELOCITY AT GRATED INLET*: 275 FPM

NOISE LEVEL:** 66 dBA @ 6', 65 dBA @ 12'

*Velocities are based on operation with a clean polyester panel prefilter and 95% ASHRAE efficient primary filter. Performance varies with other combinations.

**Noise level is based on performance with 2 extractor arms and a clean polyester panel prefilter and 95% ASHRAE efficient primary filter. Noise levels may vary with other inlet and filter combinations.

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.



Extract-All™
Model 987 Series Offers
3 Year Warranty

Filters

Extract-All™ Model S-987-2A systems come standard with a 2-ply, polyester ring panel prefilter and a filter hold-down grid. Primary and primary/final filters must be ordered separately.

Choose filter F-987-1, F-987-2A, or F-987-2B for most grinding or sanding, dust from mixing chemical powders, and smoke from chemicals, light welding, or similar applications. For soldering fumes, and other applications that contain lead or other potentially hazardous fumes, choose filter F-987-3, F-987-4A, or F-987-4B. If your Extract-All™ Compact Air Cleaning System will be used primarily for solvent fumes, touch-up painting, or other applications with a high gaseous odor content, we recommend using filter F-987-5A or F-987-5B.



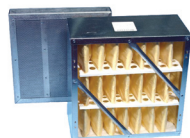
Primary & Final Filter Options

Easy access enables you to change filters in a matter of seconds. Purchase of several filter combinations is recommended if your work processes are highly varied.



No. F-987-1

95% Efficient
Primary Filter*



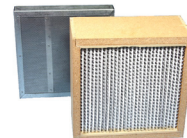
No. F-987-2A
No. F-987-2B

95% Efficient
Primary Filter*, Plus
Refillable Module
Filled with (2A)
Activated Carbon,
or (2B) Activated
Alumina with Potassium
Permanganate



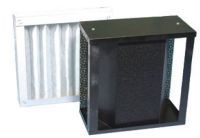
No. F-987-3

99.97% Efficient H.E.P.A.
Primary Filter**



No. F-987-4A
No. F-987-4B

99.97% Efficient
H.E.P.A. Primary
Filter**, Plus Refillable
Module Filled with (4A)
Activated Carbon,
or (4B) Activated
Alumina with Potassium
Permanganate



No. F-987-5A
No. F-987-5B

45-50% Efficient Pleated
Final Filter*, Preceded
by Primary Refillable
Module, Filled with
(5A) Activated Carbon,
or (5B) Activated
Alumina with Potassium
Permanganate

*Efficiency According to ASHRAE 52 Test Method. **Efficiency at .3 Micron (D.O.P.) Test

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