

# EXTRACT-ALL™

## SOURCE CAPTURE AIR CLEANING SYSTEM

MODEL 981 SERIES



The Extract-All™ Model 981 compact air cleaning systems gives you a safer, healthier workplace by capturing air contaminants directly at the source and safely removing them before clean air is released into the room . Each unique air cleaning system is designed for:

- lab fumes & dust
- soldering
- light welding
- cleaning with solvents
- paint & ink spraying
- wire stripping
- art restoration & conservation
- clean room applications
- small grinding operations
- dental grinding
- jewelry grinding & buffing
- glue spraying
- sanding operations
- laser printing

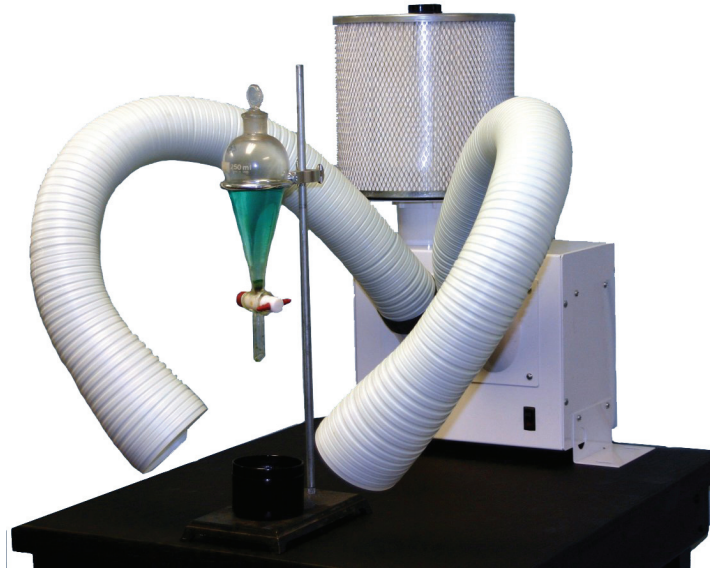
and numerous other applications which create airborne contaminants.

# Extract-All™ Model S-981-2B Bench Mount System

The Extract-All™ Model S-981-2B Bench Mount System is a heavy duty, self-contained, recirculating air cleaner which captures air contaminants directly at the source and safely removes them before clean air is released into the room. The filtered air results in optimal working conditions and higher productivity in the workplace, with lower costs in energy and housekeeping.

Each Extract-All™ system comes with two sets of mounting brackets to attach easily to table or benchtop, with the filter extending above or below.

Filter options include a two stage polyester prefilter/ high efficiency cartridge designed to handle smoke, dust, and mist. Along with optional H.E.P.A. filters for "absolute filtration" and refillable adsorption modules for gaseous fumes, the system provides the versatility to solve most contaminant problems.



# Extract-All™ Model SP-981-2B Portable System



The Extract-All™ Model 981 Series Air Cleaner is available as a portable system (Model SP-981-2B), by integrally mounting it on castor base cabinet assembly. The portability of this system makes it ideal to use in general applications and locations, including difficult to reach places.

When using the portable cabinet assembly, optional third stage filtration may be used simultaneously with the standard two stage set up. Choices include the following:

- First stage - 2 ply, multi-density polyester pad  
Second stage - High efficiency cartridge filter  
Third stage - Refillable 2" D adsorption module
- First stage - 2 ply, multi-density polyester pad  
Second stage - Ultra efficiency H.E.P.A. filter  
Third stage - Refillable 2" D adsorption module
- First/Second stage - Refillable adsorption module/High efficiency cartridge filter  
Third stage - Refillable 2" D adsorption module
- First/Second stage - Refillable adsorption module/ Ultra efficiency H.E.P.A. filter  
Third stage - Refillable 2" D adsorption module

# Extract-All™ Model 981 Specifications

## Electrical:

Blower/Motor Assembly is totally enclosed & thermally protected; ball bearing; capacitor start. Typical motor life - 100,000 hours, depending on operating conditions, including ambient temperature, duty cycle, etc.

*Models S-981-2B & SP-981-2B:*  
350W, 2.8 amps, 120/1/60, 2000 RPM,  
variable speed control & power cord w/ plug.

## Cabinet:

14 Gauge Steel. Baked Polyurethane powder painted (exterior and interior).

## Standard Dimensions:

*Model S-981-2B:*  
12" W x 10" H x 7" D  
(not including arms and filter)

*Model SP-981-2B:*  
18" W x 42 1/2" H x 12 3/4" D (Not including  
arms or optional final stage filter)

## Standard Weight:

*Model S-981-2B:*  
28-39 lbs., depending on options.

*Model SP-981-2B:*  
54-78 lbs., depending on options.

## Performance:

\*Duct Velocity through Standard Extractor Arms

### *Models S-981-2B & SP-981-2B:*

Average - 3800 FPM Extractor Arm velocity with one extractor arm in use.

Average - 2250 FPM Extractor Arm velocity with two arms in use.

## Noise:

### *Model S-981-2B:*

68 dBA at 6' and 64 dBA at 12'; with standard high capacity cartridge and two extractor arms.

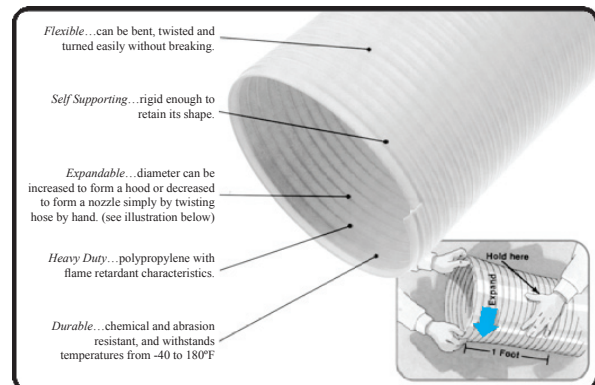
### *Model SP-981-2B:*

64 dBA at 6' and 62 dBA at 12'; with standard high capacity dirttridge and two extractor arms.

\*Note: Velocity is based on a clean standard filter cartridge. Performance varies with other filter combinations.

## Extractor Arm Features

- Each Extract-All™ S-981 and SP-981 series system comes with two arms, plus a cap to close off the unused inlet, if only one arm is desired
- Reach is expandable from 33" to 48"
- Can be flared at one end to make a 4.5" diameter hood or decreased to make a 2" diameter nozzle
- Extremely user friendly
- Tests show CFM is increased by up to 50% over internally supported arms



Extract-All™ Model  
981 Series offers:

3 year warranty

Distributed by:



**Air Impurities Removal Systems, Inc.**

166 N. 121st Street • Wauwatosa, Wisconsin 53226

Toll Free: (800) 236-1889

Phone: (414) 257-1770 Fax (414) 257-3594

info@airsystems-inc.com • www.airsystems-inc.com

# EXTRACT-ALL™

## SOURCE CAPTURE CLEANING SYSTEM

### MODEL 981 SERIES - FILTERS

### Primary and Final Filter Options

PREFILTER/ HIGH EFFICIENCY  
CARTRIDGE FILTER



No. F-981-1

**Prefilter** - 2 ply, Multi-density Polyester Media  
Efficiency: 30-35% per ASHRAE 52 Test Method.  
**High Efficiency Cartridge Filter**  
- 99.9% efficiency, using AC fine test dust.

REFILLABLE HIGH EFFICIENCY  
FILTER ADSORPTION MODULE



No. F-981-2A/2B

High Efficiency Cartridge Filter, with reusable perforated metal core, and filled with Activated Carbon (2A), or with Activated Alumina with Potassium Permanganate (2B).

PREFILTER /  
H.E.P.A. FILTER



No. F-981-3

**Prefilter** - 2 ply, Multi-density Polyester Media.  
Efficiency: 30-35% per ASHRAE 52 Test Method.  
**H.E.P.A. Filter** - 99.97% efficiency using thermally generated Dioctylphthalate (DOP), with particles .3 micron or larger size as the challenge.

REFILLABLE ULTRA EFFICIENCY  
FILTER ADSORPTION MODULE



No. F-981-4A/4B

Ultra Efficiency H.E.P.A. filter, with reusable perforated metal core, and filled with Activated Carbon (4A) or with Activated Alumina with Potassium Permanganate (4B).

FINAL STAGE REFILLABLE  
ADSORPTION MODULE FOR  
USE ON PORTABLE CABINET



No. F-981-5A/5B

Refillable Adsorption Module filled with Activated Carbon (5A), or with Activated Alumina with Potassium Permanganate (5B).