



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 987-Dental Clean Air

The Extract-All® Model 987-DCA Compact Air Cleaning System gives you a safer, healthier workplace by capturing and removing contaminants at the source. Single station system collects and filters aerosols and splatter produced by the use of high-speed equipment such as scalers and drills.

One of the biggest concerns in dentistry relates to the potential spread of infection among both dental professionals and their patients.

The Model 987-DCA-1 includes a HEPA filter which handles fine particulate down to .3 microns such as dust, pollen, fibers, and biological material, such as some viruses, bacteria, and mold spores. Model 987 DCA-2 includes an ULPA filter which can remove from the air 99.999% of ultra-fine particulate with a minimum particle penetration size of 100 nanometers. ULPA or “Ultra Low Particulate Air” filters can help prevent the spread of toxic agents and infectious diseases.

## Features & Benefits

- Helps ensure compliance with current & future OSHA regulations
- Versatile & portable
- Unlike other systems on the market, the unique extractor arms have no internal supports or articulated bends which restrict airflow - CFM is increased by up to 50% over internally supported arms
- UL & CE approved

### **All systems feature:**

- Standard 3-year warranty
- Three-stage filters
- Baked polyurethane powder coated paint finish inside & out
- Low noise levels



# Specifications

**ORIENTATION:** Can be mounted horizontally or vertically

**CABINET:** 18 gauge steel, polyurethane powder coated paint inside and out

**CABINET DIMENSIONS:**

12-1/2" W x 12-1/2" H x 19-1/2" D in horizontal position  
12-1/2" W x 19-1/2" H x 12-1/2" D in vertical position

**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 @ .5" E.S.P.  
240 CFM @ 2.0" E.S.P.  
100 CFM @ 2.75" E.S.P.

**VELOCITY AT EXTRACTOR ARM INLET\*:** 3500 FPM

**AIRFLOW AT EXTRACTOR ARM INLET:**

With Primary HEPA: 255 CFM

With Primary ULPA: 230 CFM

**NOISE LEVEL:** 65 dBA

**FILTERS:**

MERV 10 Prefilter

Poly-Panel Secondary Filter

99.99% HEPA filter **OR** 99.99% ULPA Filter

# Applications

- Dental Aerosols & Overspray
- Adhesive Glue Fumes
- Anesthesia Procedures
- General Laboratory Fumes & Dust
- 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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