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S U P P L Y I N G   C L E A N   A I R   T O   I N D U S T R Y

## MODEL PORTA AIR™

### Portable Cartridge System



*The new portable cartridge system from Air Quality Engineering Inc. is a complete self-contained media air cleaner for use in source capture applications in industrial settings. The Porta Air captures airborne contaminants such as welding smoke, grinding dust, plastic dust and other fine particles.*



**AIR QUALITY  
ENGINEERING**

Manufacturer and Worldwide Distributor of Air Cleaning Systems for Over 40 Years

# PORTA AIR™ FEATURES & SPECIFICATIONS

## Principles of Operation:

Airborne contaminants enter the Porta Air through the hood/arm assembly at a rate of 1100 cubic feet of air per minute (cfm). Heavy particles are propelled downward through the venturi and into the removable clean out trays. Small submicron particles are then trapped within the pleats of the two MERV 15 rated cartridge filters. The clean air is then gently diffused out the bottom of the unit. Replace filters when the differential pressure gage indicates that the filters are dirty.

## STANDARD FEATURES :

- Air volume - 1100 CFM
- Externally supported 13' arm. Full 360° rotation.
- 1.5 horse power motor
- 382 square feet of filter media
- 99.8% efficient at .5 micron
- Large 8" diameter front wheels
- Quiet operation
- Three-year limited warranty

## OPTIONAL FEATURES :

- LED light and hood controls
- 2nd stage HEPA filter

## SPECIFICATIONS :

|                       |   |
|-----------------------|---|
| DIMENSIONS:           | 46"H x 28.5"W x 37"D  |
| WEIGHT:               | 400 lbs actual, 450 lbs shipping  |
| ARM ASSEMBLY          | 13'* long x 8" or 6" diameter. Externally supported arm with full 360° arm rotation. Arm assembly incorporates a gas spring which provides easy up and down movement. |
| HOOD:                 | Spun formed aluminum hood with flange. Hood moves easily vertically and horizontally.   |
| AIRFLOW VOLUME:       | 1100 cfm  |
| MOTOR:                | 1.5 HP thermally protected  |
| BLOWER:               | Direct drive, backward incline  |
| CABINET CONSTRUCTION: | 16 Ga. welded CRS steel   |
| CONTROLS:             | All models include control circuitry and thermal protection.  |
| POWER:                | 120V/60 hz/14 amp running or 208-240V/60 hz/8 amp running. Ten-foot power cord with molded plug standard on both single phase models.                                 |
| CASTERS:              | Two large 8" diameter semi-pneumatic (front) wheels and two heavy duty swivel casters (back)  |
| FINISH:               | Durable powder coat paint   |
| FILTRATION:           | Two high efficiency cartridge filters: 12 3/4" ( diameter x 22" 382 sq. ft. total, 99.8% efficient at .5 micron (MERV 15)   |
| FILTER ACCESS:        | Hinged side door  |
| FILTER GAGE:          | Dirty filter gauge indicates pressure up to 10 in. WG   |
| NOISE LEVEL:          | 73 dBA at 6'  |
| WARRANTY:             | Limited three year warranty   |



Air Quality Engineering, Inc., has a policy of continuing product improvement, and reserves the right to make changes in design and specification without notice.

This unit is to be used exclusively for source control in industrial applications in California.