

The AirRanger™ Polarized Media High Efficiency Air Cleaner installs directly into 1" filter tracks in the existing heating and cooling system. Its electronically enhanced media combines elements of both electronic and media air cleaners. Particles are electrically charged (polarized) and then collected in the high efficiency media. Polarized sub-micron particles join with other particles and are collected on subsequent passes.



*Note: Actual unit may vary depending on size*

## Fast Installation

- No costly ductwork modifications required
- Wires directly to 24 volt R and C terminals on most IFC boards or plugs directly into 110 volt wall outlet

## Efficient

- 97% efficient at .3 microns
- Efficiency increases as the media fibers load

## Reduces Odors

- Patented activated-carbon center screen is effective in removing smoke, odors, pollen, dust, and other contaminants

## Economical Operation

- Low static pressure drop lets blower run efficiently
- Low power consumption

## Easy Maintenance

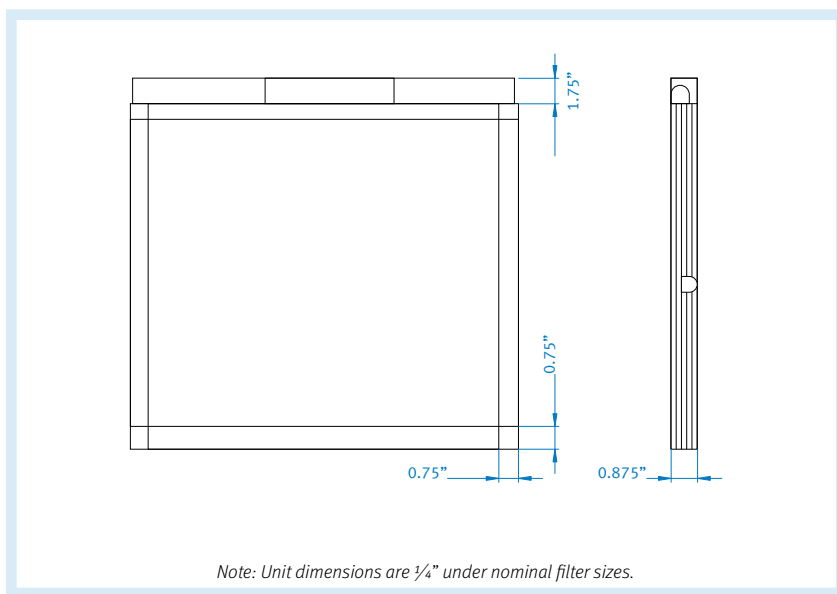
- No washing of components required
- Disposable fiber media pads require only a few minutes to change
- Media pads are generally changed every 3 to 4 months, depending on household conditions such as the presence of pets and/or smokers

## Safe, Quiet, Dependable Operation

- Runs on 24 volts that feeds a high voltage power supply producing 7,000-9,500 volts of DC output current. Its extremely high internal impedance makes it very safe and virtually short-circuit proof
- Does not produce ozone or arcing like other electronic air cleaners
- Does not produce charged (ionized) particles that collect on clothes, walls and furnishings

## Warranty

- Limited Lifetime Warranty when using only GENUINE replacement media and when serviced as part of a regularly scheduled service maintenance program
- This warranty is all inclusive, covering the electronic powerhead and any manufacturing defect on the hardware



*Note: Unit dimensions are 1/4" under nominal filter sizes.*



## PERFORMANCE DATA

|                          |           |
|--------------------------|-----------|
| Electrical Input         | 24 VAC    |
| Powerhead Output Voltage | 7 kV (DC) |
| Power Consumption        | 1.4 Watts |
| Powerhead Volt/Amps Draw | 1.45 VA   |
| Maximum Face Velocity    | 500 fpm   |
| Ozone Generation         | None      |

## Standard Sizes

Polarized Media High Efficiency Air Cleaners are available in the following standard sizes. Custom sizes are also available.

- 12 x 12
- 12 x 20
- 12 x 24
- 14 x 14
- 14 x 20
- 14 x 24
- 14 x 25
- 14 x 30
- 15 x 20
- 16 x 20
- 16 x 24
- 16 x 25
- 16 x 30
- 18 x 18
- 18 x 20
- 18 x 24
- 18 x 30
- 20 x 20
- 20 x 22
- 20 x 24
- 20 x 25
- 20 x 30
- 25 x 25
- 16½ x 21⅝
- 20 x 21⅝
- 21½ x 23¼

## Operation

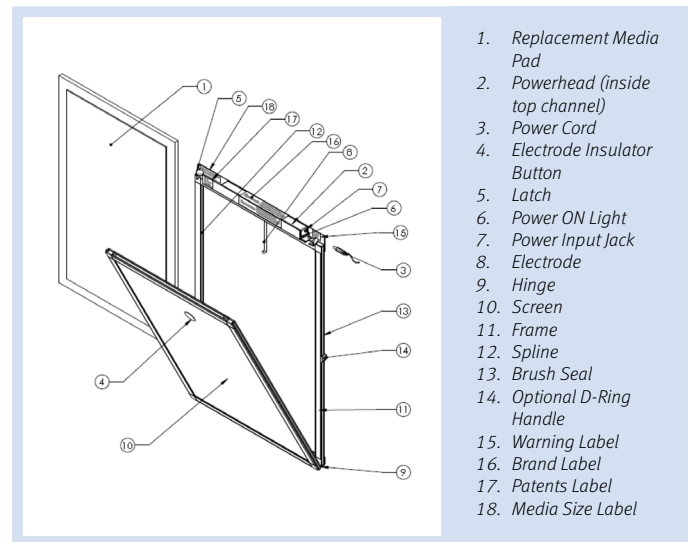
Each unit is shipped with a power supply cord that plugs into the air cleaner and wires directly to the “R” and “C” terminals located on most gas furnace integrated control boards. Refer to the Polarized Media High Efficiency Air Cleaner Installation Instructions & Consumer Information for details.

An optional 110 volt step-down transformer allows the appliance to be plugged directly into any standard wall outlet.

## Maintenance and Filter Pad Replacement

The only scheduled maintenance for the Polarized Media High Efficiency Air Cleaners is periodic replacement of the Replacement Media Pads. This is typically done every 3 to 4 months.

**WARNING: FAILURE TO REPLACE THE MEDIA PAD WITH GENUINE MEDIA REPLACEMENT ON A REGULAR BASIS COULD REDUCE AIRFLOW AND CAUSE DAMAGE TO THE HEATING AND COOLING SYSTEM AND VOID THE WARRANTY OF THE AIR CLEANER.**



## EFFICIENCY COMPARISON

| Particle Size | Contaminate(s)                                                                              | Our Air Cleaner    | Other 4-6" Pleated Filters |
|---------------|---------------------------------------------------------------------------------------------|--------------------|----------------------------|
|               |                                                                                             | Capture Efficiency |                            |
| 3-10 microns  | pollen, mold, dust mites, hairspray                                                         | 99%                | 98%                        |
| 1-3 microns   | auto emissions, lead dust, large bacteria                                                   | 98%                | Not Effective              |
| .3-1 micron   | smoke (tobacco, cooking), small bacteria, fine dust, paint pigments                         | 97%                | Not Effective              |
| <.3 micron    | VOCs (odor, off gases including formaldehydde from carpets, furniture and cleaning products | 40%                | Not Effective              |

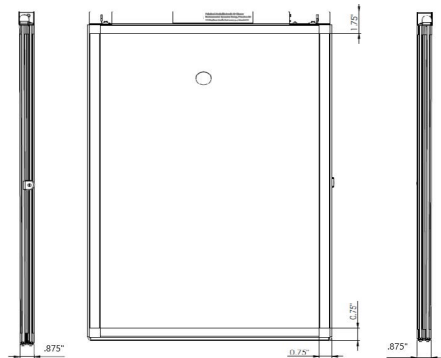


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## Dimension Data:

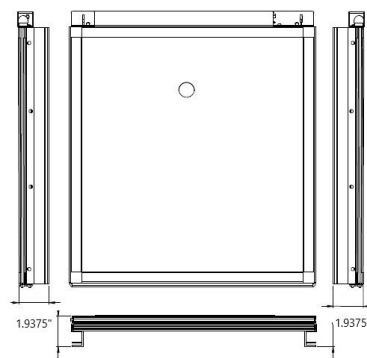
### Standard Sizes



Note: Unit dimensions are 1/4" under nominal filter sizes.

Our Whole-House High Efficiency Air Cleaners are also available in several models as a retrofit to slide into existing media or electronic air cleaner cabinets.

### Retrofit Models



## Pressure Drop Data:

Our Whole-House High Efficiency Air Cleaners feature a media pad with a patented center screen material featuring C3 Technology™. The center screen utilizes a Conductive plastic Carbon Composite mesh material that translates to a low pressure drop without compromising air cleaner efficiency or performance.

