

# **MEDIA AIR CLEANER**

### **Superior Filtration**

- Removes particles down to .01 microns.
- Traps germs, bacteria, viruses and allergens better than Merv 11 media filters.
- Effectiveness does not diminish over time like electronic precipitators.
- Removes tobacco smoke from air.
- Low airflow resistance
- Effectively filters without restricting airflow. Significant airflow restriction is a common problem with pleated media (Merv 8 or higher).
- Simple 24V wire connection to R&C on furnace board.

#### COMMON INDOOR AIR POLLUTION PARTICULATE SIZES COMPARED Measured in microns. 1 micron = 1 millionth of a meter or 1/25,000 inch. This dot. is roughly 100 microns. Naked Eye Visible with a light microscope Visible with electron microscope 100 25 10 5 2.5 .6 .3 .15 .07 % OF PART CULATE is smaller than 1 micron the most health injurious according to the AMA 2% OF PARTICULATE Includes larger sizes that are critical allergens such as pollen & spores Coal Dust (100 to 1 microns) Odors are gases Pollen (1000 to 10 microns) smaller than .01 microns. Use UV-V Asbestos (90 to .7 microns) or carbon to remove. Bacteria (60 to .3 microns) Atmospheric Dust (40 to .001 microns) (30 to 10 microns) Carbon Black (10 to .2 microns) Animal Dander (10 to .3 microns) Insecticide (10 to .5 microns) Paint Pigments (5 to .1 microns) Tobacco Smoke (4 to .01 microns) Wood Smoke (3 to .2 microns) Cooking Grease (.9 to .3 microns) Viruses (.3 to .005 micron) Standard filters including pam, fiberglass & polyester prest particulate to AIR FILTRATION TECHNOLOGIES COMPARED The indoor air is always 2 to 5 times more polluted, and at times may be 100 times worse than the outdoor air. Static electric washables will arrest particuate down to about 3 microns. **Environmental Protection Agency** Pleated media filters vill arrest particulate lown to 1 micron. Electrostatic precipitator (EAC) can't collect large particulate but will collect small sizes when new. Efficiency begins to drop within 48 hours and is difficult to clean. Polarized Media Air Cleaner can arrest particulate from this entire range. This inexpensive solution will fit in your existing filter rack

#### **SPECIFICATIONS**

#### STANDARD ONE INCH FILTER SIZES

Size (L x W x D) 16" x 20" x 1"

16" x 25" x 1"

20" x 20" x 1"

20" x 25" x 1"

Non-standard sizes available with a 14 day lead time.

24V Less than 2 watts **Power Consumption** 

Filter Media Pad Lifespan 2 - 4 months

Lifetime Warranty

Replacement media sold in packs of three (3).





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**Date:** 18-Dec-15 **TEST NO.** 15-1816A

# ASHRAE Standard 52.2-2012 Resistance Traverse

#### **Filter Description**

Manufacturer
Filter Model
Part Number
Generic Filter Type
Nominal Dimensions (H x W x D)
Pocket / Pleat Quantity
Media Type
Est. Gross Media Area
Adhesive Type

Premier One Products
P124M
124
Electronic
16" x 25" x 1"
Flat
Fiberglass
2.78 ft²
N A

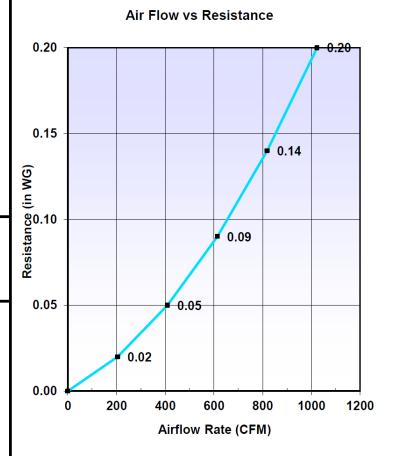


#### **Test Conditions**

Test Air Temp (degrees F.)	43
Relative Humidity (%)	39
Barometric Pressure (In. Hg.)	29.47

## Test Results

Air Flow (CFM)	Resistance (in WG)
205	0.02
410	0.05
614	0.09
819	0.14
1024	0.20



Comments Tested For: Premier One Products
Product Design Flow Rate (CFM) 819

Test Performed by: TS Approved By: WHGSう Test Completed: 18-Dec-15

Rev: 1 Date: 4/10/2012