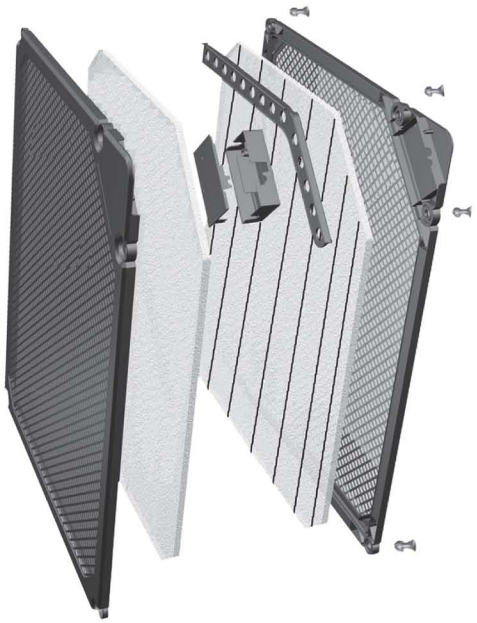
RESIDENTIAL AIR CLEANER

Model 1500

1" RESIDENTIAL ELECTRONIC AIR CLEANER

The Model 1500 Electronic Air Cleaner features:



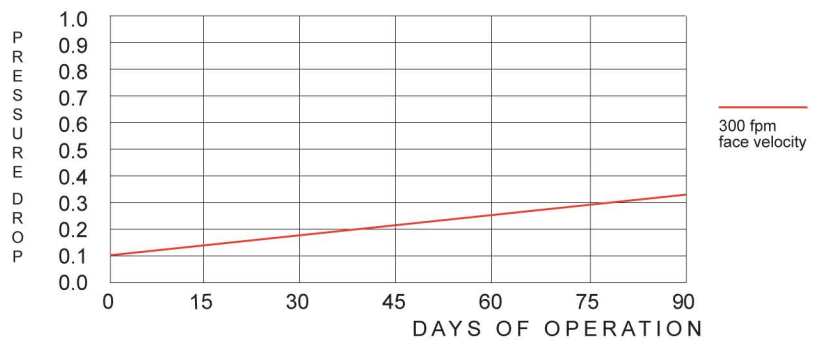
MERV 13* (LEED Compliant)

Low Pressure Drop	Easily Retrofitted
Simple Maintenance	Tandem Units Together

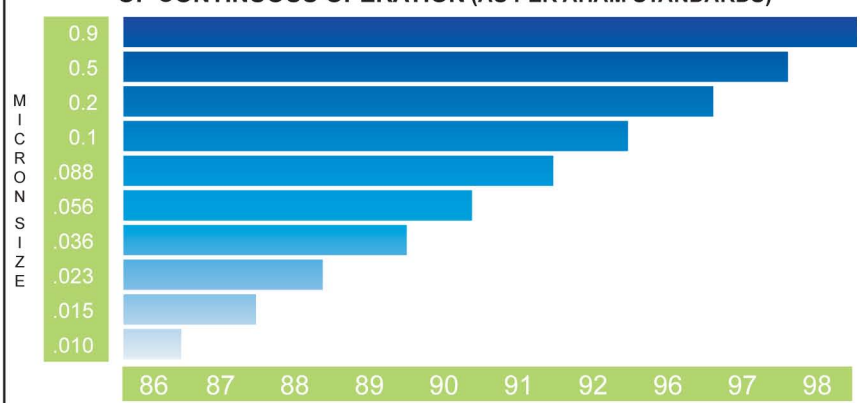
The MODEL 1500 uses ELECTRONIC POLARIZATION to traps airborne contaminants like dust, dander and pollen. The MODEL 1500 effectively traps particles smaller than .007 microns(below MERV), which can pose serious health risks. These include formaldehyde, viruses, bacteria and many other pathogens. The Model 1500 is twice as effective as a HEPA filter at .007 microns and up to 45 times as effective as most pleated filters

The MODEL 1500 has low static pressure drop, significantly better than most throwaway filters. Air flows more easily through it, reducing operating costs by up to 15%.

PRESSURE DROP LIFE CYCLE PERFORMANCE FOR A MODEL 1500 BASED ON A CONSTANT AIR VOLUME SYSTEM



MODEL 1500 FILTRATION PERFORMANCE OVER 30 MINUTES OF CONTINUOUS OPERATION (AS PER AHAM STANDARDS)



TEST CONDUCTED AT 300FPM IN A 1,008 CU. FT. ROOM

STANDARD SIZES (inches)

10x20	12x24	16x24
16x25	18x20	20x20
20x24	20x25	24x24

AND ANY CUSTOM TO 576 SQ"

OVERSIZED AVAILABLE

SPECIFICATIONS

PRESSURE DROP:
.13 in.w.c @ 300 fpm

NOMINAL INPUT:
24 Volts (floating)

VOLTAGE RANGE:
18V min to 30V max (floating)

CONSUMPTION:
2 watts

APPARENT POWER:
1.5VA

Recommended Maintenance:
Every 3 Months

ECOairflow

Tel: 1-877-347-3569
Fax: 1-866-367-8826
www.ecoairflow.com

* MERV 13 is a equivalent rating, based on an initial 52.2 test performed at IBR labs in 2005. ASHRAE 52.2 initial test was done on a 1" filter with 16g media resulting in a rating of e1 (52.825%), e2 (89.025%), and e3 (98.38%). Air flow face velocity rate was reduced by 15% to achive an increase in the e2 rate of 0.975% need for a MERV 13 rating. E1 and e3 were both well in excess of MERV13 requirements even at 300 FPM. Detailed results can be provided, if requested.

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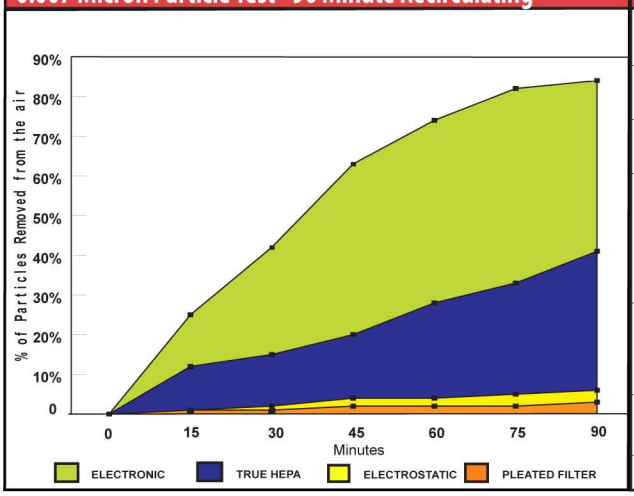
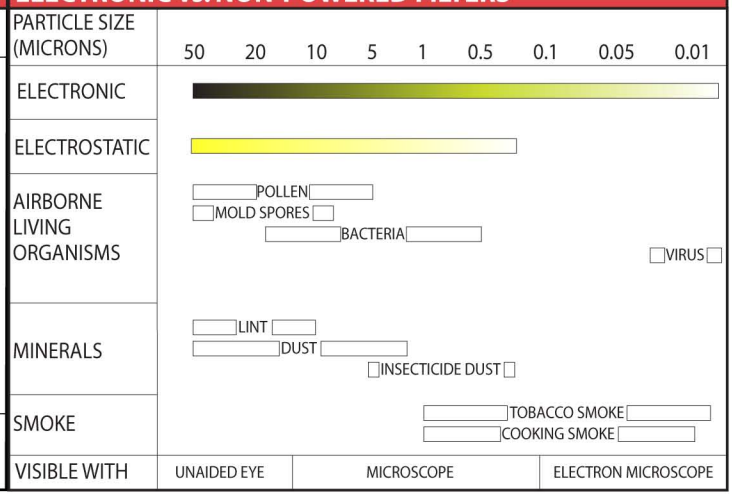
LEED Compliant:

0.007 Micron Particle Test - 90 Minute Recirculating*



ELECTRONIC vs. NON-POWERED FILTERS

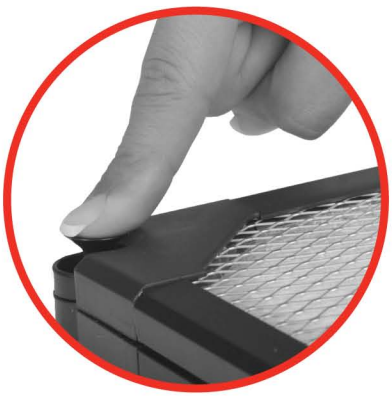


In addition to the MERV 13* rating, the Model 1500 has several other features which add to it's compliance rating. The plastic components are partially made of recycled materials. The plastic and metal components of the filter can be recycled and the glass fiber pads can be recycled as post consumer waste glass.

Low air resistance coupled with low power consumption means the energy consumed within the HVAC system is up to 15% less than with many competitive filters. In a large building, the savings can be considerable.

The Model 1500 is excellent at removing tobacco smoke and other ultra fine particles from the air. It uses attraction and agglomeration to capture tiny particles that just pass through non-electronic filters. The above 90 minute recirculation chart shows how great this difference can be. At .007 microns the Model 1500 is up to 45 times as effective as most pleated filters and even exceeds HEPA filters in capturing particles this small.

POP-UP CORNERS MAKE MAINTENANCE A "SNAP"!



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* Based on AHAM test AC-1 2002 performed at IBR labs in January of 2005. Room size 30x12x8