

Casino Air 7000 Electronic Air Cleaner



FEATURES

- Effectively traps airborne particles as small as .007 microns in size. Passive (non-powered) filters typically are not effective below .3 microns.
- Low pressure drop. Lower operating costs.
- Available in custom configurations to suit various application requirements.
- Tandem power source allows banking multiple filters from a single power source.
- Filter has been tested in an ASHRAE certified wind tunnel to perform at a MERV 16 level in a v-bank configuration with a face velocity of 500 fpm
- LEED compliant. The MERV rating coupled with the use of recyclable materials make it an ideal choice.

APPLICATION

The CA7000 Commercial Air Cleaner is excellent at removing tobacco smoke from the air. It uses electronic polarization to trap airborne contaminants like tar, nicotine, paper ash and other microscopic particulates that just pass through non-electronic filters. The CA7000 is twice as effective as a HEPA filter at .007 microns and up to 45 times as effective as most pleated filters.

The CA7000 has low static pressure drop, significantly better than most throwaway filters. Air flows more easily through it, reducing operating costs by up to 15%. Low air resistance coupled with low power consumption means energy consumed within the HVAC system is up to 15% less than with many competitive filters. In a large commercial building, the savings can be considerable.

In addition to the MERV 14 rating, the CA7000 has several other features which add to its compliance rating. 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.

SPECIFICATIONS

Applications:
Commercial IAQ

Pressure Drop:
0.19 in.w.c @300 fpm
0.3 in.w.c @500 fpm

Normal Input Voltage:
24 Volts (floating)

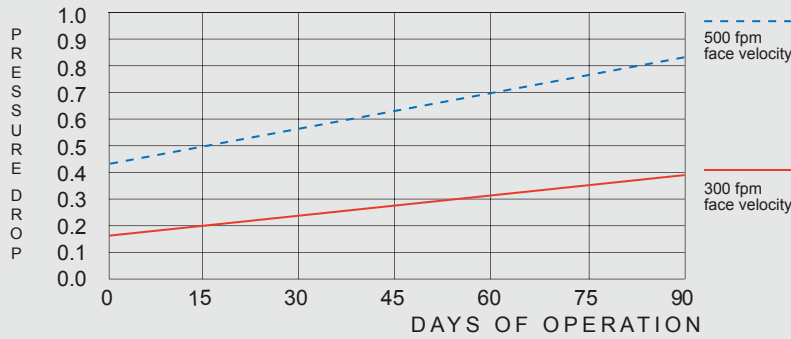
Input Voltage Range:
24 V min to 30 V max

Power Consumption:
2 watts

Apparent Power:
Allow 1.5 VA

MERV Rating:
MERV 14

PRESSURE DROP LIFE CYCLE PERFORMANCE FOR A MODEL CA7000 BASED ON CONSTANT AIR VOLUME SYSTEM



STANDARD SIZES (inches)

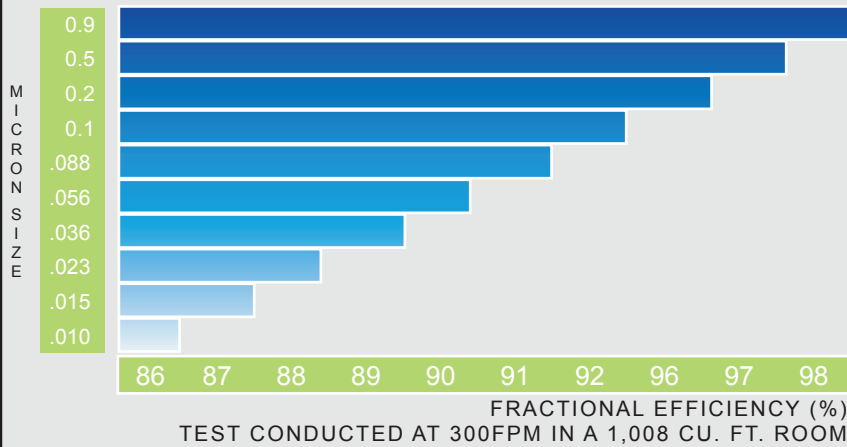
10x20 12x24 16x24
 16x25 18x20 20x20
 20x24 20x25 24x24
 AND ANY CUSTOM TO 576 SQ"

OVERSIZED AVAILABLE

CERTIFICATION:

Conforms to UL 867
 Conforms to CSA 22.2 NO. 187

MODEL CA7000 FILTRATION PERFORMANCE OVER 30 MINUTES OF CONTINUOUS OPERATION (AS PER AHAM STANDARDS)



COMPONENTS



- a** GLASS FILTER PAD
- b** CARBON STRING PAD
- c** PANEL
- d** POWERHEAD
- e** POP-UP CORNER
- f** METAL POWER BAR



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