

# HV (HIGH VOLUME) HEPA FILTER



Gel seal option

Low pressure drop design for reduced energy consumption

Anodized aluminum frame for chemical resistance and lighter weight

## Higher rated air flows

1" w.g. initial resistance @ 2400 cfm

Extended service life due to large filter media area (430 square feet)

UL 900 Class 2

- Higher rated air flows require less hardware and filters
- Lower pressure drop conserves energy
- Minipleat technology provides better air flow
- 430 square feet of media means a longer service life
- High dust holding capacity allows for fewer filter changeouts
- Cost effective; minimizes total operating costs

## DESCRIPTION

Constructed with a robust, aluminum frame and proven minipleat technology, Filtrair's HV (High Volume) HEPA offers the ultimate in reliable filtration for the most critical of environments.

## FEATURES AND BENEFITS

Filtrair's HV HEPA is specifically designed to perform in adverse, demanding, critical and sensitive conditions. The HV HEPA not only provides security, but offers the lowest total operating costs of any high efficiency filter available today.

## APPLICATIONS

Filtrair's HV HEPA removes a broad range of airborne contaminants including fine dust, smoke, bacteria, viruses, soot, pollen and radioactive particles. This filter is widely used to replace all conventional aluminum separator HEPA filters and other high efficiency HEPA products.

- Final filter applications include: electronic, nuclear, pharmaceutical, hospital, laboratory, aerospace, food processing and optical facilities
- Pre-filter for clean room environments and other critical applications.

# HV (HIGH VOLUME) HEPA FILTER

## HV (HIGH VOLUME) HEPA FILTER TECHNICAL DATA

PAO Efficiency @ .3 micron (DOP Substitute)	95% DOP	99.97% DOP	99.99% DOP*
Approximate EN-1822 Class	H 10	H 12	H 13
Rated Air Flow (cfm)	2400	2400	2400
Media Surface Area (sq. ft.)	430	430	430
Rated Initial Pressure Drop (" w.g.)	0.86	1.0	1.0
Recommended Final Pressure Drop (" w.g.)	2.4	2.4	2.4
Maximum Final Pressure Drop (" w.g.)	3.0	3.0	3.0
Maximum Continuous Temperature (°F)	250	250	250

### Materials

Frame: Anodized Aluminum	•	•	•
Media: Wet Laid Microglass	•	•	•
Separators: Mini-Pleated Packs	•	•	•
Pack Adhesive: Polyurethane	•	•	•
Gasket Material: Closed Cell Poron	•	•	•
Urethane Gel Seal Optional	•	•	•

### Listings

UL 900 Class 2	•	•	•
California State Fire Marshall	•	•	•

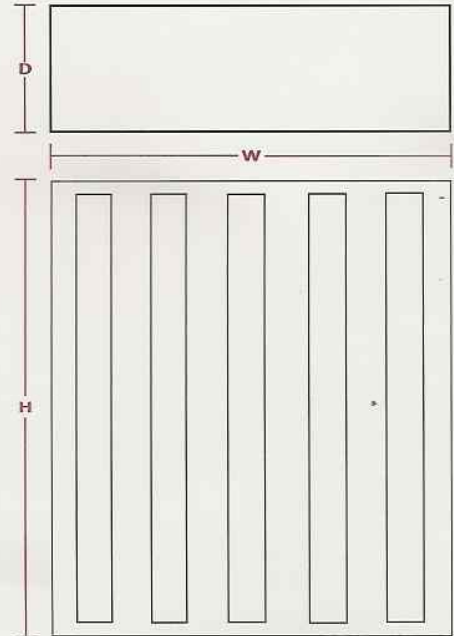
### Weight (lbs.)

24" x 12" x 11 1/2"	22	22	22
24" x 24" x 11 1/2"	42	42	42

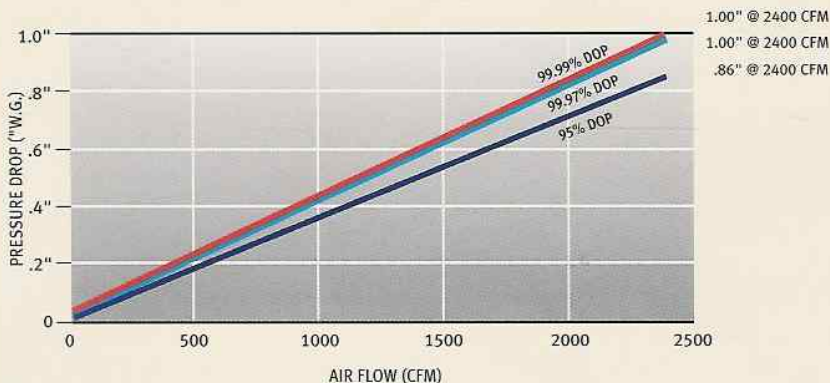
### Actual Filter Dimensions (H x W x D)

24" X 12" x 11 1/2"	•	•	•
24" X 24" x 11 1/2"	•	•	•

\*Not Scanned



## AIR FLOW vs PRESSURE DROP



To determine the approximate pressure drop for half size (24" x 12" x 11.5") filters, divide flow rate in half.

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