

FILTRATION GROUP

HV (HIGH VOLUME) HEPA FILTER



- Higher rated air flows—
1" w.g. initial
resistance @ 2400 cfm
- Extended service life due
to large filter media area
(430 square feet)
- Low pressure drop
design for reduced
energy consumption
- Anodized aluminum
frame for chemical
resistance and lighter
weight
- Gel seal option
- UL 900 Class 2



DESCRIPTION

The Aerostar HV (High Volume) HEPA filters are developed for demanding applications. Constructed with a robust, aluminum frame and our proven minipleat technology, the Aerostar HV offers the ultimate in reliable filtration for the most critical of environments.

FEATURES AND BENEFITS

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

- Higher 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

APPLICATIONS

The Aerostar HV 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.



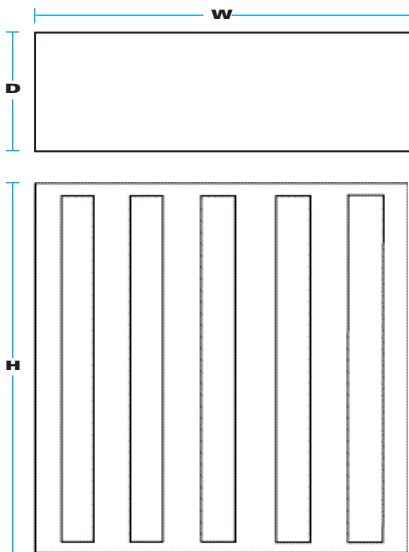
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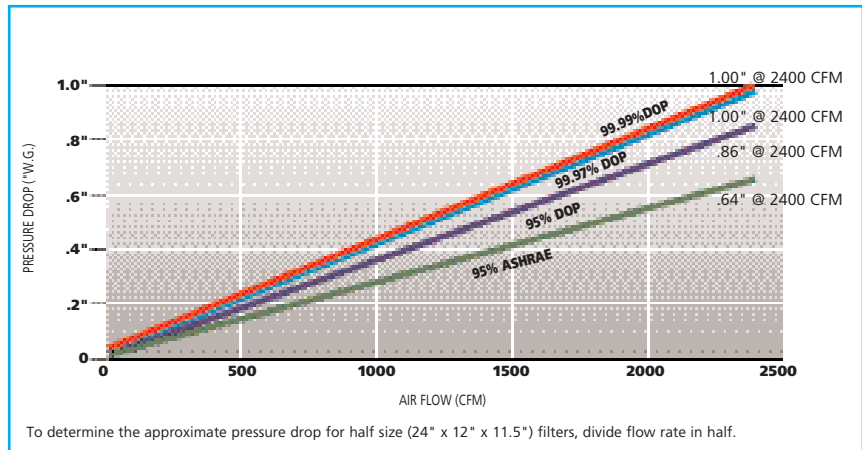
HV HEPA TECHNICAL DATA

PAO Efficiency @ .3 micron (DOP Substitute)	95% ASHRAE	95% DOP	99.97% DOP	99.99% DOP**
Approximate EN-1822 Class (*EN-779 Class)	F 9*	H 10	H 12	H 13
Part # (24 X 24)	40406	40421	40418	40419
Rated Air Flow (cfm)	2400	2400	2400	2400
Media Surface Area (sq. ft.)	430	430	430	430
Rated Initial Pressure Drop (" w.g.)	0.64	0.86	1.0	1.0
Recommended Final Pressure Drop (" w.g.)	2.4	2.4	2.4	2.4
Maximum Final Pressure Drop (" w.g.)	3.0	3.0	3.0	3.0
Maximum Continuous Temperature (°F)	250	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	22
24" X 24" x 11 1/2"	42	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



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