

# FILTRATION GROUP

## HV (HIGH VOLUME) HEPA FILTER



- Higher rated air flows—1" w.g. initial resistance @ 2200 cfm
- Extended service life due to large filter media area (430 square feet)
- Low pressure drop design for reduced energy consumption
- Robust galvanized steel construction for added security



### DESCRIPTION

**T**he Aerostar HV (High Volume) HEPA filters are developed for demanding applications. Constructed with a robust, galvanized or stainless steel 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
- Robust steel frame adds security

- High dust holding capacity allows for fewer filter changeouts
- One piece stamped face plate provides increased strength
- Cost effective; minimizes total operating costs

### APPLICATIONS

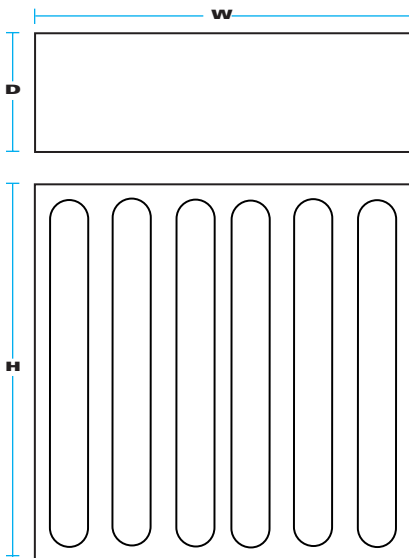
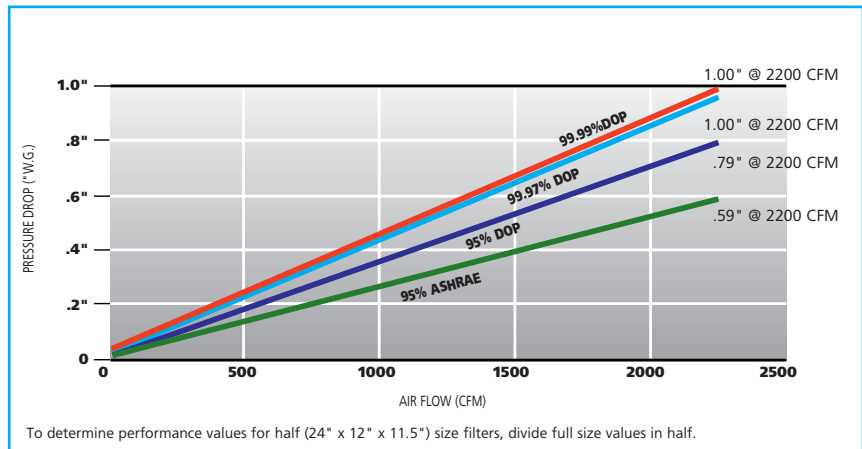
The Aerostar HV removes a broad range of airborne contaminants including fine dust, smoke, bacteria, viruses, soot, pollen and radioactive particles. This filter is widely used to replace all conventional aluminum separator HEPA filters and other high efficiency HEPA products.

- **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.



**HV HEPA TECHNICAL DATA**

PAO Efficiency @ .3 micron (DOP Substitute)	95% ASHRAE	95% DOP	99.97% DOP	99.99% DOP
EUROVENT Classification	EU 9	EU 10	EU 12	EU 13
Part # (24 X 24)	40406	40421	40422	40419
Rated Air Flow (cfm)	2200	2200	2200	2200
Media Surface Area (sq. ft.)	430	430	430	430
Rated Initial Pressure Drop (" w.g.)	.59	.79	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
<b>Materials</b>				
Frame: 20 Gauge Galvanized Steel (Standard)	●	●	●	●
Frame: 20 Gauge 304 Stainless Steel (Optional)	●	●	●	●
Media: Wet Laid Microglass	●	●	●	●
Separators: Continuous Strand Thread	●	●	●	●
Pack Adhesive: Polyurethane	●	●	●	●
Gasket Material: Closed Cell Neoprene	●	●	●	●
<b>Listings</b>				
U.L. 900 Class I	●	●	●	●
California State Fire Marshall	●	●	●	●
<b>Weight (lbs.)</b>				
24" X 12" x 11 1/2"	22	22	22	22
24" X 24" x 11 1/2"	42	42	42	42
<b>Actual Filter Dimensions (H x W x D)</b>				
24" X 12" x 11 1/2"	●	●	●	●
24" X 24" x 11 1/2"	●	●	●	●


**AIR FLOW VS. PRESSURE DROP**

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