

# FILTRATION GROUP

## M-SERIES HEPA & HEPA HC



- Standard and High Capacity styles available
- Advanced Mini-Pleat pack for optimum air flow
- Lightweight design
- Recessed pack allows for easy handling and installation
- Rugged 18 gauge galvanized steel frame
- Low pressure drop design lowers operating cost
- UL Class 2



### DESCRIPTION

The M-Series HEPA and M-Series HEPA HC are designed for value, versatility, and performance. The M-Series is a HEPA (High Efficiency Particulate Air) filter constructed with an advanced mini-pleat pack and bead separators that eliminate the need for the traditional fluted aluminum separators. The advanced pleating structure is much more aerodynamic, reducing the pressure drop across the filter in both standard and high capacity models. The low initial pressure drop results in low operating costs during the life of the filter. The M-Series HEPA is a durable, lower in weight, and extremely cost competitive when compared to traditional HEPA filters.

The M-Series HEPA utilizes wet laid glass media, a robust 18 gauge galvanized metal frame, and is available in 99.97% and 99.99% efficiencies.

### BENEFITS

Recessed pleat pack makes transportation and installation much

easier than a traditional HEPA filter, and further protects the pleat pack during shipping and handling.

Available in both Standard Capacity and High Capacity (HC) models.

Rugged steel frame to ensure integrity during the life of the filter, and will not swell like a wood sided HEPA in humid applications.

### APPLICATIONS

The AeroStar® M-Series HEPA is designed to replace traditional standard capacity and high capacity HEPA filters and provide better air flow. Also, the M-Series HC model allows HVAC efficiency applications seeking HEPA filtration levels to upgrade without modification to equipment or systems. Applications include pharmaceutical, medical, food processing industries, contamination cleanup and hospitals. They can also be used as pre-filters in cleanroom environments and other critical applications for final HEPA and ULPA filters.

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## FLORENCE FILTER CORPORATION

*"Over 35 Years of Filter Excellence"*

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## M-SERIES HEPA & HEPA HC

### DIMENSIONS AND PERFORMANCE DATA

#### 99.97% DOP STANDARD CAPACITY .85" avg IR at 250 fpm

| PART NUMBER | ACTUAL SIZE (H x W x D)  | RATED AIR FLOW (cfm) | SHIPPING WEIGHT (lbs.) |
|-------------|--|----------------------|------------------------|
| 41902       | 23 <sup>3</sup> / <sub>8</sub> x 11 <sup>3</sup> / <sub>8</sub> x 11 <sup>1</sup> / <sub>2</sub> | 500                  | 18                     |
| 41901       | 23 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 11 <sup>1</sup> / <sub>2</sub> | 2000                 | 34                     |
| 41900       | 24 x 12 x 11 <sup>1</sup> / <sub>2</sub>   | 500                  | 18                     |
| 41638       | 24 x 24 x 11 <sup>1</sup> / <sub>2</sub>   | 2000                 | 34                     |

#### 99.97% DOP HIGH CAPACITY 1.25" avg IR at 500 fpm

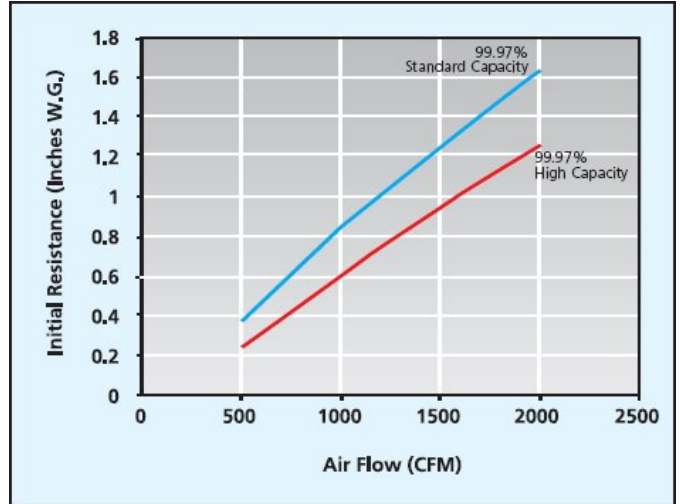
| PART NUMBER | ACTUAL SIZE (H x W x D)  | RATED AIR FLOW (cfm) | SHIPPING WEIGHT (lbs.) |
|-------------|--|----------------------|------------------------|
| 41902HC     | 23 <sup>3</sup> / <sub>8</sub> x 11 <sup>3</sup> / <sub>8</sub> x 11 <sup>1</sup> / <sub>2</sub> | 500                  | 18                     |
| 41901HC     | 23 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 11 <sup>1</sup> / <sub>2</sub> | 2000                 | 34                     |
| 41900HC     | 24 x 12 x 11 <sup>1</sup> / <sub>2</sub>   | 500                  | 18                     |
| 41638HC     | 24 x 24 x 11 <sup>1</sup> / <sub>2</sub>   | 2000                 | 34                     |

\*Contact Customer Service for additional sizes and information

### APPLICATION PARAMETERS

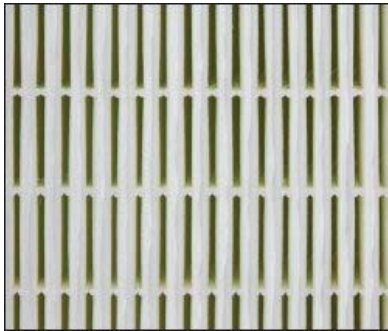
Maximum Constant Temperature: 212° F (100° C)  
 Recommended Final Pressure Drop: 2.0" w.g.  
 Flammability: UL Class 2  
 Relative Humidity: 100%

### M-SERIES HEPA FLOW CURVES



### MATERIALS

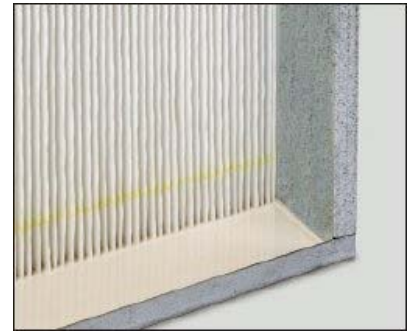
Frames: 18 gauge galvanized steel  
 Media: Wet laid microglass paper  
 Separators: Hot melt  
 Sealant: Polyurethane  
 Gasketing: HD-foam urethane 1/4" x 5/8" wide, ball-in-socket. Joints are filled with flexible sealant to



Precision machine pleating provides optimal air flow.



Recessed pleat pack eases transportation and installation.



The M-series is fully potted to prevent any chance of contaminant by-pass



Each filter is individually tested and labeled with a unique serial number, efficiency, part number and rated CFM to ensure true HEPA efficiency performance.

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