



**mikropor**

Manufacturing Forward

# AIR FILTRATION

PRODUCT CATALOG





**mikropor**



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# BREATHE A SIGH OF RELIEF WITH MIKROPOR

Viruses and air pollution pose great risks for our future and can lead to chronic and acute respiratory tract diseases including stroke, cardiac disease, lung cancer and asthma. However, these risks can be minimized through the reduction of harmful airborne particulate and pollution levels.

The World Health Organization's (WHO) data suggests that 4 million premature deaths are estimated to occur due to air pollution on a global scale. This will ensue from exposure to 2.5 micron and smaller particles\*. Covid-19's global effects have shown that airborne viruses can move swiftly in HVAC systems. Meanwhile, Mikropor forestalls these threats through its products manufactured in accordance with the new global ISO 16890 Standard. To address these concerns and more, Mikropor specializes in high efficiency filtration.

**While our world is at great risk due to airborne viruses and air pollution, Mikropor cleans the air and endeavors for a healthier future.**

\* [www.who.int](http://www.who.int)





# 01

## OUR COMPANY

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Mikropor began its journey in 1987 with a passion to create “tomorrow’s technology” and has become one of the leading manufacturers of atmospheric air filtration solutions and compressed air treatment systems for a variety of industries.

By closely following the latest developments in technology, Mikropor’s “Best in Class” products and solutions are appreciated by customers in more than 140 countries. The company’s sustainable growth has been provided by its passion for innovation and commitment to quality, as well as its dedication to technology. Mikropor is an environmentally conscious company that values people, while developing products that extend the needs and expectations of customers and thus contributes to Turkey’s recognition in the international industrial manufacturing sector.

With this mission, Mikropor continues to become one of the most recognized brands in the world by expanding its global penetration in the field of technological filtration and contributes to a healthier planet.

Mikropor America is strategically located in Northwest, IN. The 26 acre campus features a 185,000 square foot distribution center, along with several onsite storage and maintenance facilities. The hands-on training center supports both HVAC Filtration and Compressed Air Treatment Division.

## MIKROPOR SOLUTIONS IN HVAC APPLICATIONS

Mikropor is a world leader in manufacturing air filters for (five) main applications:

- 1- HVAC
- 2- Food & Beverage Industry
- 3- Pharmaceutical Industry
- 4- Automotive Industry
- 5- Power Generation Industry

## HVAC SYSTEMS

Heating, Ventilation, and Air Conditioning (HVAC); play a major role for improving indoor air quality. In addition to removing particulate and hazardous airborne molecular contaminants, proper filter selection can reduce energy spend and lower carbon footprint.



## FOOD AND BEVERAGE INDUSTRY

Mikropor offers filtration solutions to hygienic HVAC systems which are sensitive against microbial contamination and corrosion. Mikropor's diverse product range is recognized and serves as a partner of food manufactures world wide.





## PHARMACEUTICAL INDUSTRY

Mikropor offers a wide variety of solutions including high efficient EPA, HEPA & ULPA filters and leakage free hood and box variations. Through individual testing Mikropor guarantees the performance and impermeability (leakproof) by using the EN 1822 test standard. All EPA, HEPA & ULPA class filters are delivered with test certificates.

## AUTOMOTIVE INDUSTRY

Mikropor offers a complete range of air filters suitable for a modern-day surface treatment. These systems require either a constant fresh and particle free air or recirculated air without VOC. Mikropor currently supplies Best in Class filtration products for particulate and High Temperature applications to numerous global automotive manufacturers.



## MIKROPOR SOLUTIONS IN HVAC APPLICATIONS

# POWER GENERATION INDUSTRY

Mikropor produces both pulse and static air intake filters used in air intake systems preferred by well-known Gas Turbine manufacturers. The Mikropor gas turbine filtration solutions include unique products such as mini pleated, depth loading, and pulse filters offering high efficiencies and lower pressure drops with higher surface areas. Mikropor can provide filtration solutions with negligible turbine fouling and maximized turbine heat rate. Mikropor also offers solutions for coastal and offshore applications against the highest humidity conditions.





## ► A NEW LOOK AT STANDARDS

We guarantee the efficiency values of our products with the ISO 16890 Standard that tests the capabilities of air filters by using particles on a broader spectrum.



  
**ISO**  
16890

## EN 779:2012

EN 779:2012 Standard classifies air filters according to the lowest filtration efficiency. Particle size that forms a basis to the efficiency is regarded as 0.4  $\mu\text{m}$  and filters are separated into three groups. These groups are; G, M and F.

| EN 779:2012 CLASSIFICATION |       |                          |                                          |                                                    |                                                       |
|----------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| Group                      | Class | Final Pressure Drop (Pa) | Average Arrestance of Synthetic Dust (%) | Average Arrestance 0.4 $\mu\text{m}$ Particles (%) | Minimum Efficiency of 0.4 $\mu\text{m}$ Particles (%) |
| Coarse                     | G1    | 250                      | $50 \leq Am \leq 65$                     | -                                                  | -                                                     |
|                            | G2    | 250                      | $65 \leq Am \leq 80$                     | -                                                  | -                                                     |
|                            | G3    | 250                      | $80 \leq Am \leq 90$                     | -                                                  | -                                                     |
|                            | G4    | 250                      | $90 \geq Am$                             | -                                                  | -                                                     |
| Medium                     | M5    | 450                      | -                                        | $40 \leq Em \leq 60$                               | -                                                     |
|                            | M6    | 450                      | -                                        | $60 \leq Em \leq 80$                               | -                                                     |
| Fine                       | F7    | 450                      | -                                        | $80 \leq Em \leq 90$                               | 35                                                    |
|                            | F8    | 450                      | -                                        | $90 \leq Em \leq 95$                               | 55                                                    |
|                            | F9    | 450                      | -                                        | $95 \leq Em$                                       | 70                                                    |

Mikropor Research and Development laboratory utilizes the latest EN 779:2012 / ISO 16890 test system to develop new products for market needs, improve performance of existing products and to supply filters accordance with the design specifications.

**The Flat Sheet Media Test Rig** is a modular filter testing system for flat filter media. This enables to determine differential pressure curve, fractional efficiency, and dust holding capacity.



# ISO 16890

ISO 16890 Standard is a global testing standard that entered into force in the year 2018. ISO 16890 Standard, used for the classification of air filters has replaced EN 779:2012 Standard.

Since EN 779:2012 could not determine how a filter performs against other particles found in the air while it tests an air filter's capturing capability for 0.4µm particle size only, ISO 16890, which puts air filters' capturing capabilities into test with particles on a broader spectrum (0.3µm-10µm), came into effect.

The ISO 16890 Standard divides air filters into four groups. The prerequisite for each group is for the filter to capture at least 50% of the appropriate particle size.

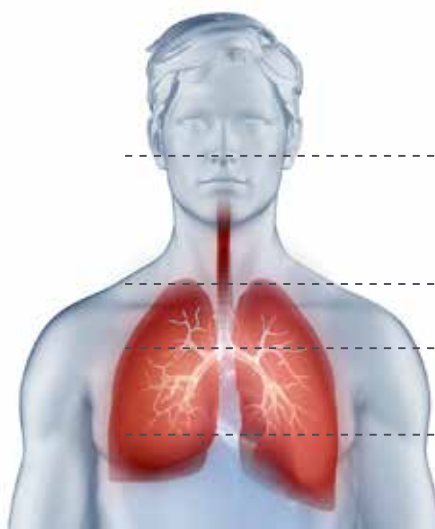
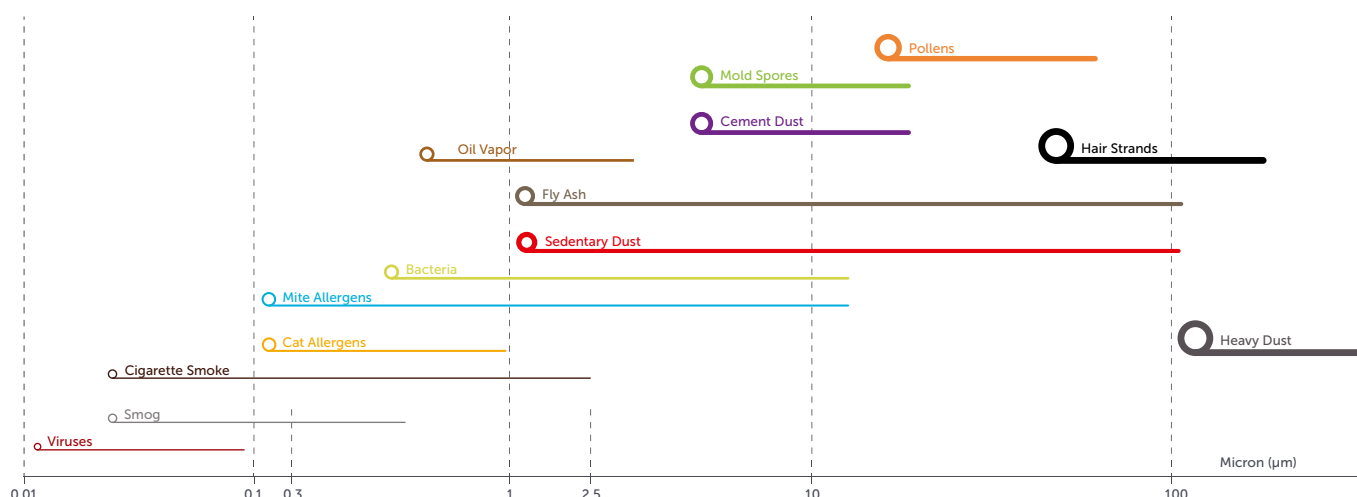
For instance, if a filter can capture more than 50% of PM1\* particles, it is classified as a ISO ePM1 filter.

*\*Pollutants found in the air are called Particulate Matter (PM). PM is accepted as a common indicator for air pollution, and it affects humans more when compared to other pollutants. Main components of PM are sulfate, nitrates, ammonia, sodium chloride, black carbon, mineral salt and water. It consists of the mixture of solid and liquid particles of organic and inorganic matters suspending in the air.*

| FILTER GROUPS |                  |             |            |                                 |
|---------------|------------------|-------------|------------|---------------------------------|
| ISO GROUP     | Min. Requirement |             |            | Class Reporting Value           |
|               | ePM1 min.        | ePM2.5 min. | ePM10 min. |                                 |
| ISO Coarse    | -                | -           | <50%       | Initial gravimetric arrangement |
| ISO ePM10     | -                | -           | ≥50%       | ePM10                           |
| ISO ePM2.5    | -                | ≥50%        | -          | ePM2.5                          |
| ISO ePM1      | ≥50%             | -           | -          | ePM1                            |

| PARTICLE DIAMETER SIZE RANGE |                       |
|------------------------------|-----------------------|
| Efficiency                   | Size Range            |
| ePM10                        | $0.3 \geq x \geq 10$  |
| ePM2.5                       | $0.3 \geq x \geq 2.5$ |
| ePM1                         | $0.3 \geq x \geq 1$   |

## SIZE OF POLLUTANTS IN AIR



### Respirable Particle Size

10µm

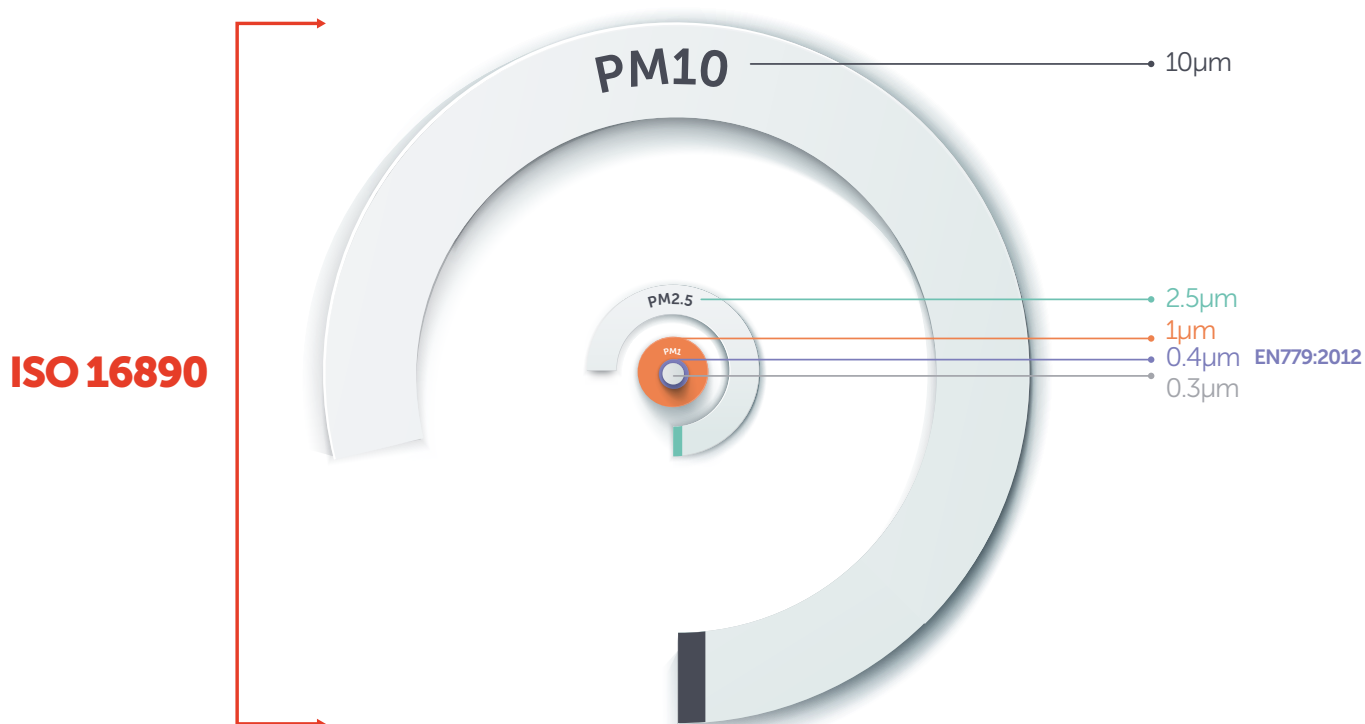
0.3 - 10µm ISO ePM10

0.3 - 2.5µm ISO ePM2.5

0.3 - 1µm ISO ePM1

## COMPARISON OF EN 779:2012 AND ISO 16890 STANDARDS

|                                                | EN 779:2012                                     | ISO 16890                                                                     |
|------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------|
| Partical size for classification               | 0.4µm                                           | from 0.3 to 1µm (PM1)<br>from 0.3 to 2.5µm (PM2.5)<br>from 0.3 to 10µm (PM10) |
| Test aerosol                                   | DEHS                                            | DEHS / from 0.3 to 1µm<br>KCL / from 1 to 10µm                                |
| Electrostatic discharge with IPA (isopropanol) | Media is fully immersed                         | Sample (entire filter) is conditioned with IPA vapour                         |
| Efficiency of discharged filter                | Comparison of sample and filter                 | Average efficiency of treated and untreated (conditioned) filter              |
| Dust feed for classification                   | Incremental dust feed                           | Classification without dust feed                                              |
| Test dust for ISO coarse and energy efficiency | ASHRAE                                          | ISO fine                                                                      |
| Dust feed                                      | 70 mg/m <sup>3</sup>                            | 140 mg/m <sup>3</sup>                                                         |
| Test final differential pressure               | G1, G2, G3, G4=250 Pa                           | PM 10 < 50%=200 Pa                                                            |
|                                                | M5, M6, F7, F8, F9=450 Pa                       | PM 10 ≤ 50%=300 Pa                                                            |
| Classification                                 | from G1 to G4<br>from M5 to M6<br>from F7 to F9 | ISO Coarse<br>ISO ePM10<br>ISO ePM2.5<br>ISO ePM1                             |



# EN 1822

The EN 1822 Standard involves efficient, high-efficient and ultra-low permeability air filters (EPA, HEPA & ULPA) used in ventilating and air-conditioning, cleanroom technologies or applications in nuclear and pharmaceutical industries.

Their classification is based on the measuring of the size of particles (MPPS) passing to the clean side at a specific air speed.

| FILTER CLASSIFICATION | EFFICIENCY (%) @MPPS |             | PENETRATION (%) @MPPS |                   |
|-----------------------|----------------------|-------------|-----------------------|-------------------|
|                       | Overall Value        | Local Value | Overall Penetration   | Local Penetration |
| EN 1822               |                      |             |                       |                   |
| E10                   | 85                   | -           | 15                    | -                 |
| E11                   | 95                   | -           | 5                     | -                 |
| E12                   | 99.50                | -           | 0.5                   | -                 |
| H13                   | 99.95                | 99.75       | 0.05                  | 0.25              |
| H14                   | 99.995               | 99.975      | 0.005                 | 0.025             |
| U15                   | 99.9995              | 99.9975     | 0.0005                | 0.0025            |
| U16                   | 99.99995             | 99.99975    | 0.00005               | 0.00025           |
| U17                   | 99.999995            | 99.9999     | 0.000005              | 0.0001            |

EN 1822 reports must show average and local efficiency at the stated flow rate, initial pressure drop and class of the filter.



## CLEANROOMS

Structures, in which the particle density can be controlled and which are built for minimizing motions (entry, growth and concealment) of particles, germs and other unwanted particulates, are called "cleanrooms". Inside these structures, ambient temperature, humidity and pressure parameters can also be controlled.

| STANDARDS       |                   |                 | PARTICLE COUNT                      |                                     |                                     |                                      |
|-----------------|-------------------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| US 209E<br>1992 | ISO 14644<br>1996 | BS 5295<br>1989 | 0.1 micron<br>(per m <sup>3</sup> ) | 0.3 micron<br>(per m <sup>3</sup> ) | 0.5 micron<br>(per m <sup>3</sup> ) | 0.5 micron<br>(per ft <sup>3</sup> ) |
| -               | CLASS 1           | -               | 10                                  | -                                   | -                                   | -                                    |
| -               | CLASS 2           | -               | 100                                 | 10                                  | -                                   | -                                    |
| 1               | CLASS 3           | C               | 1000                                | 102                                 | 35                                  | 1                                    |
| 10              | CLASS 4           | D               | 10000                               | 1020                                | 353                                 | 10                                   |
| 100             | CLASS 5           | E/F             | 100000                              | 10200                               | 3530                                | 100                                  |
| 1000            | CLASS 6           | G/H             | 1000000                             | 102000                              | 35300                               | 1000                                 |
| 10000           | CLASS 7           | J               | -                                   | -                                   | 353000                              | 10000                                |
| 100000          | CLASS 8           | K               | -                                   | -                                   | 3530000                             | 100000                               |



## PERFORMANCE STANDARD

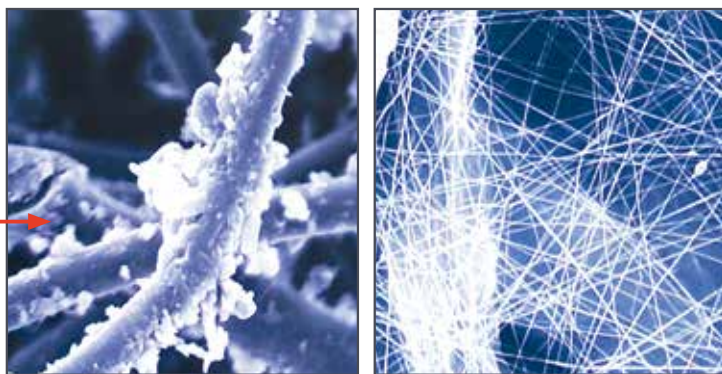
ASHRAE 52.2 is the accepted standard accredited by the American National Standards Institute (ANSI) used to report values of minimum removal efficiency by particle size (0.30 to 10µm).

| ASHRA Standard 52.2-2-2012         |                                                               |           |            | EN           | EN779-2012                  |                      |                     | EN1822:2009        |
|------------------------------------|---------------------------------------------------------------|-----------|------------|--------------|-----------------------------|----------------------|---------------------|--------------------|
| Minimum Efficiency Reporting Value | Composite Average Particle Size Efficiency % in Size Range µm |           |            | Filter Class | Avg. Arrestance of Syn Dust | Avg. Eff. at 0.4 µm  | Min. Eff. at 0.4 µm | Efficiency at MPPS |
|                                    | Range E1                                                      | Range E2  | Range E3   |              | Test Final DP 250 Pa        | Test Final DP 450 Pa |                     |                    |
| MERV                               | 0.3 - 1.0                                                     | 1.0 - 3.0 | 3.0 - 10.0 |              | %                           | %                    | %                   | %                  |
| 1                                  | n/a                                                           | n/a       | E3 < 20%   | G1           | 50%A ≤ 65                   |                      |                     |                    |
| 2                                  | n/a                                                           | n/a       | E3 < 20%   | G2           | 65%A ≤ 80                   |                      |                     |                    |
| 3                                  | n/a                                                           | n/a       | E3 < 20%   |              |                             |                      |                     |                    |
| 4                                  | n/a                                                           | n/a       | E3 < 20%   |              |                             |                      |                     |                    |
| 5                                  | n/a                                                           | n/a       | 20% ≤ E3   | G3           | 80%A ≤ 90                   |                      |                     |                    |
| 6                                  | n/a                                                           | n/a       | 35% ≤ E3   |              |                             |                      |                     |                    |
| 7                                  | n/a                                                           | n/a       | 50% ≤ E3   | G4           | 65%A ≤ 80                   |                      |                     |                    |
| 8                                  | n/a                                                           | 20% ≤ E2  | 70% ≤ E3   |              |                             |                      |                     |                    |
| 9                                  | n/a                                                           | 35% ≤ E2  | 75% ≤ E3   | M5           |                             | 40%A ≤ Em60          |                     |                    |
| 10                                 | n/a                                                           | 50% ≤ E2  | 80% ≤ E3   |              |                             |                      |                     |                    |
| 11                                 | 20% ≤ E1                                                      | 65% ≤ E2  | 85% ≤ E3   | M6           |                             | 60%A ≤ Em80          |                     |                    |
| 12                                 | 35% ≤ E1                                                      | 80% ≤ E2  | 90% ≤ E3   |              |                             |                      |                     |                    |
| 13                                 | 50% ≤ E1                                                      | 85% ≤ E2  | 90% ≤ E3   | F7           |                             | 80% ≤ Em90           | 35                  |                    |
| 14                                 | 75% ≤ E1                                                      | 90% ≤ E2  | 95% ≤ E3   | F8           |                             | 90% ≤ Em95           | 55                  |                    |
| 15                                 | 85% ≤ E1                                                      | 90% ≤ E2  | 95% ≤ E3   | F9           |                             | 95% ≤ Em3            | 70                  |                    |
| 16                                 | 95% ≤ E1                                                      | 95% ≤ E2  | 95% ≤ E3   | E10          |                             |                      |                     | <85                |
| N / A                              | N / A                                                         | N / A     | N / A      | E11          |                             |                      |                     | <95                |
|                                    |                                                               |           |            | E12          |                             |                      |                     | <99.5              |
|                                    |                                                               |           |            | H13          |                             |                      |                     | <99.95             |
|                                    |                                                               |           |            | H14          |                             |                      |                     | <99.995            |
|                                    |                                                               |           |            | U15          |                             |                      |                     | <99.999            |
|                                    |                                                               |           |            | U16          |                             |                      |                     | <99.99995          |
|                                    |                                                               |           |            | U17          |                             |                      |                     | <99.999995         |

# SEM, 3D & NANO

## SEM / Scanning Electron Microscopy

Scanning Electron Microscopy (SEM) is utilized in determining of surface characteristics of newly developed materials. On nano-coated surfaces, uniform and continuous filament formations, where no drop defects occur, are desired. By means of the SEM instrument, having 1.000.000x magnification, morphology of nanofibers can easily be examined. EDX is the technique utilized in order to define elemental composition on any sample or on a respective small area on a sample. EDX analysis in electron microscope is performed by exposing the sample to a scanning electron beam. Thus, elemental composition of the sample can be determined.

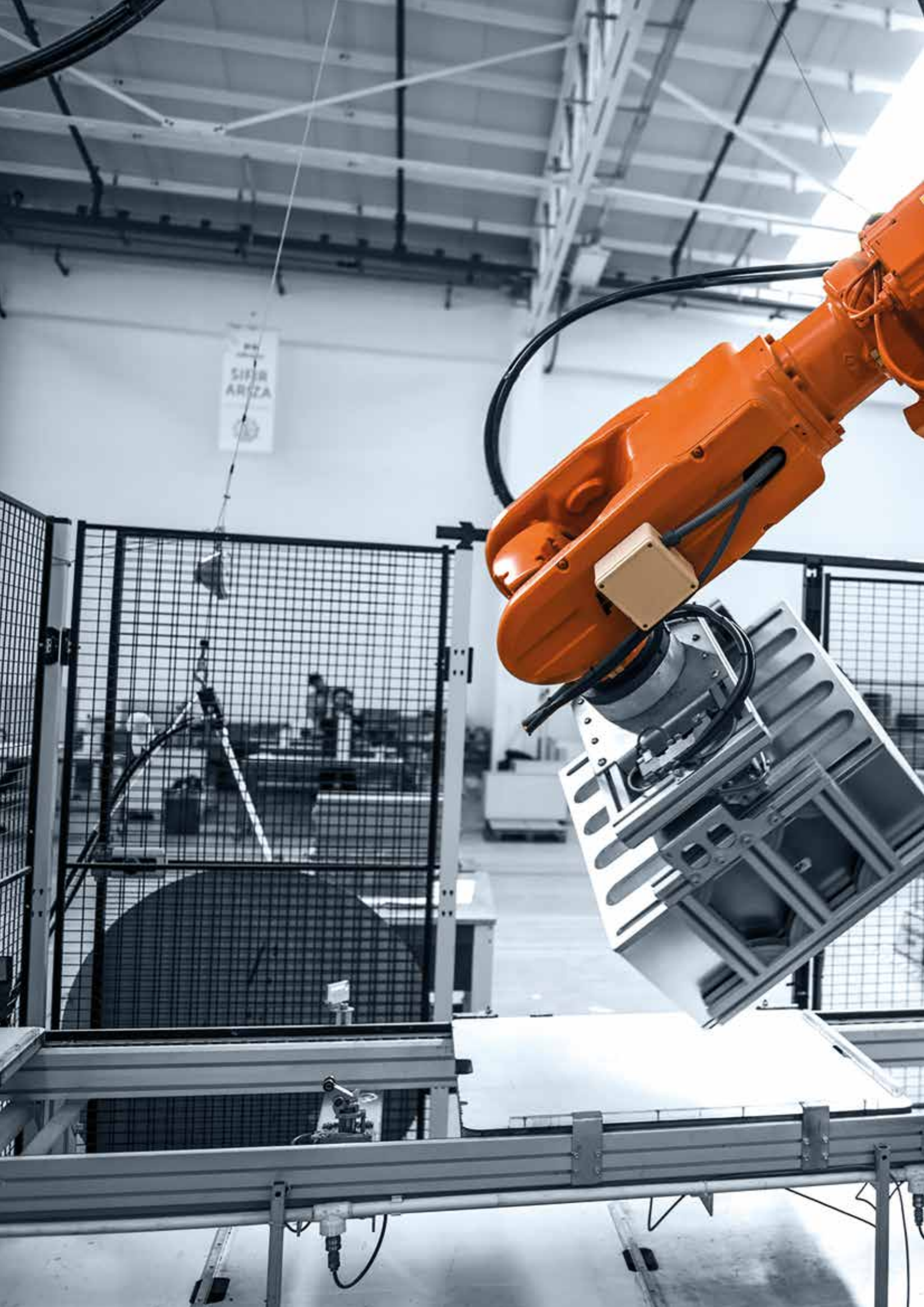


# 3D / Printing System



The 3D printer produces prototypes of designed products faster and with lower cost by utilizing layered production technology.









## COARSE FILTERS

MPR SERIES

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A close-up photograph of the pleated sections of a coarse filter. The pleats are arranged in a repeating V-shape, creating a series of parallel ridges and valleys. The lighting is dramatic, with strong highlights on the ridges and deep shadows in the valleys, emphasizing the three-dimensional texture. The image is split vertically, with the left side being a darker, more saturated blue and the right side being a lighter, more desaturated blue. A semi-transparent dark blue rectangle is positioned in the upper right quadrant, and a semi-transparent dark blue triangle is in the lower left quadrant.

COARSE FILTERS

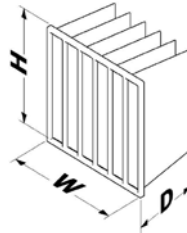
|                       |                      |
|-----------------------|----------------------|
| Media                 | Synthetic            |
| Frame                 | Molded Plastic Frame |
| Final Pressure Drop   | 1.5" w. g.           |
| Operating Temperature | 176°F                |
| Header Thickness      | 0.90"                |

### Applications

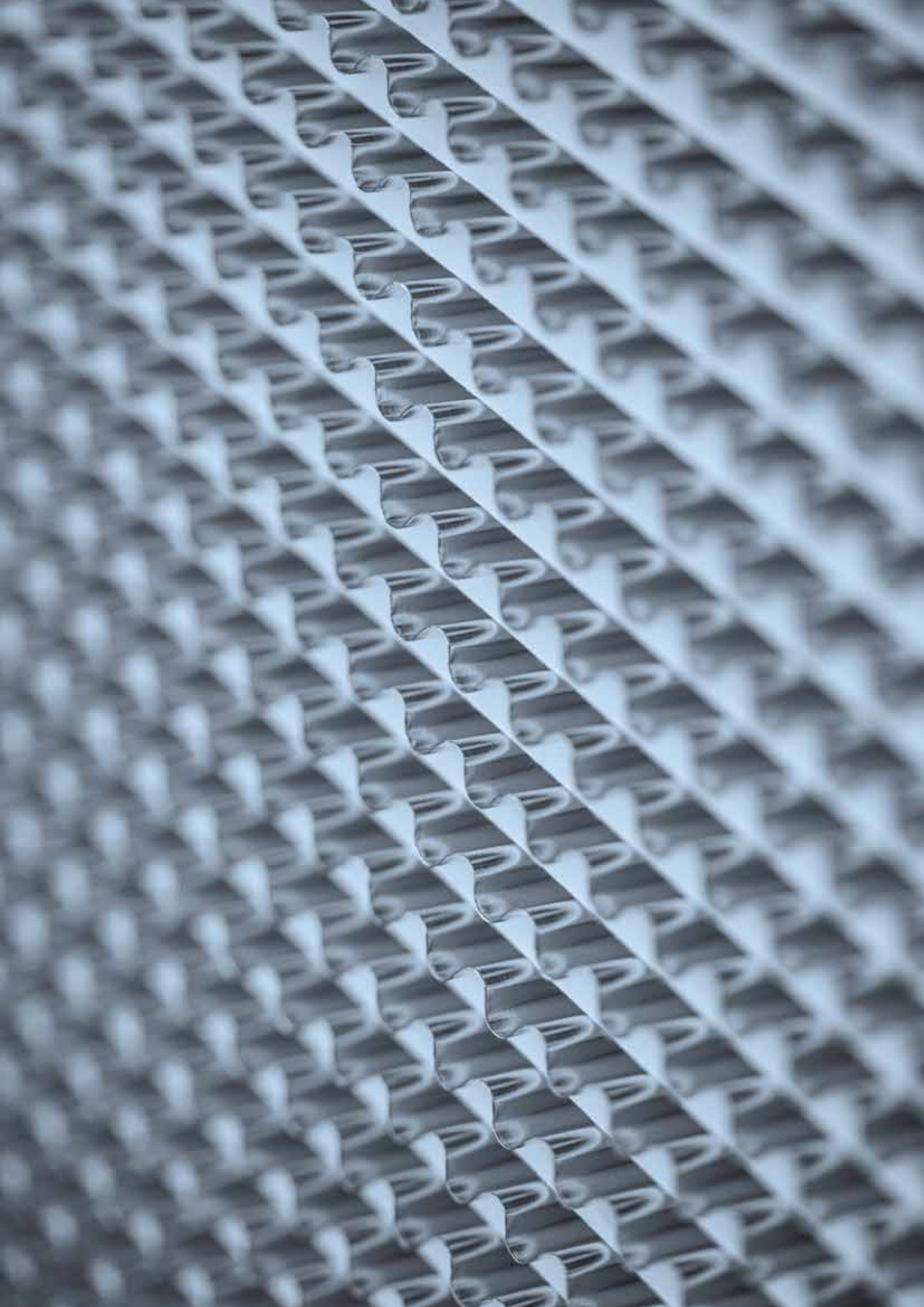
- Automotive industry
- Gas turbine air intake systems
- General ventilation and air conditioning for office buildings, industrial environments, food processing facilities and laboratories

### Advantages

- High dust holding capacity
- Low initial pressure drop
- Rigid self-supporting pocket filter
- Incinerable



| Part Number     | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|-----------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                 |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPR-4-06600-03P | MERV 8      | 24            | 24           | 24           | 23.50         | 23.50        | 23.60        | 53.80              | 2000           | 0.18                         | 6                 |
| MPR-4-03600-01P | MERV 8      | 12            | 24           | 24           | 11.50         | 23.50        | 23.60        | 26.90              | 1000           | 0.18                         | 3                 |
| MPR-4-06360-03P | MERV 8      | 24            | 24           | 14           | 23.50         | 23.50        | 14.20        | 32.30              | 2000           | 0.20                         | 6                 |
| MPR-4-03360-01P | MERV 8      | 12            | 24           | 14           | 11.50         | 23.50        | 14.20        | 16.15              | 1000           | 0.20                         | 3                 |
| MPR-4-08600-03P | MERV 8      | 24            | 24           | 24           | 23.50         | 23.50        | 23.60        | 68.90              | 2000           | 0.18                         | 8                 |
| MPR-4-04600-01P | MERV 8      | 12            | 24           | 24           | 11.50         | 23.50        | 23.60        | 34.45              | 1000           | 0.18                         | 4                 |
| MPR-4-08360-03P | MERV 8      | 24            | 24           | 14           | 23.50         | 23.50        | 14.20        | 42.00              | 2000           | 0.20                         | 8                 |
| MPR-4-04360-01P | MERV 8      | 12            | 24           | 14           | 11.50         | 23.50        | 14.20        | 20.45              | 1000           | 0.20                         | 4                 |
| MPR-5-06600-03P | MERV 9      | 24            | 24           | 24           | 23.50         | 23.50        | 23.60        | 53.80              | 2000           | 0.18                         | 6                 |
| MPR-5-03600-01P | MERV 9      | 12            | 24           | 24           | 11.50         | 23.50        | 23.60        | 26.90              | 1000           | 0.18                         | 3                 |
| MPR-5-06360-03P | MERV 9      | 24            | 24           | 14           | 23.50         | 23.50        | 14.20        | 32.30              | 2000           | 0.22                         | 6                 |
| MPR-5-03360-01P | MERV 9      | 12            | 24           | 14           | 11.50         | 23.50        | 14.20        | 16.15              | 1000           | 0.22                         | 3                 |
| MPR-5-08600-03P | MERV 9      | 24            | 24           | 24           | 23.50         | 23.50        | 23.60        | 68.90              | 2000           | 0.18                         | 8                 |
| MPR-5-04600-01P | MERV 9      | 12            | 24           | 24           | 11.50         | 23.50        | 23.60        | 34.45              | 1000           | 0.18                         | 4                 |
| MPR-5-08360-03P | MERV 9      | 24            | 24           | 14           | 23.50         | 23.50        | 14.20        | 42.00              | 2000           | 0.22                         | 8                 |
| MPR-5-04360-01P | MERV 9      | 12            | 24           | 14           | 11.50         | 23.50        | 14.20        | 20.45              | 1000           | 0.22                         | 4                 |
| MPR-6-06600-03P | MERV 9      | 24            | 24           | 24           | 23.50         | 23.50        | 23.60        | 53.80              | 2000           | 0.20                         | 6                 |
| MPR-6-03600-01P | MERV 9      | 12            | 24           | 24           | 11.50         | 23.50        | 23.60        | 26.90              | 1000           | 0.20                         | 3                 |
| MPR-6-06360-03P | MERV 9      | 24            | 24           | 14           | 23.50         | 23.50        | 14.20        | 32.30              | 2000           | 0.22                         | 6                 |
| MPR-6-03360-01P | MERV 9      | 12            | 24           | 14           | 11.50         | 23.50        | 14.20        | 16.15              | 1000           | 0.22                         | 3                 |
| MPR-6-08600-03P | MERV 9      | 24            | 24           | 24           | 23.50         | 23.50        | 23.60        | 68.90              | 2000           | 0.20                         | 8                 |
| MPR-6-04600-01P | MERV 9      | 12            | 24           | 24           | 11.50         | 23.50        | 23.60        | 34.45              | 1000           | 0.20                         | 4                 |
| MPR-6-08360-03P | MERV 9      | 24            | 24           | 14           | 23.50         | 23.50        | 14.20        | 42.00              | 2000           | 0.22                         | 8                 |
| MPR-6-04360-01P | MERV 9      | 12            | 24           | 14           | 11.50         | 23.50        | 14.20        | 20.45              | 1000           | 0.22                         | 4                 |

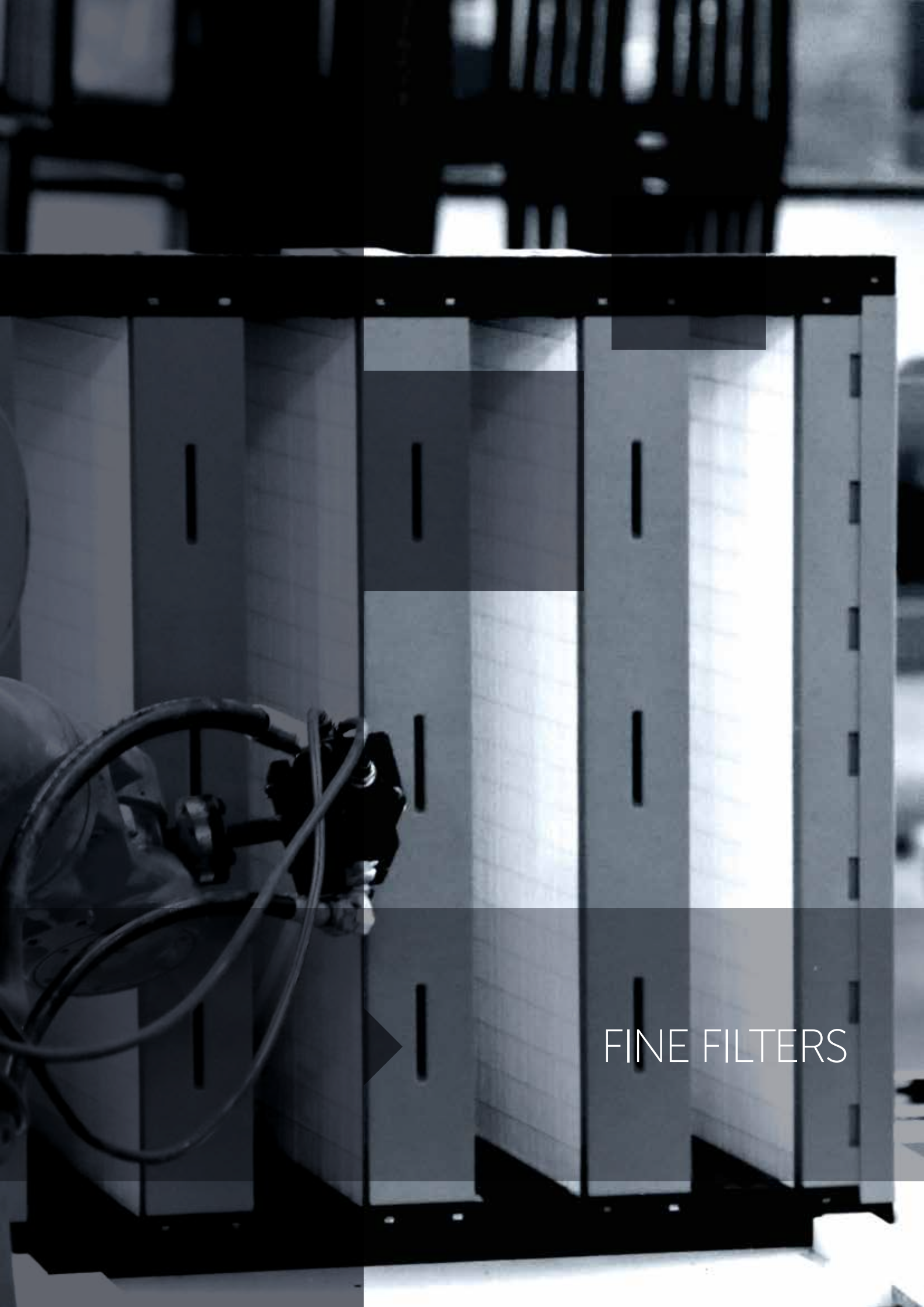




# 03

## FINE FILTERS

|                                     |    |
|-------------------------------------|----|
| MPS FINE SERIES                     | 30 |
| MPS FINE PLASTIC SERIES             | 32 |
| MPS NANOWAVE SERIES                 | 34 |
| MPG SERIES                          | 36 |
| MPF SERIES <small>CARDBOARD</small> | 40 |
| MPF SERIES                          | 42 |
| MPFA SERIES                         | 44 |
| MC SERIES                           | 46 |
| MV6 SERIES                          | 47 |
| MV SERIES                           | 48 |
| MV-2VF SERIES                       | 50 |
| MVX SERIES                          | 51 |



FINE FILTERS

## MPS FINE SERIES

## FINE FILTERS

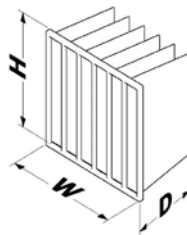
|                       |                  |
|-----------------------|------------------|
| Media                 | Synthetic        |
| Frame                 | Galvanized Steel |
| Final Pressure Drop   | 1.2" w. g.       |
| Operating Temperature | 176°F            |
| Header Thickness      | 0.86"            |

### Applications

- HVAC

### Advantages

- Low initial pressure drop



| Part Number    | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|----------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPS-5-06560-03 | MERV 9      | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 49.50              | 2000           | 0.30                         | 6                 |
| MPS-5-03560-01 | MERV 9      | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 24.75              | 1000           | 0.30                         | 3                 |
| MPS-5-06460-03 | MERV 9      | 24            | 24           | 18           | 23.30         | 23.30        | 18.10        | 40.90              | 2000           | 0.36                         | 6                 |
| MPS-5-03460-01 | MERV 9      | 12            | 24           | 18           | 11.30         | 23.30        | 18.10        | 20.45              | 1000           | 0.36                         | 3                 |
| MPS-5-06380-03 | MERV 9      | 24            | 24           | 15           | 23.30         | 23.30        | 15.00        | 33.40              | 2000           | 0.38                         | 6                 |
| MPS-5-03380-01 | MERV 9      | 12            | 24           | 15           | 11.30         | 23.30        | 15.00        | 17.20              | 1000           | 0.38                         | 3                 |
| MPS-6-06765-03 | MERV 11     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 68.00              | 2000           | 0.30                         | 6                 |
| MPS-6-03765-01 | MERV 11     | 12            | 24           | 30           | 11.30         | 23.30        | 30.10        | 34.40              | 1000           | 0.30                         | 3                 |
| MPS-6-06560-03 | MERV 11     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 49.50              | 2000           | 0.36                         | 6                 |
| MPS-6-03560-01 | MERV 11     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 24.75              | 1000           | 0.36                         | 3                 |
| MPS-6-08765-03 | MERV 11     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 88.25              | 2000           | 0.24                         | 8                 |
| MPS-6-04765-01 | MERV 11     | 12            | 24           | 30           | 23.30         | 23.30        | 30.10        | 44.10              | 1000           | 0.24                         | 4                 |
| MPS-6-08560-03 | MERV 11     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 64.60              | 2000           | 0.30                         | 8                 |
| MPS-6-04560-01 | MERV 11     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 32.30              | 1000           | 0.30                         | 4                 |

| Part Number    | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|----------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPS-7-06765-03 | MERV 13     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 68.00              | 2000           | 0.46                         | 6                 |
| MPS-7-03765-01 | MERV 13     | 12            | 24           | 30           | 11.30         | 23.30        | 30.10        | 34.40              | 1000           | 0.46                         | 3                 |
| MPS-7-06560-03 | MERV 13     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 49.50              | 2000           | 0.52                         | 6                 |
| MPS-7-03560-01 | MERV 13     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 24.75              | 1000           | 0.52                         | 3                 |
| MPS-7-08765-03 | MERV 13     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 88.25              | 2000           | 0.40                         | 8                 |
| MPS-7-04765-01 | MERV 13     | 12            | 24           | 30           | 23.30         | 23.30        | 30.10        | 44.10              | 1000           | 0.40                         | 4                 |
| MPS-7-08560-03 | MERV 13     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 64.60              | 2000           | 0.48                         | 8                 |
| MPS-7-04560-01 | MERV 13     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 32.30              | 1000           | 0.48                         | 4                 |
|                |             |               |              |              |               |              |              |                    |                |                              |                   |
| MPS-8-06765-03 | MERV 14     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 68.00              | 2000           | 0.64                         | 6                 |
| MPS-8-03765-01 | MERV 14     | 12            | 24           | 30           | 11.30         | 23.30        | 30.10        | 34.40              | 1000           | 0.64                         | 3                 |
| MPS-8-06560-03 | MERV 14     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 49.50              | 2000           | 0.76                         | 6                 |
| MPS-8-03560-01 | MERV 14     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 24.75              | 1000           | 0.76                         | 3                 |
| MPS-8-08765-03 | MERV 14     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 88.25              | 2000           | 0.58                         | 8                 |
| MPS-8-04765-01 | MERV 14     | 12            | 24           | 30           | 23.30         | 23.30        | 30.10        | 44.10              | 1000           | 0.58                         | 4                 |
| MPS-8-08560-03 | MERV 14     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 64.60              | 2000           | 0.68                         | 8                 |
| MPS-8-04560-01 | MERV 14     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 32.30              | 1000           | 0.68                         | 4                 |

## ► MPS FINE PLASTIC SERIES

FINE FILTERS ◀

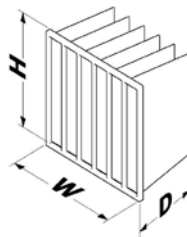
|                       |               |
|-----------------------|---------------|
| Media                 | Synthetic     |
| Frame                 | Plastic (ABS) |
| Final Pressure Drop   | 1.2 " w. g.   |
| Operating Temperature | 176°F         |
| Header Thickness      | 0.90"         |

### Applications

- HVAC

### Advantages

- Low initial pressure drop



| Part Number     | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|-----------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                 |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPS-5-06560-03P | MERV 9      | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 49.50              | 2000           | 0.36                         | 6                 |
| MPS-5-03560-01P | MERV 9      | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 24.75              | 1000           | 0.36                         | 3                 |
| MPS-5-06460-03P | MERV 9      | 24            | 24           | 18           | 23.30         | 23.30        | 18.10        | 40.90              | 2000           | 0.42                         | 6                 |
| MPS-5-03460-01P | MERV 9      | 12            | 24           | 18           | 11.30         | 23.30        | 18.10        | 20.45              | 1000           | 0.42                         | 3                 |
| MPS-5-06380-03P | MERV 9      | 24            | 24           | 15           | 23.30         | 23.30        | 15.00        | 33.40              | 2000           | 0.44                         | 6                 |
| MPS-5-06380-01P | MERV 9      | 12            | 24           | 15           | 11.30         | 23.30        | 15.00        | 18.80              | 1000           | 0.44                         | 3                 |
| MPS-6-06765-03P | MERV 11     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 68.00              | 2000           | 0.36                         | 6                 |
| MPS-6-03765-01P | MERV 11     | 12            | 24           | 30           | 11.30         | 23.30        | 30.10        | 34.40              | 1000           | 0.36                         | 3                 |
| MPS-6-06560-03P | MERV 11     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 49.50              | 2000           | 0.42                         | 6                 |
| MPS-6-03560-01P | MERV 11     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 24.75              | 1000           | 0.42                         | 3                 |
| MPS-6-08765-03P | MERV 11     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 88.25              | 2000           | 0.28                         | 8                 |
| MPS-6-04765-01P | MERV 11     | 12            | 24           | 30           | 11.30         | 23.30        | 30.10        | 44.10              | 1000           | 0.28                         | 4                 |
| MPS-6-08560-03P | MERV 11     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 64.60              | 2000           | 0.34                         | 8                 |
| MPS-6-04560-01P | MERV 11     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 32.30              | 1000           | 0.34                         | 4                 |
| MPS-7-06765-03P | MERV 13     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 68.00              | 2000           | 0.52                         | 6                 |
| MPS-7-03765-01P | MERV 13     | 12            | 24           | 30           | 11.30         | 23.30        | 30.10        | 34.40              | 1000           | 0.52                         | 3                 |
| MPS-7-06560-03P | MERV 13     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 49.50              | 2000           | 0.62                         | 6                 |

| Part Number     | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|-----------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                 |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPS-7-03560-01P | MERV 13     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 24.75              | 1000           | 0.62                         | 3                 |
| MPS-7-08765-03P | MERV 13     | 24            | 24           | 765          | 23.30         | 23.30        | 30.10        | 88.25              | 2000           | 0.48                         | 8                 |
| MPS-7-04765-01P | MERV 13     | 12            | 24           | 765          | 11.30         | 23.30        | 30.10        | 44.10              | 1000           | 0.48                         | 4                 |
| MPS-7-08560-03P | MERV 13     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 64.60              | 2000           | 0.56                         | 8                 |
| MPS-7-04560-01P | MERV 13     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 32.30              | 1000           | 0.56                         | 4                 |
| MPS-8-06765-03P | MERV 14     | 24            | 24           | 30           | 23.30         | 23.30        | 30.10        | 68.00              | 2000           | 0.64                         | 6                 |
| MPS-8-03765-01P | MERV 14     | 12            | 24           | 30           | 11.30         | 23.30        | 30.10        | 34.40              | 1000           | 0.64                         | 3                 |
| MPS-8-06560-03P | MERV 14     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 49.50              | 2000           | 0.72                         | 6                 |
| MPS-8-03560-01P | MERV 14     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 24.75              | 1000           | 0.72                         | 3                 |
| MPS-8-08765-03P | MERV 14     | 24            | 24           | 765          | 23.30         | 23.30        | 30.10        | 88.25              | 2000           | 0.56                         | 8                 |
| MPS-8-04765-01P | MERV 14     | 12            | 24           | 765          | 11.30         | 23.30        | 30.10        | 44.10              | 1000           | 0.56                         | 4                 |
| MPS-8-08560-03P | MERV 14     | 24            | 24           | 22           | 23.30         | 23.30        | 22.04        | 64.60              | 2000           | 0.62                         | 8                 |
| MPS-8-04560-01P | MERV 14     | 12            | 24           | 22           | 11.30         | 23.30        | 22.04        | 32.30              | 1000           | 0.62                         | 4                 |

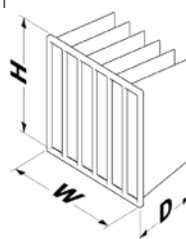
|                              |                                             |
|------------------------------|---------------------------------------------|
| <b>Media</b>                 | Synthetic NANOWAVE                          |
| <b>Frame</b>                 | Galvanised Steel, Stainless Steel, Plastic* |
| <b>Final Pressure Drop</b>   | 1.2" w. g.                                  |
| <b>Operating Temperature</b> | 176°F                                       |
| <b>Humidity</b>              | 100% RH                                     |
| <b>Filter Efficiency*</b>    | MERV11-13                                   |
| <b>Gasket</b>                | Optional                                    |

### Applications

- Galvanised ventilation and air conditioning equipment

### Advantages

- High dust holding capacity
- Low initial pressure drop
- Self-supporting conical sewn pocket



| Part Number                     | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|---------------------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                                 |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPS-6-10-635-592/592-G-N-H22-NW | MERV 11     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 88.30              | 2000           | 0.20                         | 10                |
| MPS-6-8-635-492/592-G-N-H22-NW  | MERV 11     | 20            | 24           | 25           | 23.3          | 19.37        | 25           | 71.60              | 1650           | 0.20                         | 8                 |
| MPS-6-5-635-287/592-G-N-H22-NW  | MERV 11     | 12            | 24           | 25           | 11.3          | 23.3         | 25           | 44.30              | 1000           | 0.20                         | 5                 |
| MPS-6-8-635-592/592-G-N-H22-NW  | MERV 11     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 73.20              | 2000           | 0.22                         | 8                 |
| MPS-6-6-635-492/592-G-N-H22-NW  | MERV 11     | 24            | 24           | 25           | 23.3          | 19.37        | 25           | 55.20              | 1650           | 0.22                         | 6                 |
| MPS-6-4-635-287/592-G-N-H22-NW  | MERV 11     | 11            | 24           | 25           | 11.3          | 23.3         | 25           | 36.30              | 1000           | 0.22                         | 4                 |
| MPS-7-10-635-592/592-G-N-H22-NW | MERV 13     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 88.30              | 2000           | 0.28                         | 10                |
| MPS-7-8-635-492/592-G-N-H22-NW  | MERV 13     | 20            | 24           | 25           | 23.3          | 19.37        | 25           | 71.60              | 1650           | 0.28                         | 8                 |
| MPS-7-5-635-287/592-G-N-H22-NW  | MERV 13     | 12            | 24           | 25           | 11.3          | 23.3         | 25           | 44.30              | 1000           | 0.28                         | 5                 |
| MPS-7-8-635-592/592-G-N-H22-NW  | MERV 13     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 73.20              | 2000           | 0.30                         | 8                 |
| MPS-7-6-635-492/592-G-N-H22-NW  | MERV 13     | 24            | 24           | 25           | 23.3          | 19.37        | 25           | 55.20              | 1650           | 0.30                         | 6                 |
| MPS-7-4-635-287/592-G-N-H22-NW  | MERV 13     | 11            | 24           | 25           | 11.3          | 23.3         | 25           | 36.30              | 1000           | 0.30                         | 4                 |
| MPS-8-10-635-592/592-G-N-H22-NW | MERV 14     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 88.30              | 2000           | 0.30                         | 10                |
| MPS-8-8-635-492/592-G-N-H22-NW  | MERV 14     | 20            | 24           | 25           | 23.3          | 19.37        | 25           | 71.60              | 1650           | 0.30                         | 8                 |
| MPS-8-5-635-287/592-G-N-H22-NW  | MERV 14     | 12            | 24           | 25           | 11.3          | 23.3         | 25           | 44.30              | 1000           | 0.30                         | 5                 |
| MPS-8-8-635-592/592-G-N-H22-NW  | MERV 14     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 73.20              | 2000           | 0.32                         | 8                 |
| MPS-8-6-635-492/592-G-N-H22-NW  | MERV 14     | 24            | 24           | 25           | 23.3          | 19.37        | 25           | 55.20              | 1650           | 0.32                         | 6                 |
| MPS-8-4-635-287/592-G-N-H22-NW  | MERV 14     | 11            | 24           | 25           | 11.3          | 23.3         | 25           | 36.30              | 1000           | 0.32                         | 4                 |

| Part Number                     | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|---------------------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                                 |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPS-9-10-635-592/592-G-N-H22-NW | MERV 15     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 88.30              | 2000           | 0.46                         | 10                |
| MPS-9-8-635-492/592-G-N-H22-NW  | MERV 15     | 20            | 24           | 25           | 23.3          | 19.37        | 25           | 71.60              | 1650           | 0.46                         | 8                 |
| MPS-9-5-635-287/592-G-N-H22-NW  | MERV 15     | 12            | 24           | 25           | 11.3          | 23.3         | 25           | 44.30              | 1000           | 0.46                         | 5                 |
| MPS-9-8-635-592/592-G-N-H22-NW  | MERV 15     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 73.20              | 2000           | 0.48                         | 8                 |
| MPS-9-6-635-492/592-G-N-H22-NW  | MERV 15     | 24            | 24           | 25           | 23.3          | 19.37        | 25           | 55.20              | 1650           | 0.48                         | 6                 |
| MPS-9-4-635-287/592-G-N-H22-NW  | MERV 15     | 11            | 24           | 25           | 11.3          | 23.3         | 25           | 36.30              | 1000           | 0.48                         | 4                 |

|                                      |         |    |    |    |      |       |    |       |      |      |    |
|--------------------------------------|---------|----|----|----|------|-------|----|-------|------|------|----|
| MPS-7-10-635-592/592-G-N-H22-NW-EDHC | MERV 13 | 24 | 24 | 25 | 23.3 | 23.3  | 25 | 88.30 | 2000 | 0.24 | 10 |
| MPS-7-8-635-492/592-G-N-H22-NW-EDHC  | MERV 13 | 20 | 24 | 25 | 23.3 | 19.37 | 25 | 71.60 | 1650 | 0.24 | 8  |
| MPS-7-5-635-287/592-G-N-H22-NW-EDHC  | MERV 13 | 12 | 24 | 25 | 11.3 | 23.3  | 25 | 44.30 | 1000 | 0.24 | 5  |
| MPS-7-8-635-592/592-G-N-H22-NW-EDHC  | MERV 13 | 24 | 24 | 25 | 23.3 | 23.3  | 25 | 73.20 | 2000 | 0.26 | 8  |
| MPS-7-6-635-492/592-G-N-H22-NW-EDHC  | MERV 13 | 24 | 24 | 25 | 23.3 | 19.37 | 25 | 55.20 | 1650 | 0.26 | 6  |
| MPS-7-4-635-287/592-G-N-H22-NW-EDHC  | MERV 13 | 11 | 24 | 25 | 11.3 | 23.3  | 25 | 36.30 | 1000 | 0.26 | 4  |

|                                      |         |    |    |    |      |       |    |       |      |      |    |
|--------------------------------------|---------|----|----|----|------|-------|----|-------|------|------|----|
| MPS-9-10-635-592/592-G-N-H22-NW-EDHC | MERV 15 | 24 | 24 | 25 | 23.3 | 23.3  | 25 | 88.30 | 2000 | 0.34 | 10 |
| MPS-9-8-635-492/592-G-N-H22-NW-EDHC  | MERV 15 | 20 | 24 | 25 | 23.3 | 19.37 | 25 | 71.60 | 1650 | 0.34 | 8  |
| MPS-9-5-635-287/592-G-N-H22-NW-EDHC  | MERV 15 | 12 | 24 | 25 | 11.3 | 23.3  | 25 | 44.30 | 1000 | 0.34 | 5  |
| MPS-9-8-635-592/592-G-N-H22-NW-EDHC  | MERV 15 | 24 | 24 | 25 | 23.3 | 23.3  | 25 | 73.20 | 2000 | 0.36 | 8  |
| MPS-9-6-635-492/592-G-N-H22-NW-EDHC  | MERV 15 | 24 | 24 | 25 | 23.3 | 19.37 | 25 | 55.20 | 1650 | 0.36 | 6  |
| MPS-9-4-635-287/592-G-N-H22-NW-EDHC  | MERV 15 | 11 | 24 | 25 | 11.3 | 23.3  | 25 | 36.30 | 1000 | 0.36 | 4  |

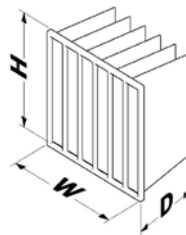
|                              |                  |
|------------------------------|------------------|
| <b>Media</b>                 | Microglass Fiber |
| <b>Frame</b>                 | Galvanized Steel |
| <b>Final Pressure Drop</b>   | 1.5" w. g.       |
| <b>Operating Temperature</b> | 176°F            |
| <b>Header Thickness</b>      | 0.86"            |

### Applications

- HVAC
- Pre-filter of absolute filters

### Advantages

- Low initial pressure drop
- Low energy use



| Part Number    | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|----------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPG-5-10535-03 | MERV 9      | 24            | 24           | 21           | 23.30         | 23.30        | 21.00        | 75.35              | 2000           | 0.22                         | 10                |
| MPG-5-08535-02 | MERV 9      | 24            | 20           | 21           | 23.30         | 19.37        | 21.00        | 51.70              | 1650           | 0.22                         | 8                 |
| MPG-5-05535-01 | MERV 9      | 24            | 12           | 21           | 23.30         | 11.30        | 21.00        | 23.70              | 1000           | 0.22                         | 5                 |
| MPG-5-10635-03 | MERV 9      | 24            | 24           | 25           | 23.30         | 23.30        | 25.00        | 89.30              | 2000           | 0.20                         | 10                |
| MPG-5-08635-02 | MERV 9      | 24            | 20           | 25           | 23.30         | 19.37        | 25.00        | 62.40              | 1650           | 0.20                         | 8                 |
| MPG-5-05635-01 | MERV 9      | 24            | 12           | 25           | 23.30         | 11.30        | 25.00        | 28.00              | 1000           | 0.20                         | 5                 |
| MPG-5-08535-03 | MERV 9      | 24            | 24           | 21           | 23.30         | 23.30        | 21.00        | 61.35              | 2000           | 0.22                         | 8                 |
| MPG-5-06535-02 | MERV 9      | 24            | 20           | 21           | 23.30         | 19.37        | 21.00        | 40.90              | 1650           | 0.22                         | 6                 |
| MPG-5-04535-01 | MERV 9      | 24            | 12           | 21           | 23.30         | 11.30        | 21.00        | 20.45              | 1000           | 0.22                         | 4                 |
| MPG-5-08635-03 | MERV 9      | 24            | 24           | 25           | 23.30         | 23.30        | 25.00        | 73.20              | 2000           | 0.20                         | 8                 |
| MPG-5-06635-02 | MERV 9      | 24            | 20           | 25           | 23.30         | 19.37        | 25.00        | 48.45              | 1650           | 0.20                         | 6                 |
| MPG-5-04635-01 | MERV 9      | 24            | 12           | 25           | 23.30         | 11.30        | 25.00        | 23.70              | 1000           | 0.20                         | 4                 |
| MPG-5-06600-03 | MERV 9      | 24            | 24           | 24           | 23.30         | 23.30        | 23.60        | 53.80              | 2000           | 0.22                         | 6                 |
| MPG-5-04600-02 | MERV 9      | 24            | 20           | 24           | 23.30         | 19.37        | 23.60        | 33.40              | 1650           | 0.22                         | 4                 |
| MPG-5-03600-01 | MERV 9      | 24            | 12           | 24           | 23.30         | 11.30        | 23.60        | 18.30              | 1000           | 0.22                         | 3                 |
| MPG-5-12380-03 | MERV 9      | 24            | 24           | 15           | 23.30         | 23.30        | 15.00        | 62.40              | 2000           | 0.24                         | 12                |
| MPG-5-10380-02 | MERV 9      | 24            | 20           | 15           | 23.30         | 19.37        | 15.00        | 45.20              | 1650           | 0.24                         | 10                |
| MPG-5-06380-01 | MERV 9      | 24            | 12           | 15           | 23.30         | 11.30        | 15.00        | 19.40              | 1000           | 0.24                         | 6                 |

| Part Number    | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|----------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPG-6-10535-03 | MERV 11     | 24            | 24           | 21           | 23.30         | 23.30        | 21.00        | 75.35              | 2000           | 0.26                         | 10                |
| MPG-6-08535-02 | MERV 11     | 24            | 20           | 21           | 23.30         | 19.37        | 21.00        | 51.70              | 1650           | 0.26                         | 8                 |
| MPG-6-05535-01 | MERV 11     | 24            | 12           | 21           | 23.30         | 11.30        | 21.00        | 23.70              | 1000           | 0.26                         | 5                 |
| MPG-6-10635-03 | MERV 11     | 24            | 24           | 25           | 23.30         | 23.30        | 25.00        | 89.30              | 2000           | 0.22                         | 10                |
| MPG-6-08635-02 | MERV 11     | 24            | 20           | 25           | 23.30         | 19.37        | 25.00        | 62.40              | 1650           | 0.22                         | 8                 |
| MPG-6-05635-01 | MERV 11     | 24            | 12           | 25           | 23.30         | 11.30        | 25.00        | 28.00              | 1000           | 0.22                         | 5                 |
| MPG-6-08535-03 | MERV 11     | 24            | 24           | 21           | 23.30         | 23.30        | 21.00        | 61.35              | 2000           | 0.30                         | 8                 |
| MPG-6-06535-02 | MERV 11     | 24            | 20           | 21           | 23.30         | 19.37        | 21.00        | 40.90              | 1650           | 0.30                         | 6                 |
| MPG-6-04535-01 | MERV 11     | 24            | 12           | 21           | 23.30         | 11.30        | 21.00        | 20.45              | 1000           | 0.30                         | 4                 |
| MPG-6-08635-03 | MERV 11     | 24            | 24           | 25           | 23.30         | 23.30        | 25.00        | 73.20              | 2000           | 0.26                         | 8                 |
| MPG-6-06635-02 | MERV 11     | 24            | 20           | 25           | 23.30         | 19.37        | 25.00        | 48.45              | 1650           | 0.26                         | 6                 |
| MPG-6-04635-01 | MERV 11     | 24            | 12           | 25           | 23.30         | 11.30        | 25.00        | 23.70              | 1000           | 0.26                         | 4                 |
| MPG-6-06600-03 | MERV 11     | 24            | 24           | 24           | 23.30         | 23.30        | 23.60        | 53.80              | 2000           | 0.30                         | 6                 |
| MPG-6-04600-02 | MERV 11     | 24            | 20           | 24           | 23.30         | 19.37        | 23.60        | 33.40              | 1650           | 0.30                         | 4                 |
| MPG-6-03600-01 | MERV 11     | 24            | 12           | 24           | 23.30         | 11.30        | 23.60        | 18.30              | 1000           | 0.30                         | 3                 |
| MPG-6-12380-03 | MERV 11     | 24            | 24           | 15           | 23.30         | 23.30        | 15.00        | 62.40              | 2000           | 0.32                         | 12                |
| MPG-6-10380-02 | MERV 11     | 24            | 20           | 15           | 23.30         | 19.37        | 15.00        | 45.20              | 1650           | 0.32                         | 10                |
| MPG-6-06380-01 | MERV 11     | 24            | 12           | 15           | 23.30         | 11.30        | 15.00        | 19.40              | 1000           | 0.32                         | 6                 |
|                |             |               |              |              |               |              |              |                    |                |                              |                   |
| MPG-7-10535-03 | MERV 13     | 24            | 24           | 21           | 23.30         | 23.30        | 21.00        | 75.35              | 2000           | 0.42                         | 10                |
| MPG-7-08535-02 | MERV 13     | 24            | 20           | 21           | 23.30         | 19.37        | 21.00        | 51.70              | 1650           | 0.42                         | 8                 |
| MPG-7-05535-01 | MERV 13     | 24            | 12           | 21           | 23.30         | 11.30        | 21.00        | 23.70              | 1000           | 0.42                         | 5                 |
| MPG-7-10635-03 | MERV 13     | 24            | 24           | 25           | 23.30         | 23.30        | 25.00        | 89.30              | 2000           | 0.38                         | 10                |
| MPG-7-08635-02 | MERV 13     | 24            | 20           | 25           | 23.30         | 19.37        | 25.00        | 62.40              | 1650           | 0.38                         | 8                 |
| MPG-7-05635-01 | MERV 13     | 24            | 12           | 25           | 23.30         | 11.30        | 25.00        | 28.00              | 1000           | 0.38                         | 5                 |
| MPG-7-08535-03 | MERV 13     | 24            | 24           | 21           | 23.30         | 23.30        | 21.00        | 61.35              | 2000           | 0.42                         | 8                 |
| MPG-7-06535-02 | MERV 13     | 24            | 20           | 21           | 23.30         | 19.37        | 21.00        | 40.90              | 1650           | 0.42                         | 6                 |
| MPG-7-04535-01 | MERV 13     | 24            | 12           | 21           | 23.30         | 11.30        | 21.00        | 20.45              | 1000           | 0.42                         | 4                 |
| MPG-7-08635-03 | MERV 13     | 24            | 24           | 25           | 23.30         | 23.30        | 25.00        | 73.20              | 2000           | 0.36                         | 8                 |
| MPG-7-06635-02 | MERV 13     | 24            | 20           | 25           | 23.30         | 19.37        | 25.00        | 48.45              | 1650           | 0.36                         | 6                 |
| MPG-7-04635-01 | MERV 13     | 24            | 12           | 25           | 23.30         | 11.30        | 25.00        | 23.70              | 1000           | 0.36                         | 4                 |
| MPG-7-06600-03 | MERV 13     | 24            | 24           | 24           | 23.30         | 23.30        | 23.60        | 53.80              | 2000           | 0.44                         | 6                 |
| MPG-7-04600-02 | MERV 13     | 24            | 20           | 24           | 23.30         | 19.37        | 23.60        | 33.40              | 1650           | 0.44                         | 4                 |
| MPG-7-03600-01 | MERV 13     | 24            | 12           | 24           | 23.30         | 11.30        | 23.60        | 18.30              | 1000           | 0.44                         | 3                 |

| Part Number    | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) | Number of Pockets |
|----------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|-------------------|
|                |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |                   |
| MPG-8-10535-03 | MERV 15     | 24            | 24           | 21           | 23.3          | 23.3         | 21           | 75.35              | 2000           | 0.60                         | 10                |
| MPG-8-08535-02 | MERV 15     | 24            | 20           | 21           | 23.3          | 19.3         | 21           | 51.70              | 1650           | 0.60                         | 8                 |
| MPG-8-05535-01 | MERV 15     | 24            | 12           | 21           | 23.3          | 11.3         | 21           | 23.70              | 1000           | 0.60                         | 5                 |
| MPG-8-10635-03 | MERV 15     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 89.30              | 2000           | 0.56                         | 10                |
| MPG-8-08635-02 | MERV 15     | 24            | 20           | 25           | 23.3          | 19.3         | 25           | 62.40              | 1650           | 0.56                         | 8                 |
| MPG-8-05635-01 | MERV 15     | 24            | 12           | 25           | 23.3          | 11.3         | 25           | 28.00              | 1000           | 0.56                         | 5                 |
| MPG-8-08535-03 | MERV 15     | 24            | 24           | 21           | 23.3          | 23.3         | 21           | 61.35              | 2000           | 0.64                         | 8                 |
| MPG-8-06535-02 | MERV 15     | 24            | 20           | 21           | 23.3          | 19.3         | 21           | 40.90              | 1650           | 0.64                         | 6                 |
| MPG-8-04535-01 | MERV 15     | 24            | 12           | 21           | 23.3          | 11.3         | 21           | 20.45              | 1000           | 0.64                         | 4                 |
| MPG-8-08635-03 | MERV 15     | 24            | 24           | 25           | 23.3          | 23.3         | 25           | 73.20              | 2000           | 0.58                         | 8                 |
| MPG-8-06635-02 | MERV 15     | 24            | 20           | 25           | 23.3          | 19.3         | 25           | 48.45              | 1650           | 0.58                         | 6                 |
| MPG-8-04635-01 | MERV 15     | 24            | 12           | 25           | 23.3          | 11.3         | 25           | 23.70              | 1000           | 0.58                         | 4                 |
| MPG-8-06600-03 | MERV 15     | 24            | 24           | 24           | 23.3          | 23.3         | 23.6         | 53.80              | 2000           | 0.60                         | 6                 |
| MPG-8-04600-02 | MERV 15     | 24            | 20           | 24           | 23.3          | 19.3         | 23.6         | 33.40              | 1650           | 0.60                         | 4                 |
| MPG-8-03600-01 | MERV 15     | 24            | 12           | 24           | 23.3          | 11.3         | 23.6         | 18.30              | 1000           | 0.60                         | 3                 |



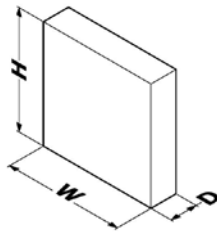
**Media** Microglass Fiber  
**Frame** Cardboard  
**Final Pressure Drop** 1.5" w. g.  
**Operating Temperature** 176°F  
**Sealant** Wood Glue  
**Separator** Hot Melt

**Applications**

- HVAC

**Advantages**

- Compact and rigid
- Low energy use
- High surface area
- Metal free



| Part Number        | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|--------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                    |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MPF-287/595/45-6KN | MERV 11     | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 32.20              | 600            | 0.26                         |
| MPF-495/595/45-6KN | MERV 11     | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 53.80              | 1000           | 0.26                         |
| MPF-595/595/45-6KN | MERV 11     | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 64.50              | 1200           | 0.26                         |
| MPF-287/595/95-6KN | MERV 11     | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 59.20              | 850            | 0.32                         |
| MPF-495/595/95-6KN | MERV 11     | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 96.90              | 1400           | 0.32                         |
| MPF-595/595/95-6KN | MERV 11     | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 118.40             | 1700           | 0.32                         |
|                    |             |               |              |              |               |              |              |                    |                |                              |
| MPF-287/595/45-7KN | MERV 13     | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 64.50              | 600            | 0.32                         |
| MPF-495/595/45-7KN | MERV 13     | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 53.80              | 1000           | 0.32                         |
| MPF-595/595/45-7KN | MERV 13     | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 32.20              | 1200           | 0.32                         |
| MPF-287/595/95-7KN | MERV 13     | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 118.40             | 850            | 0.36                         |

| Part Number        | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|--------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                    |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MPF-495/595/95-7KN | MERV 13     | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 96.90              | 1400           | 0.36                         |
| MPF-595/595/95-7KN | MERV 13     | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 59.20              | 1700           | 0.36                         |
| MPF-287/595/45-8KN | MERV 14     | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 64.50              | 600            | 0.40                         |
| MPF-495/595/45-8KN | MERV 14     | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 53.80              | 1000           | 0.40                         |
| MPF-595/595/45-8KN | MERV 14     | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 32.20              | 1200           | 0.40                         |
| MPF-287/595/95-8KN | MERV 14     | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 118.40             | 850            | 0.42                         |
| MPF-495/595/95-8KN | MERV 14     | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 96.90              | 1400           | 0.42                         |
| MPF-595/595/95-8KN | MERV 14     | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 59.20              | 1700           | 0.42                         |
| MPF-287/595/45-9KN | MERV 15     | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 64.50              | 600            | 0.58                         |
| MPF-495/595/45-9KN | MERV 15     | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 53.80              | 1000           | 0.58                         |
| MPF-595/595/45-9KN | MERV 15     | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 32.20              | 1200           | 0.58                         |
| MPF-287/595/95-9KN | MERV 15     | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 118.40             | 850            | 0.60                         |
| MPF-495/595/95-9KN | MERV 15     | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 96.90              | 1400           | 0.60                         |
| MPF-595/595/95-9KN | MERV 15     | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 59.20              | 1700           | 0.60                         |

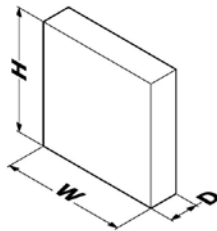
|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| <b>Media</b>                 | Microglass Fiber                                           |
| <b>Frame</b>                 | Galvanized Steel, Aluminium, Stainless Steel, MDF, Plastic |
| <b>Final Pressure Drop</b>   | 1.5" w. g.                                                 |
| <b>Operating Temperature</b> | 176°F                                                      |
| <b>Gasket</b>                | Optional                                                   |
| <b>Sealant</b>               | Polyurethane                                               |
| <b>Separator</b>             | Hot Melt                                                   |

### Applications

- HVAC

### Advantages

- Compact and rigid
- Low energy use
- High surface area



| Part Number         | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|---------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                     |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MPF-287/592/48-6GN  | MERV 11     | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 32.20              | 1000           | 0.60                         |
| MPF-492/592/48-6GN  | MERV 11     | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 53.80              | 1650           | 0.60                         |
| MPF-592/592/48-6GN  | MERV 11     | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 64.50              | 2000           | 0.60                         |
| MPF-287/592/96-6GN  | MERV 11     | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 59.20              | 1000           | 0.42                         |
| MPF-492/592/96-6GN  | MERV 11     | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 96.90              | 1650           | 0.42                         |
| MPF-592/592/96-6GN  | MERV 11     | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 118.40             | 2000           | 0.42                         |
| MPF-287/592/150-6GN | MERV 11     | 12            | 24           | 6            | 11.30         | 23.30        | 5.90         | 80.70              | 1650           | 0.32                         |
| MPF-492/592/150-6GN | MERV 11     | 20            | 24           | 6            | 19.37         | 23.30        | 5.90         | 134.50             | 1000           | 0.32                         |
| MPF-592/592/150-6GN | MERV 11     | 24            | 24           | 6            | 23.30         | 23.30        | 5.90         | 161.40             | 2000           | 0.32                         |
| MPF-287/592/48-7GN  | MERV 13     | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 32.20              | 1000           | 0.66                         |
| MPF-492/592/48-7GN  | MERV 13     | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 53.80              | 1650           | 0.66                         |
| MPF-592/592/48-7GN  | MERV 13     | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 64.50              | 2000           | 0.66                         |
| MPF-287/592/96-7GN  | MERV 13     | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 59.20              | 1000           | 0.44                         |
| MPF-492/592/96-7GN  | MERV 13     | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 96.90              | 1650           | 0.44                         |
| MPF-592/592/96-7GN  | MERV 13     | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 118.40             | 2000           | 0.44                         |
| MPF-287/592/150-7GN | MERV 13     | 12            | 24           | 6            | 11.30         | 23.30        | 5.90         | 80.70              | 1000           | 0.40                         |
| MPF-492/592/150-7GN | MERV 13     | 20            | 24           | 6            | 19.37         | 23.30        | 5.90         | 134.50             | 1650           | 0.40                         |
| MPF-592/592/150-7GN | MERV 13     | 24            | 24           | 6            | 23.30         | 23.30        | 5.90         | 161.40             | 2000           | 0.40                         |

| Part Number         | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|---------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                     |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MPF-287/592/48-8GN  | MERV 14     | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 32.20              | 1000           | 0.80                         |
| MPF-492/592/48-8GN  | MERV 14     | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 53.80              | 1650           | 0.80                         |
| MPF-592/592/48-8GN  | MERV 14     | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 64.50              | 2000           | 0.80                         |
| MPF-287/592/96-8GN  | MERV 14     | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 59.20              | 1000           | 0.52                         |
| MPF-492/592/96-8GN  | MERV 14     | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 96.90              | 1650           | 0.52                         |
| MPF-592/592/96-8GN  | MERV 14     | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 118.40             | 2000           | 0.52                         |
| MPF-287/592/150-8GN | MERV 14     | 12            | 24           | 6            | 11.30         | 23.30        | 5.90         | 80.70              | 1000           | 0.48                         |
| MPF-492/592/150-8GN | MERV 14     | 20            | 24           | 6            | 19.37         | 23.30        | 5.90         | 134.50             | 1650           | 0.48                         |
| MPF-592/592/150-8GN | MERV 14     | 24            | 24           | 6            | 23.30         | 23.30        | 5.90         | 161.40             | 2000           | 0.48                         |
| MPF-287/592/48-9GN  | MERV 15     | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 32.20              | 1000           | 1.20                         |
| MPF-492/592/48-9GN  | MERV 15     | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 53.80              | 1650           | 1.20                         |
| MPF-592/592/48-9GN  | MERV 15     | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 64.50              | 2000           | 1.20                         |
| MPF-287/592/96-9GN  | MERV 15     | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 59.20              | 1000           | 0.74                         |
| MPF-492/592/96-9GN  | MERV 15     | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 96.90              | 1650           | 0.74                         |
| MPF-592/592/96-9GN  | MERV 15     | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 118.40             | 2000           | 0.74                         |
| MPF-287/592/150-9GN | MERV 15     | 12            | 24           | 6            | 11.30         | 23.30        | 5.90         | 80.70              | 1000           | 0.60                         |
| MPF-492/592/150-9GN | MERV 15     | 20            | 24           | 6            | 19.37         | 23.30        | 5.90         | 134.50             | 1650           | 0.60                         |
| MPF-592/592/150-9GN | MERV 15     | 24            | 24           | 6            | 23.30         | 23.30        | 5.90         | 161.40             | 2000           | 0.60                         |

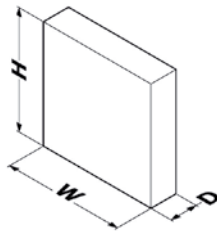
|                              |                           |
|------------------------------|---------------------------|
| <b>Media</b>                 | Synthetic                 |
| <b>Frame</b>                 | Plastic                   |
| <b>Final Pressure Drop</b>   | 1.5" w. g.                |
| <b>Operating Temperature</b> | 176°F                     |
| <b>Filter Efficiency*</b>    | MERV 13, MERV 14, MERV 15 |
| <b>Gasket</b>                | Optional                  |
| <b>Sealant</b>               | Polyurethane              |
| <b>Separator</b>             | Hot Melt                  |

### Applications

- HVAC

### Advantages

- High dust holding capacity
- Longer life
- Lowest initial resistance
- Easy handling and installation
- No header or single header models available



| Part Number                | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w.g.) |
|----------------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|-----------------------------|
|                            |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                             |
| MPFA-592/592/96-7PKNNG     | MERV13      | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 69.80              | 2000           | 0.25                        |
| MPFA-492/592/96-7PKNNG     | MERV13      | 24            | 20           | 4            | 23.30         | 19.37        | 3.78         | 58.00              | 1660           | 0.25                        |
| MPFA-287/592/96-7PKNNG     | MERV13      | 24            | 12           | 4            | 23.30         | 11.30        | 3.78         | 33.80              | 1000           | 0.25                        |
| MPFA-492/625/96-7PKNNG     | MERV13      | 25            | 20           | 4            | 24.60         | 19.37        | 3.78         | 61.20              | 1750           | 0.25                        |
| MPFA-392/625/96-7PKNNG     | MERV13      | 25            | 16           | 4            | 24.60         | 15.43        | 3.78         | 48.80              | 1390           | 0.25                        |
| MPFA-492/492/96-7PKNNG     | MERV13      | 20            | 20           | 4            | 19.37         | 19.37        | 3.78         | 48.20              | 1380           | 0.25                        |
| MPFA-392/492/96-7PKNNG     | MERV13      | 20            | 16           | 4            | 19.37         | 15.43        | 3.78         | 38.40              | 1100           | 0.25                        |
| MPFA-592/592/96-7PKNNG-H20 | MERV13      | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 62.80              | 2000           | 0.29                        |
| MPFA-492/592/96-7PKNNG-H20 | MERV13      | 24            | 20           | 4            | 23.30         | 19.37        | 3.78         | 52.20              | 1660           | 0.29                        |
| MPFA-287/592/96-7PKNNG-H20 | MERV13      | 24            | 12           | 4            | 23.30         | 11.30        | 3.78         | 30.40              | 1000           | 0.29                        |
| MPFA-492/625/96-7PKNNG-H20 | MERV13      | 25            | 20           | 4            | 24.60         | 19.37        | 3.78         | 55.10              | 1750           | 0.29                        |
| MPFA-392/625/96-7PKNNG-H20 | MERV13      | 25            | 16           | 4            | 24.60         | 15.43        | 3.78         | 43.90              | 1390           | 0.29                        |
| MPFA-492/492/96-7PKNNG-H20 | MERV13      | 20            | 20           | 4            | 19.37         | 19.37        | 3.78         | 43.40              | 1380           | 0.29                        |
| MPFA-392/492/96-7PKNNG-H20 | MERV13      | 20            | 16           | 4            | 19.37         | 15.43        | 3.78         | 34.60              | 1100           | 0.29                        |
| MPFA-592/592/96-8PKNNG     | MERV14      | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 69.80              | 2000           | 0.26                        |
| MPFA-492/592/96-8PKNNG     | MERV14      | 24            | 20           | 4            | 23.30         | 19.37        | 3.78         | 58.00              | 1660           | 0.26                        |
| MPFA-287/592/96-8PKNNG     | MERV14      | 24            | 12           | 4            | 23.30         | 11.30        | 3.78         | 33.80              | 1000           | 0.26                        |
| MPFA-492/625/96-8PKNNG     | MERV14      | 25            | 20           | 4            | 24.60         | 19.37        | 3.78         | 61.20              | 1750           | 0.26                        |
| MPFA-392/625/96-8PKNNG     | MERV14      | 25            | 16           | 4            | 24.60         | 19.37        | 3.78         | 43.90              | 1390           | 0.26                        |

| Part Number                | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w.g.) |
|----------------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|-----------------------------|
|                            |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                             |
| MPFA-492/492/96-8PKNNG     | MERV14      | 20            | 20           | 4            | 19.37         | 19.37        | 3.78         | 48.20              | 1380           | 0.26                        |
| MPFA-392/492/96-8PKNNG     | MERV14      | 20            | 16           | 4            | 19.37         | 15.43        | 3.78         | 38.40              | 1100           | 0.26                        |
| MPFA-592/592/96-8PKNNG-H20 | MERV14      | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 62.80              | 2000           | 0.30                        |
| MPFA-492/592/96-8PKNNG-H20 | MERV14      | 24            | 20           | 4            | 23.30         | 19.37        | 3.78         | 52.20              | 1660           | 0.30                        |
| MPFA-287/592/96-8PKNNG-H20 | MERV14      | 24            | 12           | 4            | 23.30         | 11.30        | 3.78         | 30.40              | 1000           | 0.30                        |
| MPFA-492/625/96-8PKNNG-H20 | MERV14      | 25            | 20           | 4            | 24.60         | 19.37        | 3.78         | 55.10              | 1750           | 0.30                        |
| MPFA-392/625/96-8PKNNG-H20 | MERV14      | 25            | 16           | 4            | 24.60         | 15.43        | 3.78         | 43.90              | 1390           | 0.30                        |
| MPFA-492/492/96-8PKNNG-H20 | MERV14      | 20            | 20           | 4            | 19.37         | 19.37        | 3.78         | 43.40              | 1380           | 0.30                        |
| MPFA-392/492/96-8PKNNG-H20 | MERV14      | 20            | 16           | 4            | 19.37         | 15.43        | 3.78         | 34.60              | 1100           | 0.30                        |
| MPFA-592/592/96-9PKNNG     | MERV15      | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 69.80              | 2000           | 0.28                        |
| MPFA-492/592/96-9PKNNG     | MERV15      | 24            | 20           | 4            | 23.30         | 19.37        | 3.78         | 58.00              | 1660           | 0.28                        |
| MPFA-287/592/96-9PKNNG     | MERV15      | 24            | 12           | 4            | 23.30         | 11.30        | 3.78         | 33.80              | 1000           | 0.28                        |
| MPFA-492/625/96-9PKNNG     | MERV15      | 25            | 20           | 4            | 24.60         | 19.37        | 3.78         | 61.20              | 1750           | 0.28                        |
| MPFA-392/625/96-9PKNNG     | MERV15      | 25            | 16           | 4            | 24.60         | 15.43        | 3.78         | 48.80              | 1390           | 0.28                        |
| MPFA-492/492/96-9PKNNG     | MERV15      | 20            | 20           | 4            | 19.37         | 19.37        | 3.78         | 48.20              | 1380           | 0.28                        |
| MPFA-392/492/96-9PKNNG     | MERV15      | 20            | 16           | 4            | 19.37         | 15.43        | 3.78         | 38.40              | 1100           | 0.28                        |
| MPFA-592/592/96-9PKNNG-H20 | MERV15      | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 62.80              | 2000           | 0.32                        |
| MPFA-492/592/96-9PKNNG-H20 | MERV15      | 24            | 20           | 4            | 23.30         | 19.37        | 3.78         | 52.20              | 1660           | 0.32                        |
| MPFA-287/592/96-9PKNNG-H20 | MERV15      | 24            | 12           | 4            | 23.30         | 11.30        | 3.78         | 30.40              | 1000           | 0.32                        |
| MPFA-492/625/96-9PKNNG-H20 | MERV15      | 25            | 20           | 4            | 24.60         | 19.37        | 3.78         | 55.10              | 1750           | 0.32                        |
| MPFA-392/625/96-9PKNNG-H20 | MERV15      | 25            | 16           | 4            | 24.60         | 15.43        | 3.78         | 43.90              | 1390           | 0.32                        |
| MPFA-492/492/96-9PKNNG-H20 | MERV15      | 20            | 20           | 4            | 19.37         | 19.37        | 3.78         | 43.40              | 1380           | 0.32                        |
| MPFA-392/492/96-9PKNNG-H20 | MERV15      | 20            | 16           | 4            | 19.37         | 15.43        | 3.78         | 34.60              | 1100           | 0.32                        |

## ► MC SERIES

FINE FILTERS ◀

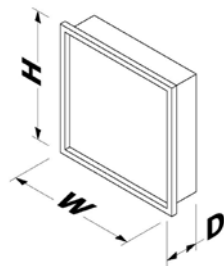
|                              |                             |
|------------------------------|-----------------------------|
| <b>Media</b>                 | Microglass Fiber            |
| <b>Frame</b>                 | Plastic or Galvanized Steel |
| <b>Final Pressure Drop</b>   | 1.5" w. g.                  |
| <b>Operating Temperature</b> | 176°F                       |
| <b>Gasket</b>                | Optional                    |
| <b>Seperator</b>             | Hot Melt                    |
| <b>Sealant</b>               | Polyurethane                |
| <b>Header Thickness</b>      | 0.90"                       |

### Applications

- HVAC
- Pre-filter for cleanroom applications
- Industrial processes

### Advantages

- Compact and rigid
- Low energy consumption
- High surface area



| Part Number        | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|--------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                    |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MC-287/592/130-6GN | MERV 11     | 12            | 24           | 6            | 11.30         | 23.30        | 5.10         | 74.00              | 1000           | 0.48                         |
| MC-492/592/130-6GN | MERV 11     | 20            | 24           | 6            | 19.37         | 23.30        | 5.10         | 121.00             | 1650           | 0.48                         |
| MC-592/592/130-6GN | MERV 11     | 24            | 24           | 6            | 23.30         | 23.30        | 5.10         | 150.00             | 2000           | 0.48                         |
| MC-287/592/130-7GN | MERV 13     | 12            | 24           | 6            | 11.30         | 23.30        | 5.10         | 74.00              | 1000           | 0.54                         |
| MC-492/592/130-7GN | MERV 13     | 20            | 24           | 6            | 19.37         | 23.30        | 5.10         | 121.00             | 1650           | 0.54                         |
| MC-592/592/130-7GN | MERV 13     | 24            | 24           | 6            | 23.30         | 23.30        | 5.10         | 150.00             | 2000           | 0.54                         |
| MC-287/592/130-8GN | MERV 14     | 12            | 24           | 6            | 11.30         | 23.30        | 5.10         | 74.00              | 1000           | 0.60                         |
| MC-492/592/130-8GN | MERV 14     | 20            | 24           | 6            | 19.37         | 23.30        | 5.10         | 121.00             | 1650           | 0.60                         |
| MC-592/592/130-8GN | MERV 14     | 24            | 24           | 6            | 23.30         | 23.30        | 5.10         | 150.00             | 2000           | 0.60                         |
| MC-287/592/130-9GN | MERV 15     | 12            | 24           | 6            | 11.30         | 23.30        | 5.10         | 74.00              | 1000           | 0.70                         |
| MC-492/592/130-9GN | MERV 15     | 20            | 24           | 6            | 19.37         | 23.30        | 5.10         | 121.00             | 1650           | 0.70                         |
| MC-592/592/130-9GN | MERV 15     | 24            | 24           | 6            | 23.30         | 23.30        | 5.10         | 150.00             | 2000           | 0.70                         |

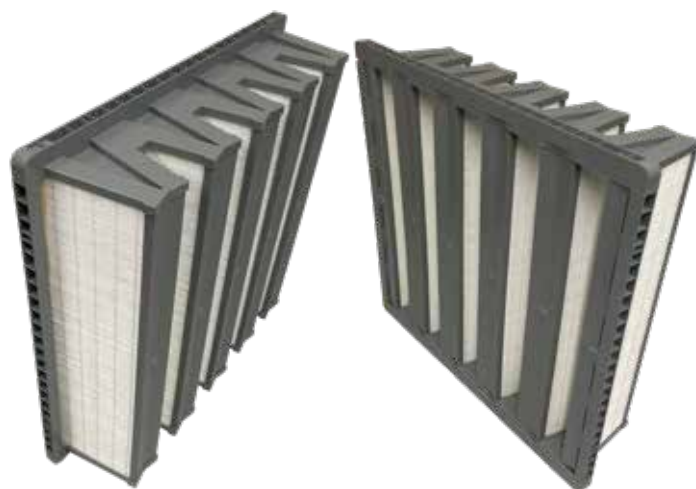
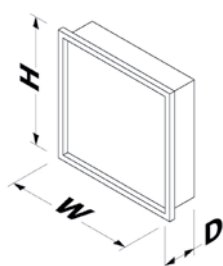
|                       |                  |
|-----------------------|------------------|
| Media                 | Microglass Fiber |
| Frame                 | ABS              |
| Final Pressure Drop   | 1.5" w. g.       |
| Operating Temperature | 176°F            |
| Gasket                | Optional         |
| Sealant               | Hot Melt         |
| Header Thickness      | 3/4"             |

### Applications

- HVAC
- Cleanroom applications
- Air purification of smokes, pollens

### Advantages

- Compact design
- High surface area
- High efficiency
- Energy saver



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**AIR FILTER UNIT**  
**AS TO FLAMMABILITY ONLY**  
**R39025**

| Part Number | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MV6-F6-01   | MERV 11-A   | 24            | 12           | 6            | 23.30         | 11.50        | 5.90         | 64.00              | 1000           | 0.44                         |
| MV6-F6-02   | MERV 11-A   | 24            | 20           | 6            | 23.30         | 19.37        | 5.90         | 107.00             | 1650           | 0.44                         |
| MV6-F6-03   | MERV 11-A   | 24            | 24           | 6            | 23.30         | 23.30        | 5.90         | 129.00             | 2000           | 0.44                         |
| MV6-F7-01   | MERV 13-A   | 24            | 12           | 6            | 23.30         | 11.50        | 5.90         | 64.00              | 1000           | 0.48                         |
| MV6-F7-02   | MERV 13-A   | 24            | 20           | 6            | 23.30         | 19.37        | 5.90         | 107.00             | 1650           | 0.48                         |
| MV6-F7-03   | MERV 13-A   | 24            | 24           | 6            | 23.30         | 23.30        | 5.90         | 129.00             | 2000           | 0.48                         |
| MV6-F8-01   | MERV 14-A   | 24            | 12           | 6            | 23.30         | 11.50        | 5.90         | 64.00              | 1000           | 0.52                         |
| MV6-F8-02   | MERV 14-A   | 24            | 20           | 6            | 23.30         | 19.37        | 5.90         | 107.00             | 1650           | 0.52                         |
| MV6-F8-03   | MERV 14-A   | 24            | 24           | 6            | 23.30         | 23.30        | 5.90         | 129.00             | 2000           | 0.52                         |
| MV6-F9-01   | MERV 15-A   | 24            | 12           | 6            | 23.30         | 11.50        | 5.90         | 64.00              | 1000           | 0.64                         |
| MV6-F9-02   | MERV 15-A   | 24            | 20           | 6            | 23.30         | 19.37        | 5.90         | 107.00             | 1650           | 0.64                         |
| MV6-F9-03   | MERV 15-A   | 24            | 24           | 6            | 23.30         | 23.30        | 5.90         | 129.00             | 2000           | 0.64                         |

|                              |                  |
|------------------------------|------------------|
| <b>Media</b>                 | Microglass Fiber |
| <b>Frame</b>                 | ABS              |
| <b>Final Pressure Drop</b>   | 1.5" w. g.       |
| <b>Operating Temperature</b> | 176°F            |
| <b>Gasket</b>                | Optional         |
| <b>Sealant</b>               | Polyurethane     |
| <b>Separators</b>            | Hot Melt         |
| <b>Header Thickness</b>      | 3/4" or 1"       |

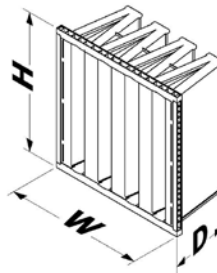
### Applications

- HVAC
- Cleanroom applications
- Air purification of smokes, pollens

### Advantages

- Compact design
- High surface area
- High efficiency
- Energy saver
- Incinerable

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| Part Number | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MV-F6-01    | MERV 11-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.26                         |
| MV-F6-02    | MERV 11-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.26                         |
| MV-F6-03    | MERV 11-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.26                         |
| MV-F6-07    | MERV 11-A   | 20            | 20           | 12           | 19.37         | 11.50        | 11.50        | 130.00             | 1370           | 0.26                         |
| MV-F7-01    | MERV 13-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.29                         |
| MV-F7-02    | MERV 13-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.29                         |
| MV-F7-03    | MERV 13-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.29                         |
| MV-F7-07    | MERV 13-A   | 20            | 20           | 12           | 19.37         | 11.50        | 11.50        | 130.00             | 1370           | 0.29                         |
| MV-F8-01    | MERV 14-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.33                         |
| MV-F8-02    | MERV 14-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.33                         |
| MV-F8-03    | MERV 14-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.33                         |
| MV-F8-07    | MERV 14-A   | 20            | 20           | 12           | 19.37         | 11.50        | 11.50        | 130.00             | 1370           | 0.34                         |

| Part Number | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MV-F9-01    | MERV 15-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.36                         |
| MV-F9-02    | MERV 15-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.36                         |
| MV-F9-03    | MERV 15-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.36                         |
| MV-F9-07    | MERV 15-A   | 20            | 20           | 12           | 19.37         | 11.50        | 11.50        | 130.00             | 1370           | 0.40                         |
| MV-H10-01   | MERV 16-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.55                         |
| MV-H10-02   | MERV 16-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.55                         |
| MV-H10-03   | MERV 16-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.55                         |
| MV-H10-07   | MERV 16-A   | 20            | 20           | 12           | 19.37         | 11.50        | 11.50        | 130.00             | 1370           | 0.70                         |

## MV-2VF SERIES

FINE FILTERS

|                       |                  |
|-----------------------|------------------|
| Media                 | Microglass Fiber |
| Frame                 | ABS              |
| Final Pressure Drop   | 1.5" w. g.       |
| Operating Temperature | 176°F            |
| Gasket                | Optional         |
| Sealant               | Polyurethane     |
| Separators            | Hot Melt         |
| Header Thickness      | 3/4"             |

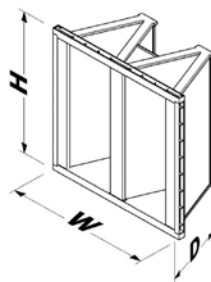
### Applications

- HVAC

### Advantages

- Compact and economic
- High surface area
- High efficiency

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| Part Number  | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|--------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|              |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MV-F6-01-2VF | MERV 11-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 48.40              | 1000           | 0.32                         |
| MV-F6-02-2VF | MERV 11-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 80.70              | 1650           | 0.32                         |
| MV-F6-03-2VF | MERV 11-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 96.80              | 2000           | 0.32                         |
| MV-F7-01-2VF | MERV 13-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 48.40              | 1000           | 0.46                         |
| MV-F7-02-2VF | MERV 13-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 80.70              | 1650           | 0.46                         |
| MV-F7-03-2VF | MERV 13-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 96.80              | 2000           | 0.46                         |
| MV-F8-01-2VF | MERV 14-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 48.40              | 1000           | 0.48                         |
| MV-F8-02-2VF | MERV 14-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 80.70              | 1650           | 0.48                         |
| MV-F8-03-2VF | MERV 14-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 96.80              | 2000           | 0.48                         |
| MV-F9-01-2VF | MERV 15-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 48.40              | 1000           | 0.60                         |
| MV-F9-02-2VF | MERV 15-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 80.70              | 1650           | 0.60                         |
| MV-F9-03-2VF | MERV 15-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 96.80              | 2000           | 0.60                         |

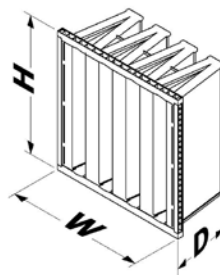
|                              |                  |
|------------------------------|------------------|
| <b>Media</b>                 | Microglass Fiber |
| <b>Frame</b>                 | ABS              |
| <b>Final Pressure Drop</b>   | 1.5" w. g.       |
| <b>Operating Temperature</b> | 176°F            |
| <b>Gasket</b>                | Optional         |
| <b>Sealant</b>               | Polyurethane     |
| <b>Separators</b>            | Hot Melt         |
| <b>Header Thickness</b>      | 3/4" or 1"       |

### Applications

- Gas turbine applications

### Advantages

- High surface area
- High efficiency
- Energy saver
- Incinerable



**FULLY  
POTTED**



| Part Number      | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                  |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MVX-F6-01-DPG-Y  | MERV 11-A   | 24            | 12           | 17           | 23.30         | 11.50        | 17.32        | 172.00             | 1250           | 0.34                         |
| MVX-F6-02-DPG-Y  | MERV 11-A   | 24            | 20           | 17           | 23.30         | 19.37        | 17.32        | 290.00             | 2000           | 0.34                         |
| MVX-F6-03-DPG-Y  | MERV 11-A   | 24            | 24           | 17           | 23.30         | 23.30        | 17.32        | 344.00             | 2500           | 0.34                         |
| MVX-F7-01-DPG-Y  | MERV 13-A   | 24            | 12           | 17           | 23.30         | 11.50        | 17.32        | 172.00             | 1250           | 0.40                         |
| MVX-F7-02-DPG-Y  | MERV 13-A   | 24            | 20           | 17           | 23.30         | 19.37        | 17.32        | 290.00             | 2000           | 0.40                         |
| MVX-F7-03-DPG-Y  | MERV 13-A   | 24            | 24           | 17           | 23.30         | 23.30        | 17.32        | 344.00             | 2500           | 0.40                         |
| MVX-F8-01-DPG-Y  | MERV 14-A   | 24            | 12           | 17           | 23.30         | 11.50        | 17.32        | 172.00             | 1250           | 0.44                         |
| MVX-F8-02-DPG-Y  | MERV 14-A   | 24            | 20           | 17           | 23.30         | 19.37        | 17.32        | 290.00             | 2000           | 0.44                         |
| MVX-F8-03-DPG-Y  | MERV 14-A   | 24            | 24           | 17           | 23.30         | 23.30        | 17.32        | 344.00             | 2500           | 0.44                         |
| MVX-F9-01-DPG-Y  | MERV 15-A   | 24            | 12           | 17           | 23.30         | 11.50        | 17.32        | 172.00             | 1250           | 0.48                         |
| MVX-F9-02-DPG-Y  | MERV 15-A   | 24            | 20           | 17           | 23.30         | 19.37        | 17.32        | 290.00             | 2000           | 0.48                         |
| MVX-F9-03-DPG-Y  | MERV 15-A   | 24            | 24           | 17           | 23.30         | 23.30        | 17.32        | 344.00             | 2500           | 0.48                         |
| MVX-H10-01-DPG-Y | MERV 16-A   | 24            | 12           | 17           | 23.30         | 11.50        | 17.32        | 172.00             | 1250           | 0.54                         |
| MVX-H10-02-DPG-Y | MERV 16-A   | 24            | 20           | 17           | 23.30         | 19.37        | 17.32        | 290.00             | 2000           | 0.54                         |
| MVX-H10-03-DPG-Y | MERV 16-A   | 24            | 24           | 17           | 23.30         | 23.30        | 17.32        | 344.00             | 2500           | 0.54                         |



# 04

## HIGH TEMPERATURE FILTERS

|                               |    |
|-------------------------------|----|
| MSKPHT SERIES                 | 54 |
| MV4HT SERIES                  | 55 |
| MVHHT SERIES                  | 56 |
| MV-HT PLASTIC SERIES          | 57 |
| MPHT SERIES 16"-3" DEEP FRAME | 58 |
| MASHT SERIES 12" DEEP FRAME   | 60 |



HIGH TEMPERATURE  
FILTERS

► **MSKPHT SERIES**

HIGH TEMPERATURE FILTERS ◀

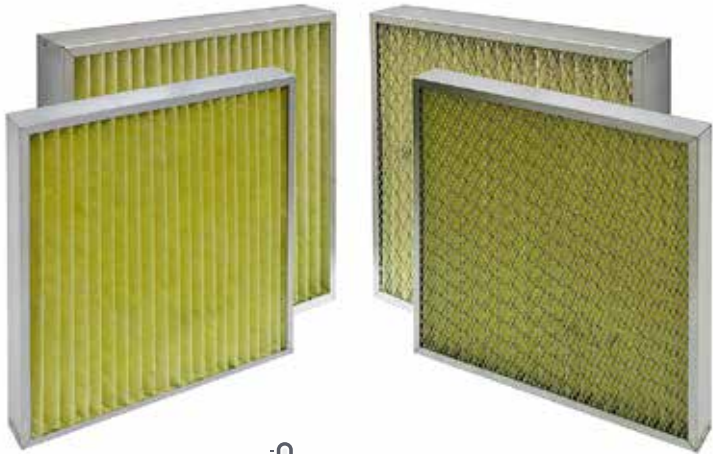
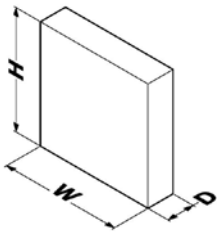
- Media** Microglass Fiber
- Frame** Galvanized Steel or Stainless Steel
- Final Pressure Drop** 1.5" w. g.
- Operating Temperature** 500°F
- Gasket** High Temperature Gasket

**Applications**

- Pre-filter for heat treatment

**Advantages**

- Depth loading
- High dust holding capacity



| Part Number       | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                   |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MSKPHT-287/592/48 | MERV 8      | 12            | 24           | 2            | 11.30         | 23.30        | 1.88         | 6.50               | 600            | 0.40                         |
| MSKPHT-492/592/48 | MERV 8      | 20            | 24           | 2            | 19.37         | 23.30        | 1.88         | 9.70               | 1000           | 0.40                         |
| MSKPHT-592/592/48 | MERV 8      | 24            | 24           | 2            | 23.30         | 23.30        | 1.88         | 11.80              | 1200           | 0.40                         |
| MSKPHT-287/592/96 | MERV 8      | 12            | 24           | 4            | 11.30         | 23.30        | 3.78         | 11.80              | 1000           | 0.44                         |
| MSKPHT-492/592/96 | MERV 8      | 20            | 24           | 4            | 19.37         | 23.30        | 3.78         | 19.40              | 1650           | 0.44                         |
| MSKPHT-592/592/96 | MERV 8      | 24            | 24           | 4            | 23.30         | 23.30        | 3.78         | 23.70              | 2000           | 0.44                         |

# MV4HT SERIES

## HIGH TEMPERATURE FILTERS

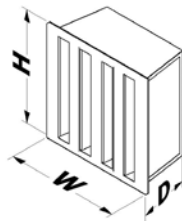
|                              |                                |
|------------------------------|--------------------------------|
| <b>Media</b>                 | Microglass Fiber               |
| <b>Frame</b>                 | Galvanized Steel               |
| <b>Final Pressure Drop</b>   | 1.5" w. g.                     |
| <b>Operating Temperature</b> | 662°F                          |
| <b>Protection Grids</b>      | Galvanized Steel on Both Sides |
| <b>Gasket</b>                | High Temperature Gasket        |
| <b>Header Thickness</b>      | 0.86"                          |
| <b>Separators</b>            | Glass Fiber Strip              |

### Applications

- Automotive industry

### Advantages

- High efficiency
- High surface area



| Part Number                  | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|------------------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                              |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MV4HT-287/592/292-6GD2G-1H22 | MERV 11     | 12            | 24           | 12           | 11.30         | 23.30        | 11.30        | 75.00              | 1000           | 0.40                         |
| MV4HT-492/592/292-6GD2G-1H22 | MERV 11     | 20            | 24           | 12           | 19.37         | 23.30        | 11.30        | 130.00             | 1650           | 0.40                         |
| MV4HT-592/592/292-6GD2G-1H22 | MERV 11     | 24            | 24           | 12           | 23.30         | 23.30        | 11.30        | 160.00             | 2000           | 0.40                         |
| MV4HT-305/610/400-6GD2G-1H22 | MERV 11     | 12            | 24           | 16           | 12.00         | 24.00        | 15.70        | 120.00             | 1000           | 0.32                         |
| MV4HT-490/610/400-6GD2G-1H22 | MERV 11     | 20            | 24           | 16           | 19.29         | 24.00        | 15.70        | 195.00             | 1650           | 0.32                         |
| MV4HT-610/610/400-6GD2G-1H22 | MERV 11     | 24            | 24           | 16           | 24.00         | 24.00        | 15.70        | 235.00             | 2000           | 0.32                         |
| MV4HT-287/592/292-8GD2G-1H22 | MERV 14     | 12            | 24           | 12           | 11.30         | 23.30        | 11.30        | 75.00              | 1000           | 0.54                         |
| MV4HT-492/592/292-8GD2G-1H22 | MERV 14     | 20            | 24           | 12           | 19.37         | 23.30        | 11.30        | 130.00             | 1650           | 0.54                         |
| MV4HT-592/592/292-8GD2G-1H22 | MERV 14     | 24            | 24           | 12           | 23.30         | 23.30        | 11.30        | 160.00             | 2000           | 0.54                         |
| MV4HT-305/610/400-8GD2G-1H22 | MERV 14     | 12            | 24           | 16           | 12.00         | 24.00        | 15.70        | 120.00             | 1000           | 0.40                         |
| MV4HT-490/610/400-8GD2G-1H22 | MERV 14     | 20            | 24           | 16           | 19.29         | 24.00        | 15.70        | 195.00             | 1650           | 0.40                         |
| MV4HT-610/610/400-8GD2G-1H22 | MERV 14     | 24            | 24           | 16           | 24.00         | 24.00        | 15.70        | 235.00             | 2000           | 0.40                         |

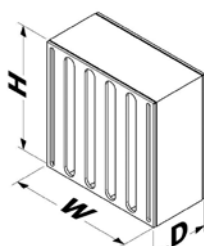
## MVHHT SERIES

## HIGH TEMPERATURE FILTERS

|                            |                                     |
|----------------------------|-------------------------------------|
| <b>Media</b>               | Microglass Fiber                    |
| <b>Separators</b>          | Microglass Fiber                    |
| <b>Frame</b>               | Stainless Steel or Galvanized Steel |
| <b>Sealant</b>             | Silicone                            |
| <b>Temperature Max</b>     | Max. 500°F                          |
| <b>Final Pressure Drop</b> | 2.4" w. g.                          |
| <b>Protection Grid</b>     | Both Sides                          |

### Applications

- Air conditioning systems
- Industrial processes



 **500°F**

| Part Number                   | Class            | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------------------------|------------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                               |                  | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MVHHT-610/610/292-5/6-7SN2SG  | MERV 13          | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 236                | 2000           | 0.34                         |
| MVHHT-610/610/292-5/6-8SN2SG  | MERV 14          | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 236                | 2000           | 0.36                         |
| MVHHT-610/610/292-5/6-9SN2SG  | MERV 15          | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 236                | 2000           | 0.44                         |
| MVHHT-610/610/292-5/6-10SN2SG | MERV 16          | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 236                | 1470           | 0.34                         |
| MVHHT-610/610/292-5/6-13SN2SG | 99.99% @ 0.3 µm  | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 236                | 1470           | 0.96                         |
| MVHHT-610/610/292-5/6-14SN2SG | 99.999% @ 0.3 µm | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 236                | 1470           | 1.04                         |

# MV-HT PLASTIC SERIES

## HIGH TEMPERATURE FILTERS

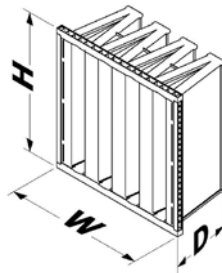
|                       |                  |
|-----------------------|------------------|
| Media                 | Microglass Fiber |
| Frame                 | Polyamid         |
| Final Pressure Drop   | 1.5" w. g.       |
| Operating Temperature | 248°F            |
| Gasket                | Optional         |
| Sealant               | Polyurethane     |
| Header Thickness      | 3/4" or 1"       |

### Applications

- HVAC
- Cleanroom applications

### Advantages

- Compact design
- High surface area
- High efficiency



 **248°F**

| Part Number | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MV-F6-01-P  | MERV 11-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.26                         |
| MV-F6-02-P  | MERV 11-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.26                         |
| MV-F6-03-P  | MERV 11-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.26                         |
| MV-F7-01-P  | MERV 13-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.31                         |
| MV-F7-02-P  | MERV 13-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.31                         |
| MV-F7-03-P  | MERV 13-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.31                         |
| MV-F8-01-P  | MERV 14-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.37                         |
| MV-F8-02-P  | MERV 14-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.37                         |
| MV-F8-03-P  | MERV 14-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.37                         |
| MV-F9-01-P  | MERV 15-A   | 24            | 12           | 12           | 23.30         | 11.50        | 11.50        | 100.00             | 1000           | 0.46                         |
| MV-F9-02-P  | MERV 15-A   | 24            | 20           | 12           | 23.30         | 19.37        | 11.50        | 160.00             | 1650           | 0.46                         |
| MV-F9-03-P  | MERV 15-A   | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 200.00             | 2000           | 0.46                         |

## ▶ MPHT SERIES 1.6"-3" DEEP FRAME

HIGH TEMPERATURE FILTERS ◀

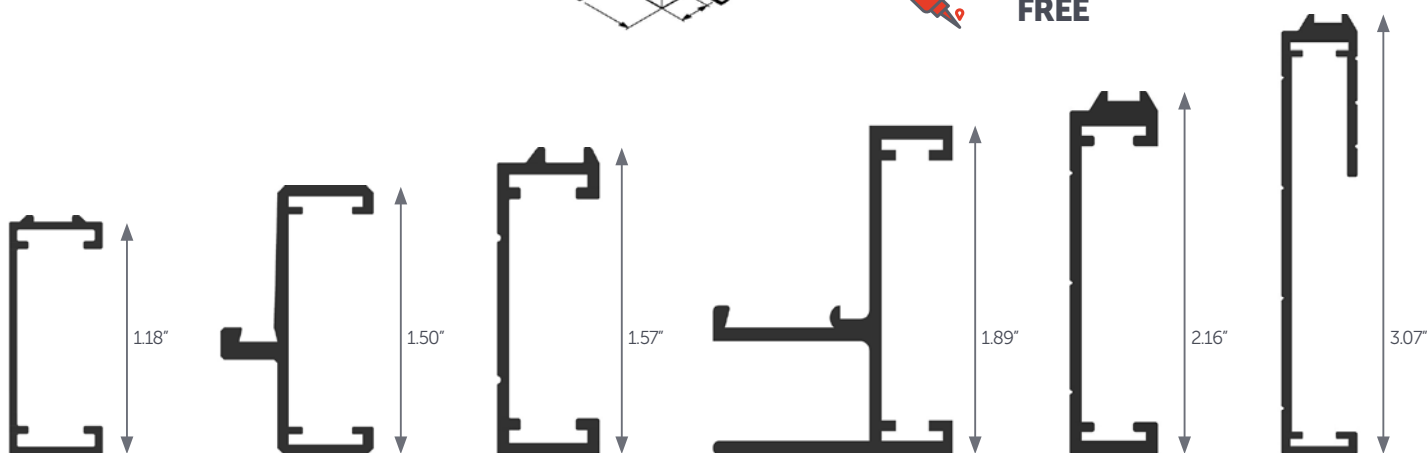
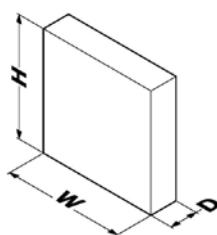
|                              |                           |
|------------------------------|---------------------------|
| <b>Media</b>                 | Microglass Fiber          |
| <b>Frame</b>                 | Extruded Aluminium        |
| <b>Final Pressure Drop</b>   | 1.5" w. g.                |
| <b>Operating Temperature</b> | 662°F                     |
| <b>Gasket</b>                | High Temperature Gasket   |
| <b>Protection Grid</b>       | Grid Perforated Aluminium |
| <b>Separators</b>            | Glass Fiber Strip         |

### Applications

- Painting ovens

### Advantages

- High efficiency
- Energy saver



| Part Number             | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                         |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MPHT-480/480/40-6APHD2G | MERV 11     | 19            | 19           | 1.60         | 18.89         | 18.89        | 1.57         | 35.50              | 695            | 0.24                         |
| MPHT-610/610/40-6APHD2G | MERV 11     | 24            | 24           | 1.60         | 24.00         | 24.00        | 1.57         | 58.10              | 1120           | 0.24                         |
| MPHT-610/915/40-6APHD2G | MERV 11     | 24            | 36           | 1.60         | 24.00         | 36.00        | 1.57         | 87.10              | 1680           | 0.24                         |
| MPHT-480/480/55-6APHD2G | MERV 11     | 19            | 19           | 2.16         | 18.89         | 18.89        | 2.16         | 49.50              | 910            | 0.36                         |
| MPHT-610/610/55-6APHD2G | MERV 11     | 24            | 24           | 2.16         | 24.00         | 24.00        | 2.16         | 80.70              | 1500           | 0.36                         |
| MPHT-610/915/55-6APHD2G | MERV 11     | 24            | 36           | 2.16         | 24.00         | 36.00        | 2.16         | 121.10             | 2200           | 0.36                         |
| MPHT-480/480/78-6APHD2G | MERV 11     | 19            | 19           | 3.10         | 18.89         | 18.89        | 3.07         | 49.50              | 910            | 0.36                         |
| MPHT-610/610/78-6APHD2G | MERV 11     | 24            | 24           | 3.10         | 24.00         | 24.00        | 3.07         | 80.70              | 1500           | 0.36                         |
| MPHT-610/915/78-6APHD2G | MERV 11     | 24            | 36           | 3.10         | 24.00         | 36.00        | 3.07         | 121.00             | 2200           | 0.36                         |

| Part Number             | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                         |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MPHT-480/480/40-8APHD2G | MERV 14     | 19            | 19           | 1.60         | 18.89         | 18.89        | 1.57         | 35.50              | 582            | 0.40                         |
| MPHT-610/610/40-8APHD2G | MERV 14     | 24            | 24           | 1.60         | 24.00         | 24.00        | 1.57         | 58.10              | 940            | 0.40                         |
| MPHT-610/915/40-8APHD2G | MERV 14     | 24            | 36           | 1.60         | 24.00         | 36.00        | 1.57         | 87.10              | 1400           | 0.40                         |
| MPHT-480/480/55-8APHD2G | MERV 14     | 19            | 19           | 2.16         | 18.89         | 18.89        | 2.16         | 49.50              | 730            | 0.40                         |
| MPHT-610/610/55-8APHD2G | MERV 14     | 24            | 24           | 2.16         | 24.00         | 24.00        | 2.16         | 80.70              | 1170           | 0.40                         |
| MPHT-610/915/55-8APHD2G | MERV 14     | 24            | 36           | 2.16         | 24.00         | 36.00        | 2.16         | 121.10             | 1750           | 0.40                         |
| MPHT-480/480/78-8APHD2G | MERV 14     | 19            | 19           | 3.10         | 18.89         | 18.89        | 3.10         | 49.50              | 730            | 0.40                         |
| MPHT-610/610/78-8APHD2G | MERV 14     | 24            | 24           | 3.10         | 24.00         | 24.00        | 3.10         | 80.70              | 1170           | 0.40                         |
| MPHT-610/915/78-8APHD2G | MERV 14     | 24            | 36           | 3.10         | 24.00         | 36.00        | 3.10         | 121.00             | 1750           | 0.40                         |

# MASHT SERIES 12" DEEP FRAME

## HIGH TEMPERATURE FILTERS

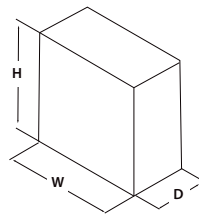
|                              |                                                |
|------------------------------|------------------------------------------------|
| <b>Media</b>                 | Microglass Fiber                               |
| <b>Frame</b>                 | Galvanized Steel                               |
| <b>Seperators</b>            | Corrugated Aluminium                           |
| <b>Final Pressure Drop</b>   | 1.5" w. g.                                     |
| <b>Operating Temperature</b> | 750°F                                          |
| <b>Gasket</b>                | High Temperature Gasket                        |
| <b>Header Thickness</b>      | 0.78" (1H: Single Header<br>2H: Double Header) |

### Applications

- Automotive industry

### Advantages

- High efficiency
- High surface area



| Part Number                      | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|----------------------------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|                                  |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MASHT-287/592/292-6GHD2G-1H20    | MERV 11     | 12            | 24           | 12           | 11.30         | 23.30        | 11.50        | 48.40              | 1000           | 0.48                         |
| MASHT-592/592/292-6GHD2G-1H20    | MERV 11     | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 96.80              | 2000           | 0.48                         |
| MASHT-287/592/292-6GHD2G-1H20-6  | MERV 11     | 12            | 24           | 12           | 11.30         | 23.30        | 11.50        | 64.50              | 1000           | 0.48                         |
| MASHT-592/592/292-6GHD2G-1H20-12 | MERV 11     | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 129.10             | 2000           | 0.48                         |
| MASHT-305/610/292-6GHD2G         | MERV 11     | 12            | 24           | 12           | 12.00         | 24.00        | 11.50        | 64.50              | 1250           | 0.60                         |
| MASHT-610/610/292-6GHD2G         | MERV 11     | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 129.10             | 2500           | 0.60                         |
| MASHT-305/610/292-6GHD2G-7       | MERV 11     | 12            | 24           | 12           | 12.00         | 24.00        | 11.50        | 75.30              | 1250           | 0.60                         |
| MASHT-610/610/292-6GHD2G-14      | MERV 11     | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 150.60             | 2500           | 0.60                         |
| MASHT-287/592/292-8GHD2G-1H20    | MERV 14     | 12            | 24           | 12           | 11.30         | 23.30        | 11.50        | 48.40              | 1000           | 0.60                         |
| MASHT-592/592/292-8GHD2G-1H20    | MERV 14     | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 96.80              | 2000           | 0.60                         |
| MASHT-287/592/292-8GHD2G-1H20-6  | MERV 14     | 12            | 24           | 12           | 11.30         | 23.30        | 11.50        | 64.50              | 1000           | 0.60                         |
| MASHT-592/592/292-8GHD2G-1H20-12 | MERV 14     | 24            | 24           | 12           | 23.30         | 23.30        | 11.50        | 129.10             | 2000           | 0.60                         |
| MASHT-305/610/292-8GHD2G         | MERV 14     | 12            | 24           | 12           | 12.00         | 24.00        | 11.50        | 64.50              | 1250           | 0.68                         |
| MASHT-610/610/292-8GHD2G         | MERV 14     | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 129.10             | 2500           | 0.68                         |
| MASHT-305/610/292-8GHD2G-7       | MERV 14     | 12            | 24           | 12           | 12.00         | 24.00        | 11.50        | 75.30              | 1250           | 0.68                         |
| MASHT-610/610/292-8GHD2G-14      | MERV 14     | 24            | 24           | 12           | 24.00         | 24.00        | 11.50        | 150.60             | 2500           | 0.68                         |

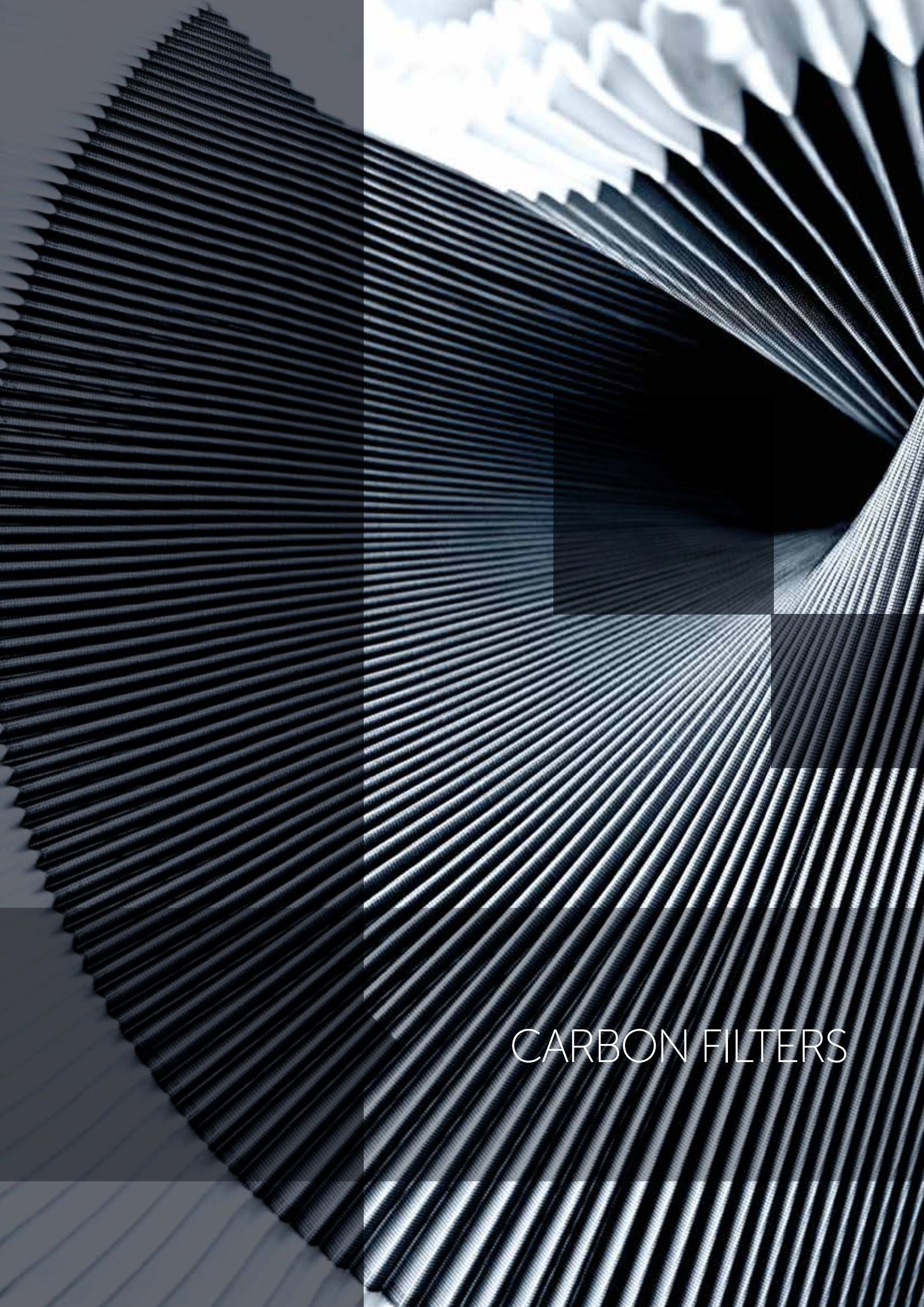




# 05

## **CARBON FILTERS**

|                                 |           |
|---------------------------------|-----------|
| MV-ACP SERIES                   | <b>64</b> |
| MV-ACX SERIES                   | <b>65</b> |
| ACTIVATED CARBON V CELL FILTERS | <b>66</b> |
| ACTIVATED CARBON PANEL FILTERS  | <b>66</b> |
| ACTIVATED CARBON CARTRIDGES     | <b>67</b> |
| ACTIVATED CARBON HOUSINGS       | <b>67</b> |



CARBON FILTERS

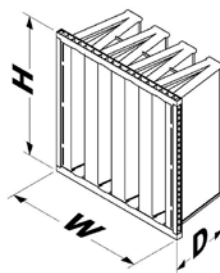
|                              |                                                    |
|------------------------------|----------------------------------------------------|
| <b>Media</b>                 | Activated Carbon between Layers of Synthetic Media |
| <b>Media Weight</b>          | 0,092 lb/ft <sup>2</sup>                           |
| <b>Total Weight</b>          | 7,93 lb                                            |
| <b>Frame</b>                 | ABS                                                |
| <b>Final Pressure Drop</b>   | 1.5" w. g.                                         |
| <b>Operating Temperature</b> | 100°F                                              |
| <b>Gasket</b>                | Optional                                           |
| <b>Sealant</b>               | Polyurethane                                       |
| <b>Header Thickness</b>      | 3/4" or 1"                                         |

### Applications

- Deodorization and purification of gaseous pollutants

### Advantages

- High air flow



| Part Number  | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|--------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|              |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MV-ACP-01    | -           | 24            | 12           | 12           | 23.3          | 11.5         | 11.50        | 43                 | 1000           | 0.30                         |
| MV-ACP-02    | -           | 24            | 20           | 12           | 23.3          | 19.3         | 11.50        | 70                 | 1650           | 0.30                         |
| MV-ACP-03    | -           | 24            | 24           | 12           | 23.3          | 23.3         | 11.50        | 86                 | 2000           | 0.30                         |
| MV-F7SMAC-01 | MERV 13     | 24            | 12           | 12           | 23.3          | 11.5         | 11.50        | 43                 | 1000           | 0.48                         |
| MV-F7SMAC-02 | MERV 13     | 24            | 20           | 12           | 23.3          | 19.3         | 11.50        | 70                 | 1650           | 0.48                         |
| MV-F7SMAC-03 | MERV 13     | 24            | 24           | 12           | 23.3          | 23.3         | 11.50        | 86                 | 2000           | 0.48                         |

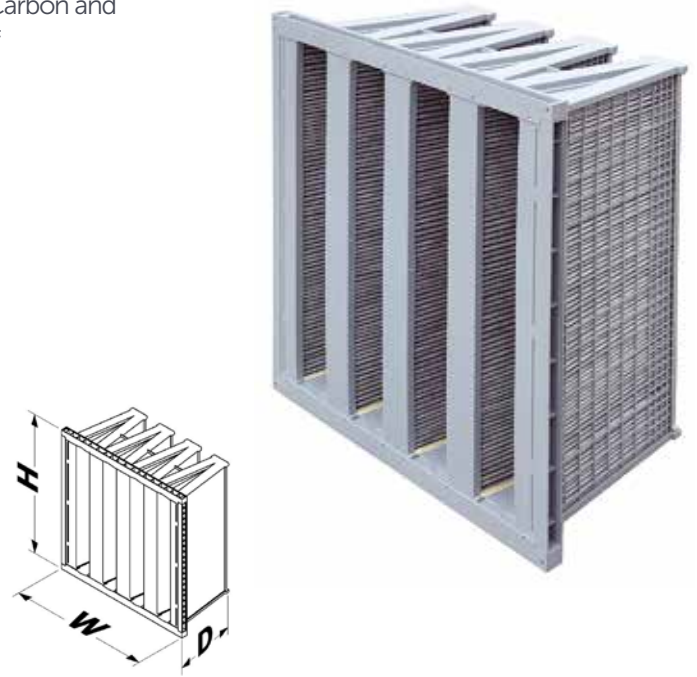
|                              |                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------|
| <b>Media</b>                 | Blended media of Activated Carbon and Potassium between Layers of Synthetic Media |
| <b>Media Weight</b>          | 0,087 lb/ft <sup>2</sup>                                                          |
| <b>Frame</b>                 | ABS                                                                               |
| <b>Final Pressure Drop</b>   | 1.5" w. g.                                                                        |
| <b>Operating Temperature</b> | 100°F                                                                             |
| <b>Gasket</b>                | Optional                                                                          |
| <b>Sealant</b>               | Polyurethane                                                                      |
| <b>Header Thickness</b>      | 3/4" or 1"                                                                        |
| <b>Relative Humidity</b>     | 70% max.                                                                          |

### Applications

- Museums, art galleries, libraries etc.

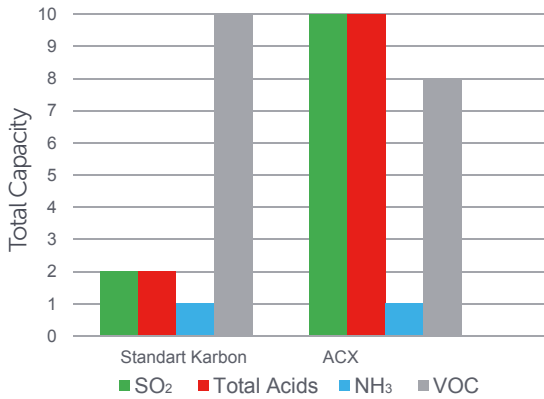
### Advantages

- High air flow

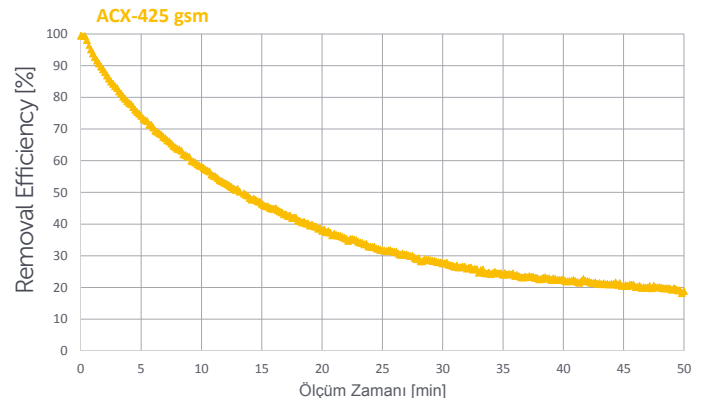


| Part Number   | ASHRAE 52.2 | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|---------------|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|               |             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |
| MV-ACX-01     | -           | 24            | 12           | 12           | 23.3          | 11.5         | 11.50        | 43                 | 1000           | 0.30                         |
| MV-ACX-02     | -           | 24            | 20           | 12           | 23.3          | 19.3         | 11.50        | 70                 | 1650           | 0.30                         |
| MV-ACX-03     | -           | 24            | 24           | 12           | 23.3          | 23.3         | 11.50        | 86                 | 2000           | 0.30                         |
| MV-F7SMACX-01 | MERV 13     | 24            | 12           | 12           | 23.3          | 11.5         | 11.50        | 43                 | 1000           | 0.48                         |
| MV-F7SMACX-02 | MERV 13     | 24            | 20           | 12           | 23.3          | 19.3         | 11.50        | 70                 | 1650           | 0.48                         |
| MV-F7SMACX-03 | MERV 13     | 24            | 24           | 12           | 23.3          | 23.3         | 11.50        | 86                 | 2000           | 0.48                         |

Total capacity values depending on type of impregnation



ACX Carbon media test - tracer gas SO<sub>2</sub>  
concentration: 30ppm 10cm/s conditions: 23°C, 50% rF



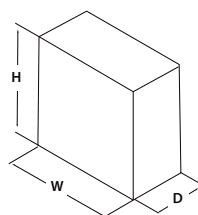
## ▶ ACTIVATED CARBON V CELL FILTERS

CARBON FILTERS ◀

|                       |                  |
|-----------------------|------------------|
| Carbon Type           | ACG              |
| Material              | Galvanized Steel |
| RH. Max               | 70%              |
| Operating Temperature | 100°F            |
| Sealant               | Polyurethane     |

### Applications

- Absorption of odors and gases



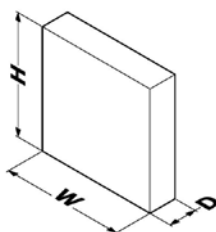
| Part Number            | Nominal Size  |              |              | Actual Size   |              |              | Min. Contact Time (s) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|------------------------|---------------|--------------|--------------|---------------|--------------|--------------|-----------------------|----------------|------------------------------|
|                        | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                       |                |                              |
| MV-305/610/292-3/4-ACG | 12            | 24           | 12           | 12            | 24           | 11.5         | 0.2                   | 1000           | 0.48                         |
| MV-610/610/292-5/6-ACG | 24            | 24           | 12           | 24            | 24           | 11.5         | 0.2                   | 2000           | 0.48                         |

## ▶ ACTIVATED CARBON PANEL FILTERS

|                       |                  |
|-----------------------|------------------|
| Carbon Type           | ACG              |
| Material              | Galvanized Steel |
| RH. Max               | 70%              |
| Operating Temperature | 100°F            |
| Sealant               | Polyurethane     |

### Applications

- Absorption of odors and gases



| Part Number         | Nominal Size  |              |              | Actual Size   |              |              | Min. Contact Time (s) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|---------------------|---------------|--------------|--------------|---------------|--------------|--------------|-----------------------|----------------|------------------------------|
|                     | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                       |                |                              |
| MSKP-305/610/25-ACG | 12            | 24           | 1            | 12            | 24           | 0.98         | 0.2                   | 100            | 0.2                          |
| MSKP-610/610/25-ACG | 24            | 24           | 1            | 24            | 24           | 0.98         | 0.2                   | 200            | 0.2                          |

## ▶ ACTIVATED CARBON CARTRIDGES

CARBON FILTERS ◀

|                       |                                   |
|-----------------------|-----------------------------------|
| Filter Part Name      | MHA 165-450-ACG                   |
| Carbon Type           | ACG                               |
| Material              | Galvanized Steel with Epoxy Paint |
| Gasket                | Epdm                              |
| Amount of Carbon      | ~8.818 lb                         |
| RH. Max               | 70%                               |
| Operating Temperature | 100°F                             |

### Applications

- Absorption of odors and gases



## ▶ ACTIVATED CARBON HOUSINGS

|                     |                                   |
|---------------------|-----------------------------------|
| Part Name           | MACT-605/605/37                   |
| Material            | Galvanized Steel with Epoxy Paint |
| Number of Cartridge | 9                                 |
| Air Flow            | 2000 cfm                          |
| Pressure Drop       | 0.60" w. g.                       |
| Weight of Housing   | 15.432 lb                         |



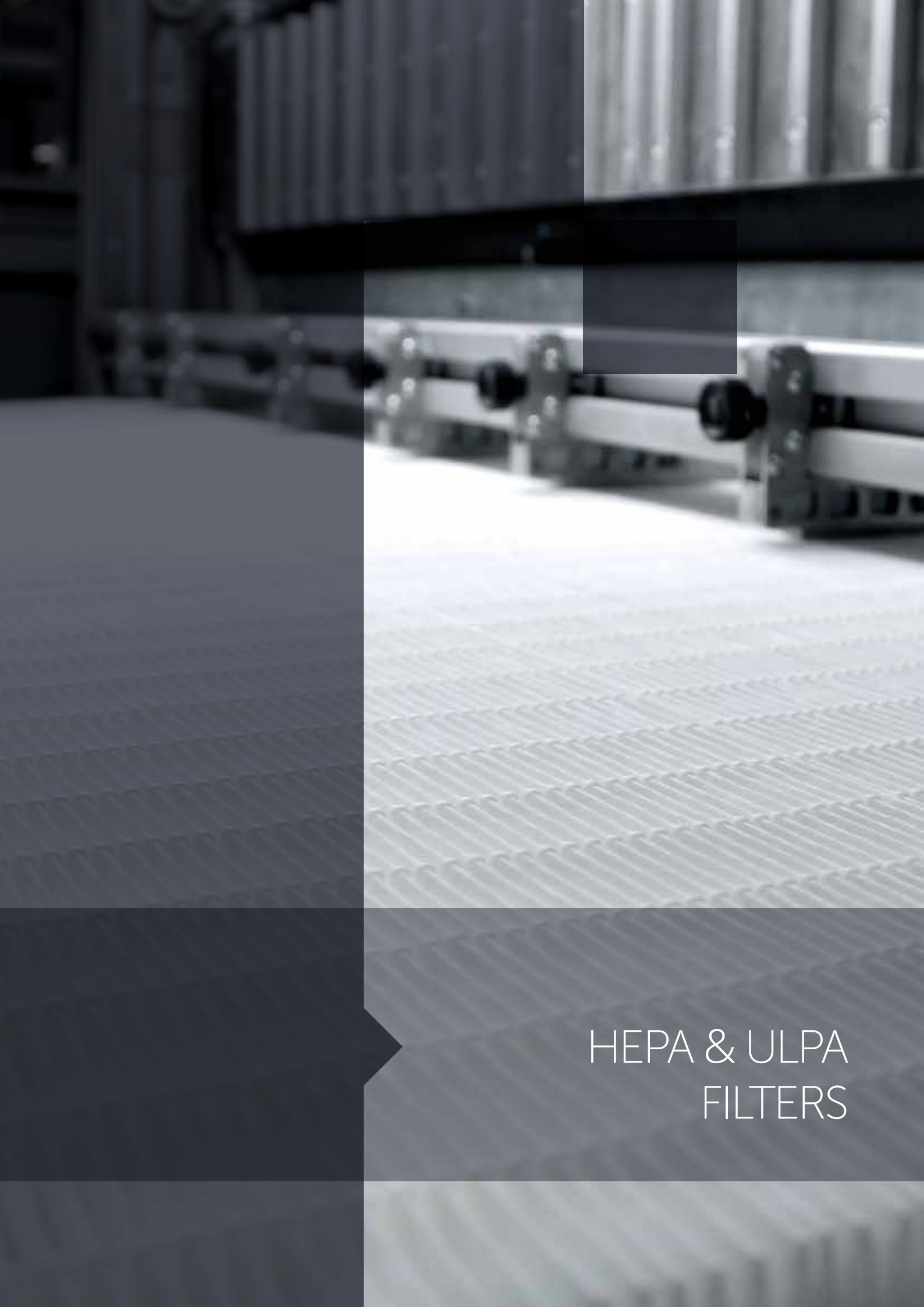
|                     |                                   |
|---------------------|-----------------------------------|
| Part Name           | MACT-300/605/37                   |
| Material            | Galvanized Steel with Epoxy Paint |
| Number of Cartridge | 5                                 |
| Air Flow            | 1000 cfm                          |
| Pressure Drop       | 0.60" w. g.                       |
| Weight of Housing   | 7.716 lb                          |



# 06

## HEPA & ULPA FILTERS

|                                               |     |
|-----------------------------------------------|-----|
| HFN SERIES ALUMINIUM PROFILE 2.75" DEEP FRAME | 70  |
| HFN SERIES ALUMINIUM PROFILE 3.07" DEEP FRAME | 72  |
| HFN SERIES MDF 3.07" DEEP FRAME               | 74  |
| HFN SERIES GEL SEAL 2.87" DEEP FRAME          | 76  |
| HFN SERIES GEL SEAL 3.15" DEEP FRAME          | 78  |
| HFP SERIES GEL SEAL 3.46" DEEP FRAME          | 80  |
| HFP SERIES GEL SEAL 4.09" DEEP FRAME          | 82  |
| HFP SERIES ALUMINIUM PROFILE 3.54" DEEP FRAME | 84  |
| HFN SERIES ALUMINIUM PROFILE 5.90" DEEP FRAME | 86  |
| HFN SERIES MDF 5.90" DEEP FRAME               | 88  |
| HFP SERIES ALUMINIUM PROFILE 5.90" DEEP FRAME | 90  |
| HFP SERIES MDF 5.90" DEEP FRAME               | 92  |
| HFS SERIES ALUMINIUM PROFILE 4.33" DEEP FRAME | 94  |
| HFS SERIES ALUMINIUM PROFILE 5.90" DEEP FRAME | 96  |
| HFS SERIES MDF 5.90" DEEP FRAME               | 98  |
| HFH SERIES MDF 11.5" DEEP FRAME               | 100 |
| HFH SERIES SHEET METAL 11.5" DEEP FRAME       | 101 |
| HFX SERIES MDF 11.5" DEEP FRAME               | 102 |
| HFX SERIES SHEET METAL 11.5" DEEP FRAME       | 103 |
| MV HEPA SERIES PLASTIC 11.5" DEEP FRAME       | 104 |
| MVH SERIES PLASTIC MAX. FLOW 11.5" DEEP FRAME | 105 |
| MVH SERIES METAL MAX. FLOW 11.5" DEEP FRAME   | 106 |
| MVH SERIES GEL SEAL 11.5" DEEP FRAME          | 107 |
| MHH SERIES MICRO HOOD FILTER 5" DEEP FRAME    | 108 |
| MHH SERIES MICRO HOOD FILTER 6" DEEP FRAME    | 109 |



## HEPA & ULPA FILTERS

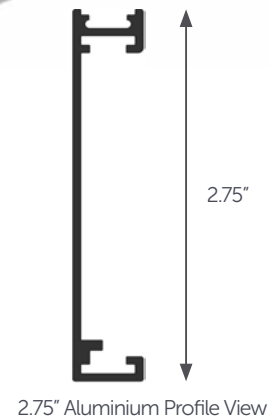
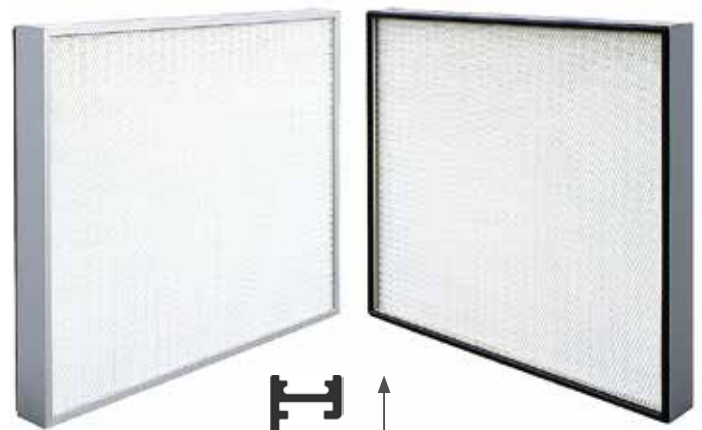
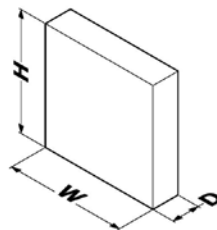
|                       |                                 |
|-----------------------|---------------------------------|
| Media                 | Microglass Fiber                |
| Frame                 | Extruded Anodized Aluminium     |
| Final Pressure Drop   | 2.4" w.g.                       |
| Operating Temperature | 176°F                           |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS   |
| Gasket                | Half Round Endless Polyurethane |
| Protection Grids      | Painted Aluminium on Both Sides |
| Separators            | Hotmelt                         |

### Applications

- Air conditioning systems (Hospitals, Laboratories, Museums)
- Industrial processes (Pharmaceutical, Food, Microelectronics)



**AIR FILTER UNIT  
AS TO FLAMMABILITY ONLY  
R39025**



| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

### ► 95% @ 0.3µm-85% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/70-10APD2G  | 12 | 12 | 3 | 12.00 | 12.00 | 2.75 | 28.00  | 90   | 0.20 |
| HFN-305/610/70-10APD2G  | 12 | 24 | 3 | 12.00 | 24.01 | 2.75 | 56.00  | 180  | 0.20 |
| HFN-457/610/70-10APD2G  | 18 | 24 | 3 | 17.99 | 24.01 | 2.75 | 84.00  | 265  | 0.20 |
| HFN-610/610/70-10APD2G  | 24 | 24 | 3 | 24.01 | 24.01 | 2.75 | 112.00 | 360  | 0.20 |
| HFN-610/1220/70-10APD2G | 24 | 48 | 3 | 24.01 | 48.03 | 2.75 | 224.00 | 720  | 0.20 |
| HFN-610/1830/70-10APD2G | 24 | 72 | 3 | 24.01 | 72.04 | 2.75 | 336.00 | 1080 | 0.20 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/70-13APD2G  | 12 | 12 | 3 | 12.00 | 12.00 | 2.75 | 28.00  | 90   | 0.44 |
| HFN-305/610/70-13APD2G  | 12 | 24 | 3 | 12.00 | 24.01 | 2.75 | 56.00  | 180  | 0.44 |
| HFN-457/610/70-13APD2G  | 18 | 24 | 3 | 17.99 | 24.01 | 2.75 | 84.00  | 265  | 0.44 |
| HFN-610/610/70-13APD2G  | 24 | 24 | 3 | 24.01 | 24.01 | 2.75 | 112.00 | 360  | 0.44 |
| HFN-610/1220/70-13APD2G | 24 | 48 | 3 | 24.01 | 48.03 | 2.75 | 224.00 | 720  | 0.44 |
| HFN-610/1830/70-13APD2G | 24 | 72 | 3 | 24.01 | 72.04 | 2.75 | 336.00 | 1080 | 0.44 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/70-14APD2G  | 12 | 12 | 3 | 12.00 | 12.00 | 2.75 | 28.00  | 90   | 0.48 |
| HFN-305/610/70-14APD2G  | 12 | 24 | 3 | 12.00 | 24.01 | 2.75 | 56.00  | 180  | 0.48 |
| HFN-457/610/70-14APD2G  | 18 | 24 | 3 | 17.99 | 24.01 | 2.75 | 84.00  | 265  | 0.48 |
| HFN-610/610/70-14APD2G  | 24 | 24 | 3 | 24.01 | 24.01 | 2.75 | 112.00 | 360  | 0.48 |
| HFN-610/1220/70-14APD2G | 24 | 48 | 3 | 24.01 | 48.03 | 2.75 | 224.00 | 720  | 0.48 |
| HFN-610/1830/70-14APD2G | 24 | 72 | 3 | 24.01 | 72.04 | 2.75 | 336.00 | 1080 | 0.48 |

► 99.9999% @ 0.3µm-99.9995% @MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/70-15APD2G  | 12 | 12 | 3 | 12.00 | 12.00 | 2.75 | 28.00  | 90   | 0.56 |
| HFN-305/610/70-15APD2G  | 12 | 24 | 3 | 12.00 | 24.01 | 2.75 | 56.00  | 180  | 0.56 |
| HFN-457/610/70-15APD2G  | 18 | 24 | 3 | 17.99 | 24.01 | 2.75 | 84.00  | 265  | 0.56 |
| HFN-610/610/70-15APD2G  | 24 | 24 | 3 | 24.01 | 24.01 | 2.75 | 112.00 | 360  | 0.56 |
| HFN-610/1220/70-15APD2G | 24 | 48 | 3 | 24.01 | 48.03 | 2.75 | 224.00 | 720  | 0.56 |
| HFN-610/1830/70-15APD2G | 24 | 72 | 3 | 24.01 | 72.04 | 2.75 | 336.00 | 1080 | 0.56 |

# HFN SERIES ALUMINIUM PROFILE 3.07" DEEP FRAME

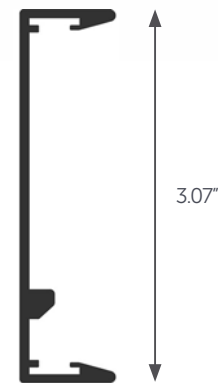
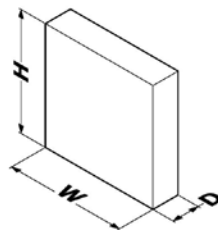
## HEPA & ULPA FILTERS

|                       |                                    |
|-----------------------|------------------------------------|
| Media                 | Microglass Fiber                   |
| Frame                 | Extruded Anodized Aluminium        |
| Final Pressure Drop   | 2.4" w.g.                          |
| Operating Temperature | 176°F                              |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS      |
| Gasket                | Flat Neoprene                      |
| Protection Grids      | Painted Aluminium<br>on Both Sides |
| Separators            | Hotmelt                            |

### Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)

**CLASSIFIED**  
**UL**  
**AIR FILTER UNIT**  
**AS TO FLAMMABILITY ONLY**  
**R39025**



3.07" Aluminium Profile View

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3µm-85% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/78-10APD2G  | 12 | 12 | 3 | 12.00 | 12.00 | 3.07 | 28.00  | 90   | 0.20 |
| HFN-305/610/78-10APD2G  | 12 | 24 | 3 | 12.00 | 24.01 | 3.07 | 56.00  | 180  | 0.20 |
| HFN-457/610/78-10APD2G  | 18 | 24 | 3 | 17.99 | 24.01 | 3.07 | 84.00  | 265  | 0.20 |
| HFN-610/610/78-10APD2G  | 24 | 24 | 3 | 24.01 | 24.01 | 3.07 | 112.00 | 360  | 0.20 |
| HFN-610/1220/78-10APD2G | 24 | 48 | 3 | 24.01 | 48.03 | 3.07 | 224.00 | 720  | 0.20 |
| HFN-610/1830/78-10APD2G | 24 | 72 | 3 | 24.01 | 72.04 | 3.07 | 336.00 | 1080 | 0.20 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/78-13APD2G  | 12 | 12 | 3 | 12.00 | 12.00 | 3.07 | 28.00  | 90   | 0.44 |
| HFN-305/610/78-13APD2G  | 12 | 24 | 3 | 12.00 | 24.01 | 3.07 | 56.00  | 180  | 0.44 |
| HFN-457/610/78-13APD2G  | 18 | 24 | 3 | 17.99 | 24.01 | 3.07 | 84.00  | 265  | 0.44 |
| HFN-610/610/78-13APD2G  | 24 | 24 | 3 | 24.01 | 24.01 | 3.07 | 112.00 | 360  | 0.44 |
| HFN-610/1220/78-13APD2G | 24 | 48 | 3 | 24.01 | 48.03 | 3.07 | 224.00 | 720  | 0.44 |
| HFN-610/1830/78-13APD2G | 24 | 72 | 3 | 24.01 | 72.04 | 3.07 | 336.00 | 1080 | 0.44 |

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/78-14APD2G  | 12 | 12 | 3 | 12.00 | 12.00 | 3.07 | 28.00  | 90   | 0.48 |
| HFN-305/610/78-14APD2G  | 12 | 24 | 3 | 12.00 | 24.01 | 3.07 | 56.00  | 180  | 0.48 |
| HFN-457/610/78-14APD2G  | 18 | 24 | 3 | 17.99 | 24.01 | 3.07 | 84.00  | 265  | 0.48 |
| HFN-610/610/78-14APD2G  | 24 | 24 | 3 | 24.01 | 24.01 | 3.07 | 112.00 | 360  | 0.48 |
| HFN-610/1220/78-14APD2G | 24 | 48 | 3 | 24.01 | 48.03 | 3.07 | 224.00 | 720  | 0.48 |
| HFN-610/1830/78-14APD2G | 24 | 72 | 3 | 24.01 | 72.04 | 3.07 | 336.00 | 1080 | 0.48 |

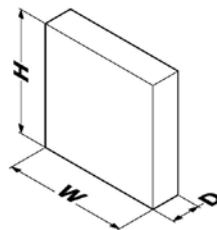
► 99.9999% @ 0.3µm-99.9995% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/78-15APD2G  | 12 | 12 | 3 | 12.00 | 12.00 | 3.07 | 28.00  | 90   | 0.56 |
| HFN-305/610/78-15APD2G  | 12 | 24 | 3 | 12.00 | 24.01 | 3.07 | 56.00  | 180  | 0.56 |
| HFN-457/610/78-15APD2G  | 18 | 24 | 3 | 17.99 | 24.01 | 3.07 | 84.00  | 265  | 0.56 |
| HFN-610/610/78-15APD2G  | 24 | 24 | 3 | 24.01 | 24.01 | 3.07 | 112.00 | 360  | 0.56 |
| HFN-610/1220/78-15APD2G | 24 | 48 | 3 | 24.01 | 48.03 | 3.07 | 224.00 | 720  | 0.56 |
| HFN-610/1830/78-15APD2G | 24 | 72 | 3 | 24.01 | 72.04 | 3.07 | 336.00 | 1080 | 0.56 |

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Media                 | Microglass Fiber                                 |
| Frame                 | MDF                                              |
| Final Pressure Drop   | 2.4" w.g.                                        |
| Operating Temperature | 176°F                                            |
| Filter Efficiency     | 95% @ 0.3μm - 99.999% @ 0.3μm                    |
| Gasket                | Flat Neoprene or Half Round Endless Polyurethane |
| Protection Grids      | Optional                                         |
| Separators            | Hotmelt                                          |

### Applications

- Air conditioning systems (Hospitals, Laboratories, Museums)
- Industrial processes (Pharmaceutical, Food, Microelectronics)



| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

### ► 95% @ 0.3μm-85% @ MPPS

|                      |    |    |   |       |       |      |        |      |     |
|----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFN-305/305/78-10PD  | 12 | 12 | 3 | 12.00 | 12.00 | 3.07 | 28.00  | 412  | 1.0 |
| HFN-305/610/78-10PD  | 12 | 24 | 3 | 12.00 | 24.01 | 3.07 | 56.00  | 824  | 1.0 |
| HFN-457/610/78-10PD  | 18 | 24 | 3 | 17.99 | 24.01 | 3.07 | 84.00  | 1236 | 1.0 |
| HFN-610/610/78-10PD  | 24 | 24 | 3 | 24.01 | 24.01 | 3.07 | 112.00 | 1648 | 1.0 |
| HFN-610/1220/78-10PD | 24 | 48 | 3 | 24.01 | 48.03 | 3.07 | 224.00 | 3296 | 1.0 |
| HFN-610/1830/78-10PD | 24 | 72 | 3 | 24.01 | 72.04 | 3.07 | 336.00 | 4944 | 1.0 |

### ► 99.99% @ 0.3μm-99.95% @ MPPS

|                      |    |    |   |       |       |      |        |      |     |
|----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFN-305/305/78-13PD  | 12 | 12 | 3 | 12.00 | 12.00 | 3.07 | 28.00  | 182  | 1.0 |
| HFN-305/610/78-13PD  | 12 | 24 | 3 | 12.00 | 24.01 | 3.07 | 56.00  | 367  | 1.0 |
| HFN-457/610/78-13PD  | 18 | 24 | 3 | 17.99 | 24.01 | 3.07 | 84.00  | 547  | 1.0 |
| HFN-610/610/78-13PD  | 24 | 24 | 3 | 24.01 | 24.01 | 3.07 | 112.00 | 735  | 1.0 |
| HFN-610/1220/78-13PD | 24 | 48 | 3 | 24.01 | 48.03 | 3.07 | 224.00 | 1471 | 1.0 |
| HFN-610/1830/78-13PD | 24 | 72 | 3 | 24.01 | 72.04 | 3.07 | 336.00 | 2207 | 1.0 |

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                      |    |    |   |       |       |      |        |      |     |
|----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFN-305/305/78-14PD  | 12 | 12 | 3 | 12.00 | 12.00 | 3.07 | 28.00  | 161  | 1.0 |
| HFN-305/610/78-14PD  | 12 | 24 | 3 | 12.00 | 24.01 | 3.07 | 56.00  | 323  | 1.0 |
| HFN-457/610/78-14PD  | 18 | 24 | 3 | 17.99 | 24.01 | 3.07 | 84.00  | 482  | 1.0 |
| HFN-610/610/78-14PD  | 24 | 24 | 3 | 24.01 | 24.01 | 3.07 | 112.00 | 647  | 1.0 |
| HFN-610/1220/78-14PD | 24 | 48 | 3 | 24.01 | 48.03 | 3.07 | 224.00 | 1294 | 1.0 |
| HFN-610/1830/78-14PD | 24 | 72 | 3 | 24.01 | 72.04 | 3.07 | 336.00 | 1942 | 1.0 |

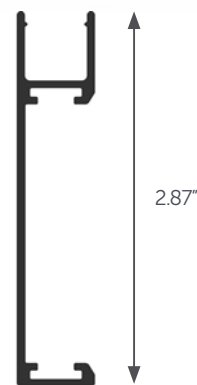
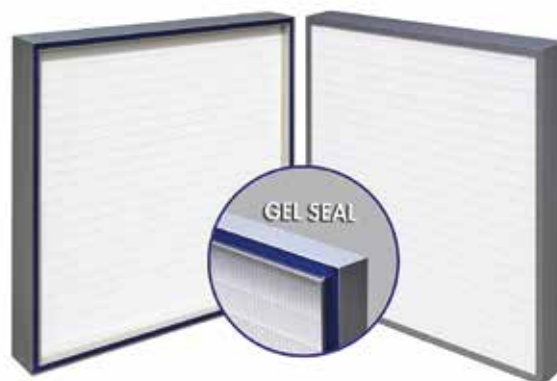
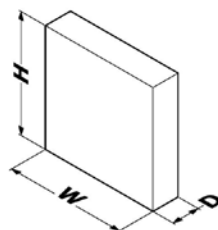
# ▶ HFN SERIES GEL SEAL 2.87" DEEP FRAME

HEPA & ULPA FILTERS ◀

|                       |                                    |
|-----------------------|------------------------------------|
| Media                 | Microglass Fiber                   |
| Frame                 | Extruded Anodized Aluminium        |
| Final Pressure Drop   | 2.4" w.g.                          |
| Operating Temperature | 176°F                              |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS      |
| Gasket                | Gel                                |
| Protection Grids      | Painted Aluminium<br>on Both Sides |
| Separators            | Hotmelt                            |

## Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



2.87" Aluminium Profile View

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

## ▶ 95% @ 0.3µm-85% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/73-10APJ2G  | 12 | 12 | 3 | 12.00 | 12.00 | 2.87 | 28.00  | 90   | 0.20 |
| HFN-305/610/73-10APJ2G  | 12 | 24 | 3 | 12.00 | 24.01 | 2.87 | 56.00  | 180  | 0.20 |
| HFN-457/610/73-10APJ2G  | 18 | 24 | 3 | 17.99 | 24.01 | 2.87 | 84.00  | 265  | 0.20 |
| HFN-610/610/73-10APJ2G  | 24 | 24 | 3 | 24.01 | 24.01 | 2.87 | 112.00 | 360  | 0.20 |
| HFN-610/1220/73-10APJ2G | 24 | 48 | 3 | 24.01 | 48.03 | 2.87 | 224.00 | 720  | 0.20 |
| HFN-610/1830/73-10APJ2G | 24 | 72 | 3 | 24.01 | 72.04 | 2.87 | 336.00 | 1080 | 0.20 |

## ▶ 99.99% @ 0.3µm-99.95% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/73-13APJ2G  | 12 | 12 | 3 | 12.00 | 12.00 | 2.87 | 28.00  | 90   | 0.44 |
| HFN-305/610/73-13APJ2G  | 12 | 24 | 3 | 12.00 | 24.01 | 2.87 | 56.00  | 180  | 0.44 |
| HFN-457/610/73-13APJ2G  | 18 | 24 | 3 | 17.99 | 24.01 | 2.87 | 84.00  | 265  | 0.44 |
| HFN-610/610/73-13APJ2G  | 24 | 24 | 3 | 24.01 | 24.01 | 2.87 | 112.00 | 360  | 0.44 |
| HFN-610/1220/73-13APJ2G | 24 | 48 | 3 | 24.01 | 48.03 | 2.87 | 224.00 | 720  | 0.44 |
| HFN-610/1830/73-13APJ2G | 24 | 72 | 3 | 24.01 | 72.04 | 2.87 | 336.00 | 1080 | 0.44 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/73-14APJ2G  | 12 | 12 | 3 | 12.00 | 12.00 | 2.87 | 28.00  | 90   | 0.48 |
| HFN-305/610/73-14APJ2G  | 12 | 24 | 3 | 12.00 | 24.01 | 2.87 | 56.00  | 180  | 0.48 |
| HFN-457/610/73-14APJ2G  | 18 | 24 | 3 | 17.99 | 24.01 | 2.87 | 84.00  | 265  | 0.48 |
| HFN-610/610/73-14APJ2G  | 24 | 24 | 3 | 24.01 | 24.01 | 2.87 | 112.00 | 360  | 0.48 |
| HFN-610/1220/73-14APJ2G | 24 | 48 | 3 | 24.01 | 48.03 | 2.87 | 224.00 | 720  | 0.48 |
| HFN-610/1830/73-14APJ2G | 24 | 72 | 3 | 24.01 | 72.04 | 2.87 | 336.00 | 1080 | 0.48 |

► 99.9999% @ 0.3µm-99.9995% @ MPPS

|                         |    |    |   |       |       |      |        |      |      |
|-------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/73-15APJ2G  | 12 | 12 | 3 | 12.00 | 12.00 | 2.87 | 28.00  | 90   | 0.56 |
| HFN-305/610/73-15APJ2G  | 12 | 24 | 3 | 12.00 | 24.01 | 2.87 | 56.00  | 180  | 0.56 |
| HFN-457/610/73-15APJ2G  | 18 | 24 | 3 | 17.99 | 24.01 | 2.87 | 84.00  | 265  | 0.56 |
| HFN-610/610/73-15APJ2G  | 24 | 24 | 3 | 24.01 | 24.01 | 2.87 | 112.00 | 360  | 0.56 |
| HFN-610/1220/73-15APJ2G | 24 | 48 | 3 | 24.01 | 48.03 | 2.87 | 224.00 | 720  | 0.56 |
| HFN-610/1830/73-15APJ2G | 24 | 72 | 3 | 24.01 | 72.04 | 2.87 | 336.00 | 1080 | 0.56 |

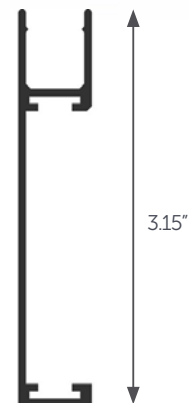
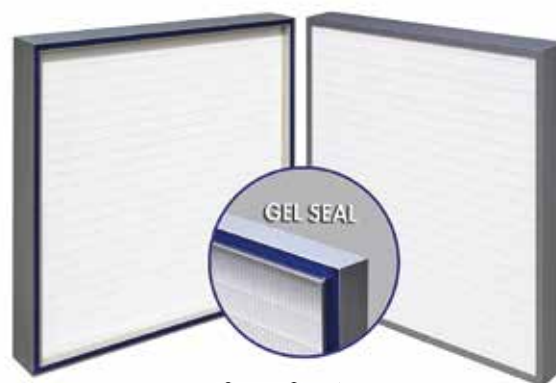
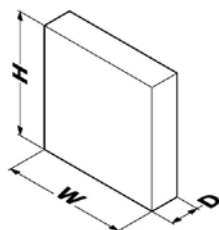
## ► HFN SERIES GEL SEAL 3.15" DEEP FRAME

HEPA & ULPA FILTERS ◀

|                       |                                    |
|-----------------------|------------------------------------|
| Media                 | Microglass Fiber                   |
| Frame                 | Extruded Anodized Aluminium        |
| Final Pressure Drop   | 2.4" w.g.                          |
| Operating Temperature | 176°F                              |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS      |
| Gasket                | Gel                                |
| Protection Grids      | Painted Aluminium<br>on Both Sides |
| Separators            | Hotmelt                            |

### Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



3.15" Aluminium Profile View

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3µm-85% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFN-305/305/80-10APJ2G  | 12 | 12 | 3.2 | 12.00 | 12.00 | 3.15 | 28.00  | 90   | 0.20 |
| HFN-305/610/80-10APJ2G  | 12 | 24 | 3.2 | 12.00 | 24.01 | 3.15 | 56.00  | 180  | 0.20 |
| HFN-457/610/80-10APJ2G  | 18 | 24 | 3.2 | 17.99 | 24.01 | 3.15 | 84.00  | 265  | 0.20 |
| HFN-610/610/80-10APJ2G  | 24 | 24 | 3.2 | 24.01 | 24.01 | 3.15 | 112.00 | 360  | 0.20 |
| HFN-610/1220/80-10APJ2G | 24 | 48 | 3.2 | 24.01 | 48.03 | 3.15 | 224.00 | 720  | 0.20 |
| HFN-610/1830/80-10APJ2G | 24 | 72 | 3.2 | 24.01 | 72.04 | 3.15 | 336.00 | 1080 | 0.20 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFN-305/305/80-13APJ2G  | 12 | 12 | 3.2 | 12.00 | 12.00 | 3.15 | 28.00  | 90   | 0.44 |
| HFN-305/610/80-13APJ2G  | 12 | 24 | 3.2 | 12.00 | 24.01 | 3.15 | 56.00  | 180  | 0.44 |
| HFN-457/610/80-13APJ2G  | 18 | 24 | 3.2 | 17.99 | 24.01 | 3.15 | 84.00  | 265  | 0.44 |
| HFN-610/610/80-13APJ2G  | 24 | 24 | 3.2 | 24.01 | 24.01 | 3.15 | 112.00 | 360  | 0.44 |
| HFN-610/1220/80-13APJ2G | 24 | 48 | 3.2 | 24.01 | 48.03 | 3.15 | 224.00 | 720  | 0.44 |
| HFN-610/1830/80-13APJ2G | 24 | 72 | 3.2 | 24.01 | 72.04 | 3.15 | 336.00 | 1080 | 0.44 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFN-305/305/80-14APJ2G  | 12 | 12 | 3.2 | 12.00 | 12.00 | 3.15 | 28.00  | 90   | 0.48 |
| HFN-305/610/80-14APJ2G  | 12 | 24 | 3.2 | 12.00 | 24.01 | 3.15 | 56.00  | 180  | 0.48 |
| HFN-457/610/80-14APJ2G  | 18 | 24 | 3.2 | 17.99 | 24.01 | 3.15 | 84.00  | 265  | 0.48 |
| HFN-610/610/80-14APJ2G  | 24 | 24 | 3.2 | 24.01 | 24.01 | 3.15 | 112.00 | 360  | 0.48 |
| HFN-610/1220/80-14APJ2G | 24 | 48 | 3.2 | 24.01 | 48.03 | 3.15 | 224.00 | 720  | 0.48 |
| HFN-610/1830/80-14APJ2G | 24 | 72 | 3.2 | 24.01 | 72.04 | 3.15 | 336.00 | 1080 | 0.48 |

► 99.9999% @ 0.3µm-99.9995% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFN-305/305/80-15APJ2G  | 12 | 12 | 3.2 | 12.00 | 12.00 | 3.15 | 28.00  | 90   | 0.56 |
| HFN-305/610/80-15APJ2G  | 12 | 24 | 3.2 | 12.00 | 24.01 | 3.15 | 56.00  | 180  | 0.56 |
| HFN-457/610/80-15APJ2G  | 18 | 24 | 3.2 | 17.99 | 24.01 | 3.15 | 84.00  | 265  | 0.56 |
| HFN-610/610/80-15APJ2G  | 24 | 24 | 3.2 | 24.01 | 24.01 | 3.15 | 112.00 | 360  | 0.56 |
| HFN-610/1220/80-15APJ2G | 24 | 48 | 3.2 | 24.01 | 48.03 | 3.15 | 224.00 | 720  | 0.56 |
| HFN-610/1830/80-15APJ2G | 24 | 72 | 3.2 | 24.01 | 72.04 | 3.15 | 336.00 | 1080 | 0.56 |

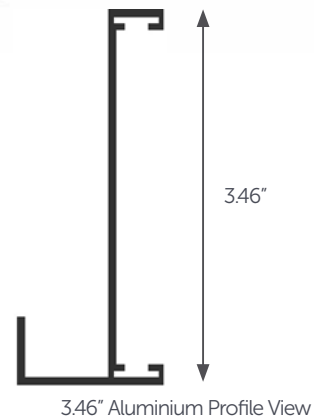
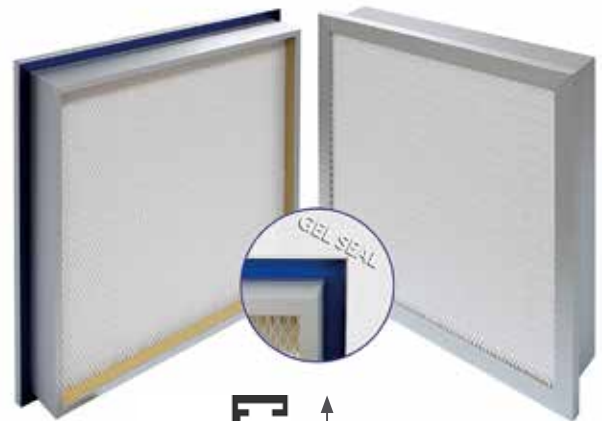
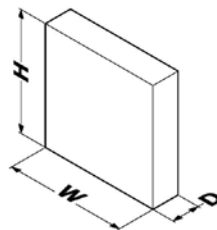
## ► HFP SERIES GEL SEAL 3.46" DEEP FRAME

HEPA & ULPA FILTERS ◀

|                       |                                    |
|-----------------------|------------------------------------|
| Media                 | Microglass Fiber                   |
| Frame                 | Extruded Anodized Aluminium        |
| Final Pressure Drop   | 2.4" w.g.                          |
| Operating Temperature | 176°F                              |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS      |
| Gasket                | Gel                                |
| Protection Grids      | Painted Aluminium<br>on Both Sides |
| Separators            | Hotmelt                            |

### Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



3.46" Aluminium Profile View

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3µm-85% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/88-10APJ2G  | 12 | 12 | 3.5 | 12.00 | 12.00 | 3.46 | 33.00  | 90   | 0.14 |
| HFP-305/610/88-10APJ2G  | 12 | 24 | 3.5 | 12.00 | 24.01 | 3.46 | 66.00  | 180  | 0.14 |
| HFP-457/610/88-10APJ2G  | 18 | 24 | 3.5 | 17.99 | 24.01 | 3.46 | 101.00 | 265  | 0.14 |
| HFP-610/610/88-10APJ2G  | 24 | 24 | 3.5 | 24.01 | 24.01 | 3.46 | 134.00 | 360  | 0.14 |
| HFP-610/1220/88-10APJ2G | 24 | 48 | 3.5 | 24.01 | 48.03 | 3.46 | 269.00 | 720  | 0.14 |
| HFP-610/1830/88-10APJ2G | 24 | 72 | 3.5 | 24.01 | 72.04 | 3.46 | 403.00 | 1080 | 0.14 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/88-13APJ2G  | 12 | 12 | 3.5 | 12.00 | 12.00 | 3.46 | 33.00  | 90   | 0.36 |
| HFP-305/610/88-13APJ2G  | 12 | 24 | 3.5 | 12.00 | 24.01 | 3.46 | 66.00  | 180  | 0.36 |
| HFP-457/610/88-13APJ2G  | 18 | 24 | 3.5 | 17.99 | 24.01 | 3.46 | 101.00 | 265  | 0.36 |
| HFP-610/610/88-13APJ2G  | 24 | 24 | 3.5 | 24.01 | 24.01 | 3.46 | 134.00 | 360  | 0.36 |
| HFP-610/1220/88-13APJ2G | 24 | 48 | 3.5 | 24.01 | 48.03 | 3.46 | 269.00 | 720  | 0.36 |
| HFP-610/1830/88-13APJ2G | 24 | 72 | 3.5 | 24.01 | 72.04 | 3.46 | 403.00 | 1080 | 0.36 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/88-14APJ2G  | 12 | 12 | 3.5 | 12.00 | 12.00 | 3.46 | 33.00  | 90   | 0.40 |
| HFP-305/610/88-14APJ2G  | 12 | 24 | 3.5 | 12.00 | 24.01 | 3.46 | 66.00  | 180  | 0.40 |
| HFP-457/610/88-14APJ2G  | 18 | 24 | 3.5 | 17.99 | 24.01 | 3.46 | 101.00 | 265  | 0.40 |
| HFP-610/610/88-14APJ2G  | 24 | 24 | 3.5 | 24.01 | 24.01 | 3.46 | 134.00 | 360  | 0.40 |
| HFP-610/1220/88-14APJ2G | 24 | 48 | 3.5 | 24.01 | 48.03 | 3.46 | 269.00 | 720  | 0.40 |
| HFP-610/1830/88-14APJ2G | 24 | 72 | 3.5 | 24.01 | 72.04 | 3.46 | 403.00 | 1080 | 0.40 |

► 99.9999% @ 0.3µm-99.9995% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/88-15APJ2G  | 12 | 12 | 3.5 | 12.00 | 12.00 | 3.46 | 33.00  | 90   | 0.48 |
| HFP-305/610/88-15APJ2G  | 12 | 24 | 3.5 | 12.00 | 24.01 | 3.46 | 66.00  | 180  | 0.48 |
| HFP-457/610/88-15APJ2G  | 18 | 24 | 3.5 | 17.99 | 24.01 | 3.46 | 101.00 | 265  | 0.48 |
| HFP-610/610/88-15APJ2G  | 24 | 24 | 3.5 | 24.01 | 24.01 | 3.46 | 134.00 | 360  | 0.48 |
| HFP-610/1220/88-15APJ2G | 24 | 48 | 3.5 | 24.01 | 48.03 | 3.46 | 269.00 | 720  | 0.48 |
| HFP-610/1830/88-15APJ2G | 24 | 72 | 3.5 | 24.01 | 72.04 | 3.46 | 403.00 | 1080 | 0.48 |

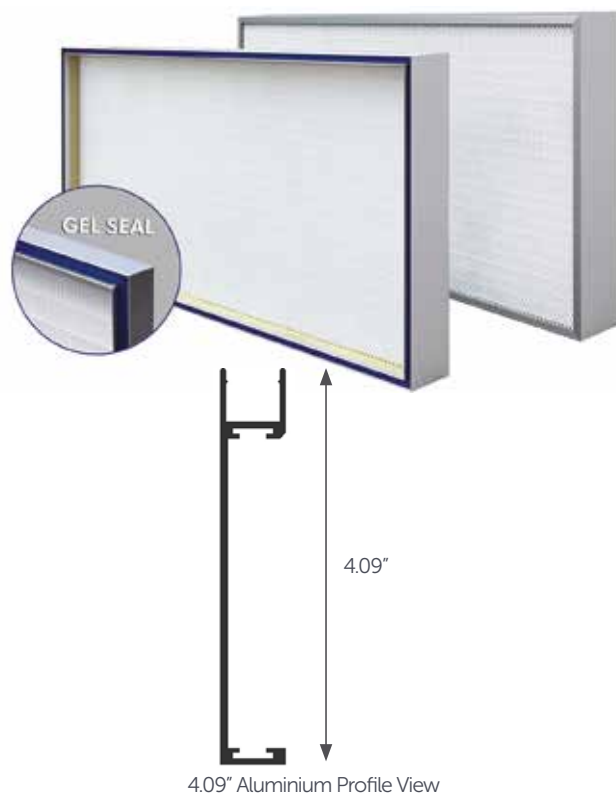
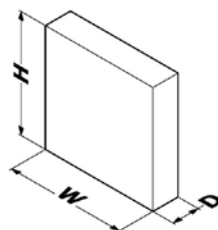
# HFP SERIES GEL SEAL 4.09" DEEP FRAME

HEPA & ULPA FILTERS

|                       |                                    |
|-----------------------|------------------------------------|
| Media                 | Microglass Fiber                   |
| Frame                 | Extruded Anodized Aluminium        |
| Final Pressure Drop   | 2.4" w.g.                          |
| Operating Temperature | 176°F                              |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS      |
| Gasket                | Gel                                |
| Protection Grids      | Painted Aluminium<br>on Both Sides |
| Separators            | Hotmelt                            |

## Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

## ► 95% @ 0.3µm-85% @ MPPS

|                          |    |    |     |       |       |      |        |      |      |
|--------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/104-10APJ2G  | 12 | 12 | 4.1 | 12.00 | 12.00 | 4.09 | 33.00  | 90   | 0.14 |
| HFP-305/610/104-10APJ2G  | 12 | 24 | 4.1 | 12.00 | 24.01 | 4.09 | 66.00  | 180  | 0.14 |
| HFP-457/610/104-10APJ2G  | 18 | 24 | 4.1 | 17.99 | 24.01 | 4.09 | 101.00 | 265  | 0.14 |
| HFP-610/610/104-10APJ2G  | 24 | 24 | 4.1 | 24.01 | 24.01 | 4.09 | 134.00 | 360  | 0.14 |
| HFP-610/1220/104-10APJ2G | 24 | 48 | 4.1 | 24.01 | 48.03 | 4.09 | 269.00 | 720  | 0.14 |
| HFP-610/1830/104-10APJ2G | 24 | 72 | 4.1 | 24.01 | 72.04 | 4.09 | 403.00 | 1080 | 0.14 |

## ► 99.99% @ 0.3µm-99.95% @ MPPS

|                          |    |    |     |       |       |      |        |      |      |
|--------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/104-13APJ2G  | 12 | 12 | 4.1 | 12.00 | 12.00 | 4.09 | 33.00  | 90   | 0.36 |
| HFP-305/610/104-13APJ2G  | 12 | 24 | 4.1 | 12.00 | 24.01 | 4.09 | 66.00  | 180  | 0.36 |
| HFP-457/610/104-13APJ2G  | 18 | 24 | 4.1 | 17.99 | 24.01 | 4.09 | 101.00 | 265  | 0.36 |
| HFP-610/610/104-13APJ2G  | 24 | 24 | 4.1 | 24.01 | 24.01 | 4.09 | 134.00 | 360  | 0.36 |
| HFP-610/1220/104-13APJ2G | 24 | 48 | 4.1 | 24.01 | 48.03 | 4.09 | 269.00 | 720  | 0.36 |
| HFP-610/1830/104-13APJ2G | 24 | 72 | 4.1 | 24.01 | 72.04 | 4.09 | 403.00 | 1080 | 0.36 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                          |    |    |     |       |       |      |        |      |      |
|--------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/104-14APJ2G  | 12 | 12 | 4.1 | 12.00 | 12.00 | 4.09 | 33.00  | 90   | 0.40 |
| HFP-305/610/104-14APJ2G  | 12 | 24 | 4.1 | 12.00 | 24.01 | 4.09 | 66.00  | 180  | 0.40 |
| HFP-457/610/104-14APJ2G  | 18 | 24 | 4.1 | 17.99 | 24.01 | 4.09 | 101.00 | 265  | 0.40 |
| HFP-610/610/104-14APJ2G  | 24 | 24 | 4.1 | 24.01 | 24.01 | 4.09 | 134.00 | 360  | 0.40 |
| HFP-610/1220/104-14APJ2G | 24 | 48 | 4.1 | 24.01 | 48.03 | 4.09 | 269.00 | 720  | 0.40 |
| HFP-610/1830/104-14APJ2G | 24 | 72 | 4.1 | 24.01 | 72.04 | 4.09 | 403.00 | 1080 | 0.40 |

► 99.9999% @ 0.3µm-99.9995% @ MPPS

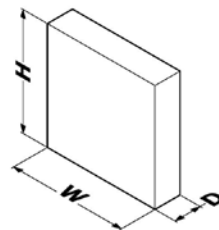
|                          |    |    |     |       |       |      |        |      |      |
|--------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/104-15APJ2G  | 12 | 12 | 4.1 | 12.00 | 12.00 | 4.09 | 33.00  | 90   | 0.48 |
| HFP-305/610/104-15APJ2G  | 12 | 24 | 4.1 | 12.00 | 24.01 | 4.09 | 66.00  | 180  | 0.48 |
| HFP-457/610/104-15APJ2G  | 18 | 24 | 4.1 | 17.99 | 24.01 | 4.09 | 101.00 | 265  | 0.48 |
| HFP-610/610/104-15APJ2G  | 24 | 24 | 4.1 | 24.01 | 24.01 | 4.09 | 134.00 | 360  | 0.48 |
| HFP-610/1220/104-15APJ2G | 24 | 48 | 4.1 | 24.01 | 48.03 | 4.09 | 269.00 | 720  | 0.48 |
| HFP-610/1830/104-15APJ2G | 24 | 72 | 4.1 | 24.01 | 72.04 | 4.09 | 403.00 | 1080 | 0.48 |

|                       |                                      |
|-----------------------|--------------------------------------|
| Media                 | Microglass Fiber                     |
| Frame                 | Extruded Anodized Aluminium          |
| Final Pressure Drop   | 2.4" w.g.                            |
| Operating Temperature | 176°F                                |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS        |
| Gasket                | Half Round Endless<br>Polyurethane   |
| Protection Grids      | Powder Coated Metal<br>on Both Sides |
| Separators            | Hotmelt                              |

### Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)

**CLASSIFIED**  
**UL**  
**AIR FILTER UNIT**  
**AS TO FLAMMABILITY ONLY**  
**R39025**



| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3µm-85% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/90-10APD2G  | 12 | 12 | 3.6 | 12.00 | 12.00 | 3.54 | 33.00  | 90   | 0.14 |
| HFP-305/610/90-10APD2G  | 12 | 24 | 3.6 | 12.00 | 24.01 | 3.54 | 66.00  | 180  | 0.14 |
| HFP-457/610/90-10APD2G  | 18 | 24 | 3.6 | 17.99 | 24.01 | 3.54 | 101.00 | 265  | 0.14 |
| HFP-610/610/90-10APD2G  | 24 | 24 | 3.6 | 24.01 | 24.01 | 3.54 | 134.00 | 360  | 0.14 |
| HFP-610/1220/90-10APD2G | 24 | 48 | 3.6 | 24.01 | 48.03 | 3.54 | 269.00 | 720  | 0.14 |
| HFP-610/1830/90-10APD2G | 24 | 72 | 3.6 | 24.01 | 72.04 | 3.54 | 403.00 | 1080 | 0.14 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/90-13APD2G  | 12 | 12 | 3.6 | 12.00 | 12.00 | 3.54 | 33.00  | 90   | 0.36 |
| HFP-305/610/90-13APD2G  | 12 | 24 | 3.6 | 12.00 | 24.01 | 3.54 | 66.00  | 180  | 0.36 |
| HFP-457/610/90-13APD2G  | 18 | 24 | 3.6 | 17.99 | 24.01 | 3.54 | 101.00 | 265  | 0.36 |
| HFP-610/610/90-13APD2G  | 24 | 24 | 3.6 | 24.01 | 24.01 | 3.54 | 134.00 | 360  | 0.36 |
| HFP-610/1220/90-13APD2G | 24 | 48 | 3.6 | 24.01 | 48.03 | 3.54 | 269.00 | 720  | 0.36 |
| HFP-610/1830/90-13APD2G | 24 | 72 | 3.6 | 24.01 | 72.04 | 3.54 | 403.00 | 1080 | 0.36 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/90-14APD2G  | 12 | 12 | 3.6 | 12.00 | 12.00 | 3.54 | 33.00  | 90   | 0.40 |
| HFP-305/610/90-14APD2G  | 12 | 24 | 3.6 | 12.00 | 24.01 | 3.54 | 66.00  | 180  | 0.40 |
| HFP-457/610/90-14APD2G  | 18 | 24 | 3.6 | 17.99 | 24.01 | 3.54 | 101.00 | 265  | 0.40 |
| HFP-610/610/90-14APD2G  | 24 | 24 | 3.6 | 24.01 | 24.01 | 3.54 | 134.00 | 360  | 0.40 |
| HFP-610/1220/90-14APD2G | 24 | 48 | 3.6 | 24.01 | 48.03 | 3.54 | 269.00 | 720  | 0.40 |
| HFP-610/1830/90-14APD2G | 24 | 72 | 3.6 | 24.01 | 72.04 | 3.54 | 403.00 | 1080 | 0.40 |

► 99.9999% @ 0.3µm-99.9995% @ MPPS

|                         |    |    |     |       |       |      |        |      |      |
|-------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFP-305/305/90-15APD2G  | 12 | 12 | 3.6 | 12.00 | 12.00 | 3.54 | 33.00  | 90   | 0.48 |
| HFP-305/610/90-15APD2G  | 12 | 24 | 3.6 | 12.00 | 24.01 | 3.54 | 66.00  | 180  | 0.48 |
| HFP-457/610/90-15APD2G  | 18 | 24 | 3.6 | 17.99 | 24.01 | 3.54 | 101.00 | 265  | 0.48 |
| HFP-610/610/90-15APD2G  | 24 | 24 | 3.6 | 24.01 | 24.01 | 3.54 | 134.00 | 360  | 0.48 |
| HFP-610/1220/90-15APD2G | 24 | 48 | 3.6 | 24.01 | 48.03 | 3.54 | 269.00 | 720  | 0.48 |
| HFP-610/1830/90-15APD2G | 24 | 72 | 3.6 | 24.01 | 72.04 | 3.54 | 403.00 | 1080 | 0.48 |

# HFN SERIES ALUMINIUM PROFILE 5.90" DEEP FRAME

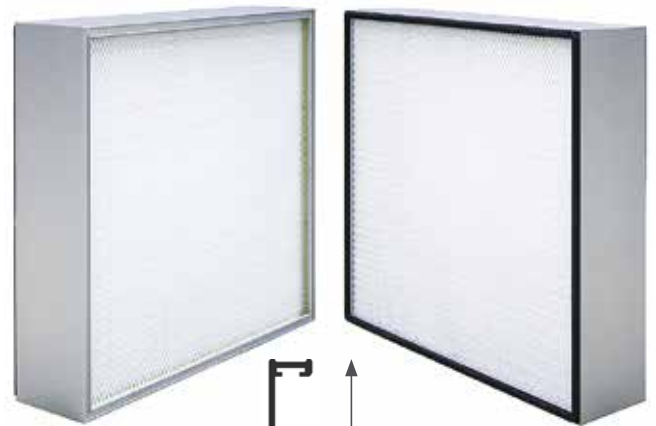
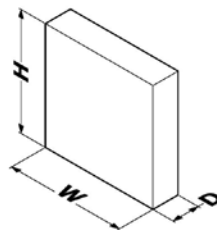
HEPA & ULPA FILTERS

|                       |                                      |
|-----------------------|--------------------------------------|
| Media                 | Microglass Fiber                     |
| Frame                 | Extruded Anodized Aluminium          |
| Final Pressure Drop   | 2.4" w.g.                            |
| Operating Temperature | 176°F                                |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS        |
| Gasket                | Half Round Endless<br>Polyurethane   |
| Protection Grids      | Powder Coated Metal<br>on Both Sides |
| Separators            | Hotmelt                              |

## Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)

**CLASSIFIED**  
**UL**  
**AIR FILTER UNIT**  
**AS TO FLAMMABILITY ONLY**  
**R39025**



5.90"

5.90" Aluminium Profile View

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

## ► 95% @ 0.3µm-85% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/150-10APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 28.00  | 90   | 0.20 |
| HFN-305/610/150-10APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 56.00  | 180  | 0.20 |
| HFN-457/610/150-10APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 84.00  | 265  | 0.20 |
| HFN-610/610/150-10APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 112.00 | 360  | 0.20 |
| HFN-610/1220/150-10APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 224.00 | 720  | 0.20 |
| HFN-610/1830/150-10APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 336.00 | 1080 | 0.20 |

## ► 99.99% @ 0.3µm-99.95% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/150-13APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 28.00  | 90   | 0.44 |
| HFN-305/610/150-13APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 56.00  | 180  | 0.44 |
| HFN-457/610/150-13APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 84.00  | 265  | 0.44 |
| HFN-610/610/150-13APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 112.00 | 360  | 0.44 |
| HFN-610/1220/150-13APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 224.00 | 720  | 0.44 |
| HFN-610/1830/150-13APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 336.00 | 1080 | 0.44 |

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

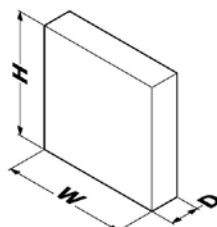
► 99.999% @ 0.3µm-99.995% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFN-305/305/150-14APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 28.00  | 90   | 0.48 |
| HFN-305/610/150-14APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 56.00  | 180  | 0.48 |
| HFN-457/610/150-14APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 84.00  | 265  | 0.48 |
| HFN-610/610/150-14APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 112.00 | 360  | 0.48 |
| HFN-610/1220/150-14APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 224.00 | 720  | 0.48 |
| HFN-610/1830/150-14APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 336.00 | 1080 | 0.48 |

|                       |                                                |
|-----------------------|------------------------------------------------|
| Media                 | Microglass Fiber                               |
| Frame                 | MDF                                            |
| Final Pressure Drop   | 2.4" w.g.                                      |
| Operating Temperature | 176°F                                          |
| Filter Efficiency     | 95% @ 0.3μm - 99.999% @ 0.3μm                  |
| Gasket                | Neoprene or Half Round<br>Endless Polyurethane |
| Protection Grids      | Optional                                       |
| Separators            | Hotmelt                                        |

### Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3μm-85% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFN-305/305/150-10PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 28.00  | 412  | 1.0 |
| HFN-305/610/150-10PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 56.00  | 824  | 1.0 |
| HFN-457/610/150-10PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 84.00  | 1236 | 1.0 |
| HFN-610/610/150-10PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 112.00 | 1648 | 1.0 |
| HFN-610/1220/150-10PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 224.00 | 3296 | 1.0 |
| HFN-610/1830/150-10PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 336.00 | 4944 | 1.0 |

### ► 99.99% @ 0.3μm-99.95% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFN-305/305/150-13PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 28.00  | 182  | 1.0 |
| HFN-305/610/150-13PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 56.00  | 367  | 1.0 |
| HFN-457/610/150-13PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 84.00  | 547  | 1.0 |
| HFN-610/610/150-13PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 112.00 | 735  | 1.0 |
| HFN-610/1220/150-13PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 224.00 | 1471 | 1.0 |
| HFN-610/1830/150-13PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 336.00 | 2207 | 1.0 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFN-305/305/150-14PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 28.00  | 161  | 1.0 |
| HFN-305/610/150-14PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 56.00  | 323  | 1.0 |
| HFN-457/610/150-14PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 84.00  | 482  | 1.0 |
| HFN-610/610/150-14PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 112.00 | 647  | 1.0 |
| HFN-610/1220/150-14PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 224.00 | 1294 | 1.0 |
| HFN-610/1830/150-14PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 336.00 | 1942 | 1.0 |

# HFP SERIES ALUMINIUM PROFILE 5.90" DEEP FRAME

## HEPA & ULPA FILTERS

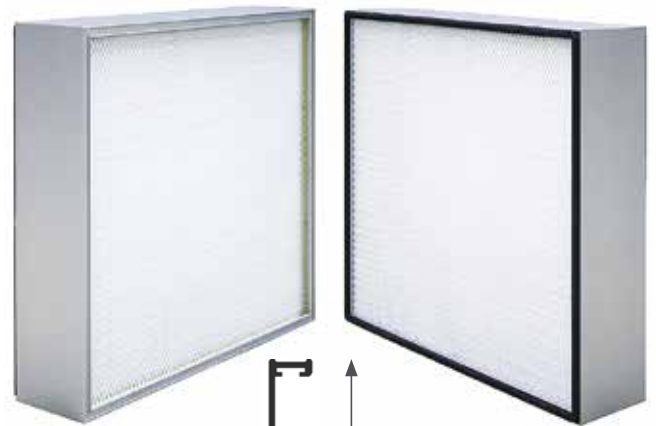
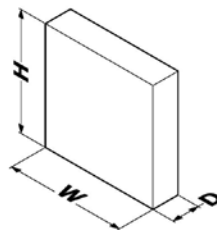
|                       |                                      |
|-----------------------|--------------------------------------|
| Media                 | Microglass Fiber                     |
| Frame                 | Extruded Anodized Aluminium          |
| Final Pressure Drop   | 2.4" w.g.                            |
| Operating Temperature | 176°F                                |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS        |
| Gasket                | Half Round Endless<br>Polyurethane   |
| Protection Grids      | Powder Coated Metal<br>on Both Sides |
| Separators            | Hotmelt                              |

### Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



**AIR FILTER UNIT  
AS TO FLAMMABILITY ONLY  
R39025**



5.90"

5.90" Aluminium Profile View

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3µm-85% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFP-305/305/150-10APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 33.00  | 90   | 0.14 |
| HFP-305/610/150-10APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 66.00  | 180  | 0.14 |
| HFP-457/610/150-10APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 101.00 | 265  | 0.14 |
| HFP-610/610/150-10APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 134.00 | 360  | 0.14 |
| HFP-610/1220/150-10APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 269.00 | 720  | 0.14 |
| HFP-610/1830/150-10APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 403.00 | 1080 | 0.14 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFP-305/305/150-13APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 33.00  | 90   | 0.36 |
| HFP-305/610/150-13APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 66.00  | 180  | 0.36 |
| HFP-457/610/150-13APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 101.00 | 265  | 0.36 |
| HFP-610/610/150-13APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 134.00 | 360  | 0.36 |
| HFP-610/1220/150-13APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 269.00 | 720  | 0.36 |
| HFP-610/1830/150-13APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 403.00 | 1080 | 0.36 |

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFP-305/305/150-14APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 33.00  | 90   | 0.40 |
| HFP-305/610/150-14APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 66.00  | 180  | 0.40 |
| HFP-457/610/150-14APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 101.00 | 265  | 0.40 |
| HFP-610/610/150-14APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 134.00 | 360  | 0.40 |
| HFP-610/1220/150-14APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 269.00 | 720  | 0.40 |
| HFP-610/1830/150-14APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 403.00 | 1080 | 0.40 |

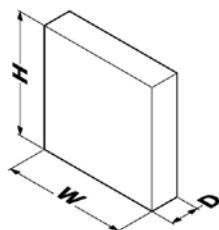
► 99.9999% @ 0.3µm-99.9995% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFP-305/305/150-15APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 33.00  | 90   | 0.48 |
| HFP-305/610/150-15APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 66.00  | 180  | 0.48 |
| HFP-457/610/150-15APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 101.00 | 265  | 0.48 |
| HFP-610/610/150-15APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 134.00 | 360  | 0.48 |
| HFP-610/1220/150-15APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 269.00 | 720  | 0.48 |
| HFP-610/1830/150-15APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 403.00 | 1080 | 0.48 |

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Media                 | Microglass Fiber                                    |
| Frame                 | MDF                                                 |
| Final Pressure Drop   | 2.4" w.g.                                           |
| Operating Temperature | 176°F                                               |
| Filter Efficiency     | 95% @ 0.3μm - 99.999% @ 0.3μm                       |
| Gasket                | Flat Neoprene or Half Round<br>Endless Polyurethane |
| Protection Grids      | Optional                                            |
| Separators            | Hotmelt                                             |

### Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3μm-85% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFP-305/305/150-10PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 33.00  | 493  | 1.0 |
| HFP-305/610/150-10PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 66.00  | 986  | 1.0 |
| HFP-457/610/150-10PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 101.00 | 1479 | 1.0 |
| HFP-610/610/150-10PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 134.00 | 1972 | 1.0 |
| HFP-610/1220/150-10PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 269.00 | 3944 | 1.0 |
| HFP-610/1830/150-10PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 403.00 | 5916 | 1.0 |

### ► 99.99% @ 0.3μm-99.95% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFP-305/305/150-13PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 33.00  | 220  | 1.0 |
| HFP-305/610/150-13PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 66.00  | 441  | 1.0 |
| HFP-457/610/150-13PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 101.00 | 660  | 1.0 |
| HFP-610/610/150-13PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 134.00 | 882  | 1.0 |
| HFP-610/1220/150-13PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 269.00 | 1766 | 1.0 |
| HFP-610/1830/150-13PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 403.00 | 2648 | 1.0 |

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFP-305/305/150-14PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 33.00  | 191  | 1.0 |
| HFP-305/610/150-14PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 66.00  | 382  | 1.0 |
| HFP-457/610/150-14PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 101.00 | 573  | 1.0 |
| HFP-610/610/150-14PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 134.00 | 765  | 1.0 |
| HFP-610/1220/150-14PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 269.00 | 1530 | 1.0 |
| HFP-610/1830/150-14PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 403.00 | 2295 | 1.0 |

# HFS SERIES ALUMINIUM PROFILE 4.33" DEEP FRAME

HEPA & ULPA FILTERS

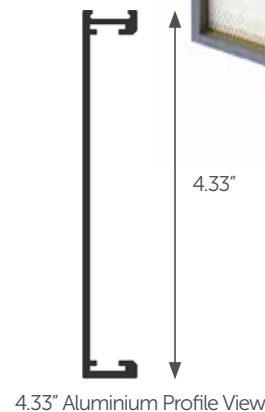
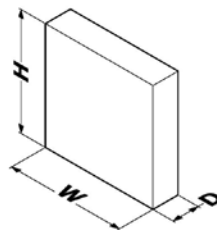
|                       |                                      |
|-----------------------|--------------------------------------|
| Media                 | Microglass Fiber                     |
| Frame                 | Extruded Anodized Aluminium          |
| Final Pressure Drop   | 2.4" w.g.                            |
| Operating Temperature | 176°F                                |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS        |
| Gasket                | Half Round Endless<br>Polyurethane   |
| Protection Grids      | Powder Coated Metal<br>on Both Sides |
| Separators            | Hotmelt                              |

## Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



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| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

## ► 95% @ 0.3µm-85% @ MPPS

|                          |    |    |     |       |       |      |        |      |      |
|--------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFS-305/305/110-10APD2G  | 12 | 12 | 4.5 | 12.00 | 12.00 | 4.33 | 48.00  | 90   | 0.12 |
| HFS-305/610/110-10APD2G  | 12 | 24 | 4.5 | 12.00 | 24.01 | 4.33 | 97.00  | 180  | 0.12 |
| HFS-457/610/110-10APD2G  | 18 | 24 | 4.5 | 17.99 | 24.01 | 4.33 | 145.00 | 265  | 0.12 |
| HFS-610/610/110-10APD2G  | 24 | 24 | 4.5 | 24.01 | 24.01 | 4.33 | 194.00 | 360  | 0.12 |
| HFS-610/1220/110-10APD2G | 24 | 48 | 4.5 | 24.01 | 48.03 | 4.33 | 387.00 | 720  | 0.12 |
| HFS-610/1830/110-10APD2G | 24 | 72 | 4.5 | 24.01 | 72.04 | 4.33 | 581.00 | 1080 | 0.12 |

## ► 99.99% @ 0.3µm-99.95% @ MPPS

|                          |    |    |     |       |       |      |        |      |      |
|--------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFS-305/305/110-13APD2G  | 12 | 12 | 4.5 | 12.00 | 12.00 | 4.33 | 48.00  | 90   | 0.30 |
| HFS-305/610/110-13APD2G  | 12 | 24 | 4.5 | 12.00 | 24.01 | 4.33 | 97.00  | 180  | 0.30 |
| HFS-457/610/110-13APD2G  | 18 | 24 | 4.5 | 17.99 | 24.01 | 4.33 | 145.00 | 265  | 0.30 |
| HFS-610/610/110-13APD2G  | 24 | 24 | 4.5 | 24.01 | 24.01 | 4.33 | 194.00 | 360  | 0.30 |
| HFS-610/1220/110-13APD2G | 24 | 48 | 4.5 | 24.01 | 48.03 | 4.33 | 387.00 | 720  | 0.30 |
| HFS-610/1830/110-13APD2G | 24 | 72 | 4.5 | 24.01 | 72.04 | 4.33 | 581.00 | 1080 | 0.30 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                          |    |    |     |       |       |      |        |      |      |
|--------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFS-305/305/110-14APD2G  | 12 | 12 | 4.5 | 12.00 | 12.00 | 4.33 | 48.00  | 90   | 0.34 |
| HFS-305/610/110-14APD2G  | 12 | 24 | 4.5 | 12.00 | 24.01 | 4.33 | 97.00  | 180  | 0.34 |
| HFS-457/610/110-14APD2G  | 18 | 24 | 4.5 | 17.99 | 24.01 | 4.33 | 145.00 | 265  | 0.34 |
| HFS-610/610/110-14APD2G  | 24 | 24 | 4.5 | 24.01 | 24.01 | 4.33 | 194.00 | 360  | 0.34 |
| HFS-610/1220/110-14APD2G | 24 | 48 | 4.5 | 24.01 | 48.03 | 4.33 | 387.00 | 720  | 0.34 |
| HFS-610/1830/110-14APD2G | 24 | 72 | 4.5 | 24.01 | 72.04 | 4.33 | 581.00 | 1080 | 0.34 |

► 99.9999% @ 0.3µm-99.9995% @ MPPS

|                          |    |    |     |       |       |      |        |      |      |
|--------------------------|----|----|-----|-------|-------|------|--------|------|------|
| HFS-305/305/110-15APD2G  | 12 | 12 | 4.5 | 12.00 | 12.00 | 4.33 | 48.00  | 90   | 0.40 |
| HFS-305/610/110-15APD2G  | 12 | 24 | 4.5 | 12.00 | 24.01 | 4.33 | 97.00  | 180  | 0.40 |
| HFS-457/610/110-15APD2G  | 18 | 24 | 4.5 | 17.99 | 24.01 | 4.33 | 145.00 | 265  | 0.40 |
| HFS-610/610/110-15APD2G  | 24 | 24 | 4.5 | 24.01 | 24.01 | 4.33 | 194.00 | 360  | 0.40 |
| HFS-610/1220/110-15APD2G | 24 | 48 | 4.5 | 24.01 | 48.03 | 4.33 | 387.00 | 720  | 0.40 |
| HFS-610/1830/110-15APD2G | 24 | 72 | 4.5 | 24.01 | 72.04 | 4.33 | 581.00 | 1080 | 0.40 |

# HFS SERIES ALUMINIUM PROFILE 5.90" DEEP FRAME

HEPA & ULPA FILTERS

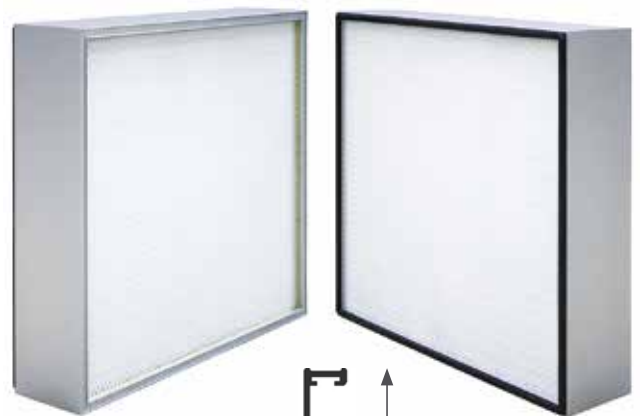
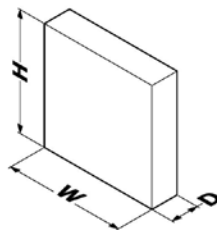
|                       |                                      |
|-----------------------|--------------------------------------|
| Media                 | Microglass Fiber                     |
| Frame                 | Extruded Anodized Aluminium          |
| Final Pressure Drop   | 2.4" w.g.                            |
| Operating Temperature | 176°F                                |
| Filter Efficiency     | 95% @ 0.3µm - 99.9995% @ MPPS        |
| Gasket                | Half Round Endless<br>Polyurethane   |
| Protection Grids      | Powder Coated Metal<br>on Both Sides |
| Separators            | Hotmelt                              |

## Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



**AIR FILTER UNIT  
AS TO FLAMMABILITY ONLY  
R39025**



5.90" Aluminium Profile View

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3µm-85% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFS-305/305/150-10APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 48.00  | 90   | 0.12 |
| HFS-305/610/150-10APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 97.00  | 180  | 0.12 |
| HFS-457/610/150-10APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 145.00 | 265  | 0.12 |
| HFS-610/610/150-10APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 194.00 | 360  | 0.12 |
| HFS-610/1220/150-10APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 387.00 | 720  | 0.12 |
| HFS-610/1830/150-10APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 581.00 | 1080 | 0.12 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFS-305/305/150-13APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 48.00  | 90   | 0.30 |
| HFS-305/610/150-13APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 97.00  | 180  | 0.30 |
| HFS-457/610/150-13APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 145.00 | 265  | 0.30 |
| HFS-610/610/150-13APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 194.00 | 360  | 0.30 |
| HFS-610/1220/150-13APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 387.00 | 720  | 0.30 |
| HFS-610/1830/150-13APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 581.00 | 1080 | 0.30 |

| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFS-305/305/150-14APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 48.00  | 90   | 0.34 |
| HFS-305/610/150-14APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 97.00  | 180  | 0.34 |
| HFS-457/610/150-14APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 145.00 | 265  | 0.34 |
| HFS-610/610/150-14APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 194.00 | 360  | 0.34 |
| HFS-610/1220/150-14APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 387.00 | 720  | 0.34 |
| HFS-610/1830/150-14APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 581.00 | 1080 | 0.34 |

► 99.9999% @ 0.3µm-99.9995% @ MPPS

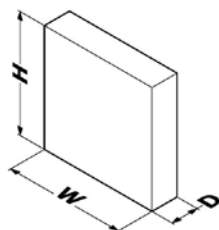
|                          |    |    |   |       |       |      |        |      |      |
|--------------------------|----|----|---|-------|-------|------|--------|------|------|
| HFS-305/305/150-15APD2G  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 48.00  | 90   | 0.40 |
| HFS-305/610/150-15APD2G  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 97.00  | 180  | 0.40 |
| HFS-457/610/150-15APD2G  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 145.00 | 265  | 0.40 |
| HFS-610/610/150-15APD2G  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 194.00 | 360  | 0.40 |
| HFS-610/1220/150-15APD2G | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 387.00 | 720  | 0.40 |
| HFS-610/1830/150-15APD2G | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 581.00 | 1080 | 0.40 |

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Media                 | Microglass Fiber                                    |
| Frame                 | MDF                                                 |
| Final Pressure Drop   | 2.4" w.g.                                           |
| Operating Temperature | 176°F                                               |
| Filter Efficiency     | 95% @ 0.3µm - 99.999% @ 0.3µm                       |
| Gasket                | Flat Neoprene or Half Round<br>Endless Polyurethane |
| Protection Grids      | Painted Aluminium<br>on Both Sides                  |
| Separators            | Hotmelt                                             |



### Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3µm-85% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFS-305/305/150-10PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 48.00  | 530  | 1.0 |
| HFS-305/610/150-10PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 97.00  | 1060 | 1.0 |
| HFS-457/610/150-10PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 145.00 | 1590 | 1.0 |
| HFS-610/610/150-10PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 194.00 | 2120 | 1.0 |
| HFS-610/1220/150-10PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 387.00 | 4240 | 1.0 |
| HFS-610/1830/150-10PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 581.00 | 6355 | 1.0 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFS-305/305/150-13PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 48.00  | 280  | 1.0 |
| HFS-305/610/150-13PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 97.00  | 560  | 1.0 |
| HFS-457/610/150-13PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 145.00 | 835  | 1.0 |
| HFS-610/610/150-13PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 194.00 | 882  | 1.0 |
| HFS-610/1220/150-13PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 387.00 | 1120 | 1.0 |
| HFS-610/1830/150-13PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 581.00 | 3355 | 1.0 |

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

► 99.999% @ 0.3µm-99.995% @ MPPS

|                       |    |    |   |       |       |      |        |      |     |
|-----------------------|----|----|---|-------|-------|------|--------|------|-----|
| HFS-305/305/150-14PD  | 12 | 12 | 6 | 12.00 | 12.00 | 5.90 | 48.00  | 235  | 1.0 |
| HFS-305/610/150-14PD  | 12 | 24 | 6 | 12.00 | 24.01 | 5.90 | 97.00  | 470  | 1.0 |
| HFS-457/610/150-14PD  | 18 | 24 | 6 | 17.99 | 24.01 | 5.90 | 145.00 | 706  | 1.0 |
| HFS-610/610/150-14PD  | 24 | 24 | 6 | 24.01 | 24.01 | 5.90 | 194.00 | 940  | 1.0 |
| HFS-610/1220/150-14PD | 24 | 48 | 6 | 24.01 | 48.03 | 5.90 | 387.00 | 1883 | 1.0 |
| HFS-610/1830/150-14PD | 24 | 72 | 6 | 24.01 | 72.04 | 5.90 | 581.00 | 2295 | 1.0 |

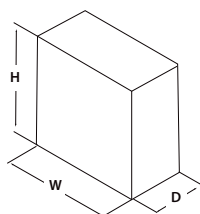
# HFH SERIES MDF 11.5" DEEP FRAME

HEPA & ULPA FILTERS

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Media                 | Microglass Fiber                                    |
| Frame                 | MDF                                                 |
| Final Pressure Drop   | 2.4" w.g.                                           |
| Operating Temperature | 176°F                                               |
| Filter Efficiency     | 95% @ 0.3μm - 99.999% @ 0.3μm                       |
| Gasket                | Flat Neoprene or Half Round<br>Endless Polyurethane |
| Protection Grids      | Painted Aluminium<br>on Both Sides                  |
| Separators            | Hotmelt                                             |

## Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3μm-85% @ MPPS

|                      |    |    |      |       |       |       |        |      |     |
|----------------------|----|----|------|-------|-------|-------|--------|------|-----|
| HFH-305/305/292-10PD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 60.00  | 600  | 1.0 |
| HFH-305/610/292-10PD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 120.00 | 1200 | 1.0 |
| HFH-457/610/292-10PD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 180.00 | 1850 | 1.0 |
| HFH-610/610/292-10PD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 241.00 | 2400 | 1.0 |

### ► 99.99% @ 0.3μm-99.95% @ MPPS

|                      |    |    |      |       |       |       |        |      |     |
|----------------------|----|----|------|-------|-------|-------|--------|------|-----|
| HFH-305/305/292-13PD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 60.00  | 350  | 1.0 |
| HFH-305/610/292-13PD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 120.00 | 700  | 1.0 |
| HFH-457/610/292-13PD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 180.00 | 1000 | 1.0 |
| HFH-610/610/292-13PD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 241.00 | 1400 | 1.0 |

### ► 99.999% @ 0.3μm-99.995% @ MPPS

|                      |    |    |      |       |       |       |        |      |     |
|----------------------|----|----|------|-------|-------|-------|--------|------|-----|
| HFH-305/305/292-14PD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 60.00  | 320  | 1.0 |
| HFH-305/610/292-14PD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 120.00 | 640  | 1.0 |
| HFH-457/610/292-14PD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 180.00 | 950  | 1.0 |
| HFH-610/610/292-14PD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 241.00 | 1280 | 1.0 |

# HFH SERIES SHEET METAL 11.5" DEEP FRAME

HEPA & ULPA FILTERS

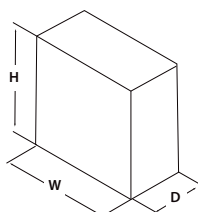
|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Media                 | Microglass Fiber                                 |
| Frame                 | Galvanized Steel, Aluminium, Stainless Steel     |
| Final Pressure Drop   | 2.4" w.g.                                        |
| Operating Temperature | 176°F                                            |
| Filter Efficiency     | 95% @ 0.3µm - 99.999% @ 0.3µm                    |
| Gasket                | Flat Neoprene or Half Round Endless Polyurethane |
| Protection Grids      | Powder Coated Metal on Both Sides                |
| Separators            | Hotmelt                                          |



## Applications

- Air conditioning systems (Hospitals, Laboratories, Museums)
- Industrial processes (Pharmaceutical, Food, Microelectronics)

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| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

### ► 95% @ 0.3µm-85% @ MPPS

|                      |    |    |      |       |       |       |        |      |     |
|----------------------|----|----|------|-------|-------|-------|--------|------|-----|
| HFH-305/305/292-10GD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 60.00  | 600  | 1.0 |
| HFH-305/610/292-10GD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 120.00 | 1200 | 1.0 |
| HFH-457/610/292-10GD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 180.00 | 1850 | 1.0 |
| HFH-610/610/292-10GD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 241.00 | 2400 | 1.0 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                      |    |    |      |       |       |       |        |      |     |
|----------------------|----|----|------|-------|-------|-------|--------|------|-----|
| HFH-305/305/292-13GD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 60.00  | 350  | 1.0 |
| HFH-305/610/292-13GD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 120.00 | 700  | 1.0 |
| HFH-457/610/292-13GD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 180.00 | 1000 | 1.0 |
| HFH-610/610/292-13GD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 241.00 | 1400 | 1.0 |

### ► 99.999% @ 0.3µm-99.995% @ MPPS

|                      |    |    |      |       |       |       |        |      |     |
|----------------------|----|----|------|-------|-------|-------|--------|------|-----|
| HFH-305/305/292-14GD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 60.00  | 320  | 1.0 |
| HFH-305/610/292-14GD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 120.00 | 640  | 1.0 |
| HFH-457/610/292-14GD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 180.00 | 950  | 1.0 |
| HFH-610/610/292-14GD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 241.00 | 1280 | 1.0 |

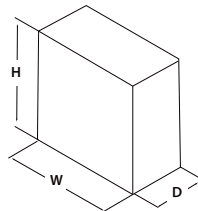
# HFX SERIES MDF 11.5" DEEP FRAME

HEPA & ULPA FILTERS

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Media                 | Microglass Fiber                                    |
| Frame                 | MDF                                                 |
| Final Pressure Drop   | 2.4" w.g.                                           |
| Operating Temperature | 176°F                                               |
| Filter Efficiency     | 95% @ 0.3μm - 99.999% @ 0.3μm                       |
| Gasket                | Flat Neoprene or Half Round<br>Endless Polyurethane |
| Protection Grids      | Optional                                            |
| Separators            | Hotmelt                                             |

## Applications

- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)



| Part Number | Nominal Size     |                 |                 | Actual Size      |                 |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) | Height<br>(inch) | Width<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3μm-85% @ MPPS

|                      |    |    |      |       |       |       |        |      |      |
|----------------------|----|----|------|-------|-------|-------|--------|------|------|
| HFX-305/305/292-10PD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 66.00  | 500  | 0.68 |
| HFX-305/610/292-10PD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 134.00 | 1000 | 0.68 |
| HFX-457/610/292-10PD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 200.00 | 1500 | 0.68 |
| HFX-610/610/292-10PD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 269.00 | 2000 | 0.68 |

### ► 99.99% @ 0.3μm-99.95% @ MPPS

|                      |    |    |      |       |       |       |        |      |      |
|----------------------|----|----|------|-------|-------|-------|--------|------|------|
| HFX-305/305/292-13PD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 66.00  | 500  | 1.26 |
| HFX-305/610/292-13PD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 134.00 | 1000 | 1.26 |
| HFX-457/610/292-13PD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 200.00 | 1500 | 1.26 |
| HFX-610/610/292-13PD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 269.00 | 2000 | 1.26 |

### ► 99.999% @ 0.3μm-99.995% @ MPPS

|                      |    |    |      |       |       |       |        |      |      |
|----------------------|----|----|------|-------|-------|-------|--------|------|------|
| HFX-305/305/292-14PD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 66.00  | 500  | 1.50 |
| HFX-305/610/292-14PD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 134.00 | 1000 | 1.50 |
| HFX-457/610/292-14PD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 200.00 | 1500 | 1.50 |
| HFX-610/610/292-14PD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 269.00 | 2000 | 1.50 |

# HFX SERIES SHEET METAL 11.5" DEEP FRAME

HEPA & ULPA FILTERS

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Media                 | Microglass Fiber                                 |
| Frame                 | Galvanized Steel, Aluminium, Stainless Steel     |
| Final Pressure Drop   | 2.4" w.g.                                        |
| Operating Temperature | 176°F                                            |
| Filter Efficiency     | 95% @ 0.3µm - 99.999% @ 0.3µm                    |
| Gasket                | Flat Neoprene or Half Round Endless Polyurethane |
| Protection Grids      | Powder Coated Metal on Both Sides                |
| Separators            | Hotmelt                                          |

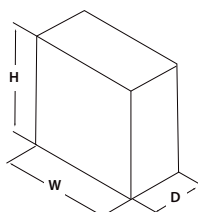


## Applications

- Air conditioning systems (Hospitals, Laboratories, Museums)
- Industrial processes (Pharmaceutical, Food, Microelectronics)



**AIR FILTER UNIT  
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| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

### ► 95% @ 0.3µm-85% @ MPPS

|                      |    |    |      |       |       |       |        |      |      |
|----------------------|----|----|------|-------|-------|-------|--------|------|------|
| HFX-305/305/292-10GD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 66.00  | 500  | 0.68 |
| HFX-305/610/292-10GD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 134.00 | 1000 | 0.68 |
| HFX-457/610/292-10GD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 200.00 | 1500 | 0.68 |
| HFX-610/610/292-10GD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 269.00 | 2000 | 0.68 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                      |    |    |      |       |       |       |        |      |      |
|----------------------|----|----|------|-------|-------|-------|--------|------|------|
| HFX-305/305/292-13GD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 66.00  | 500  | 1.26 |
| HFX-305/610/292-13GD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 134.00 | 1000 | 1.26 |
| HFX-457/610/292-13GD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 200.00 | 1500 | 1.26 |
| HFX-610/610/292-13GD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 269.00 | 2000 | 1.26 |

### ► 99.999% @ 0.3µm-99.995% @ MPPS

|                      |    |    |      |       |       |       |        |      |      |
|----------------------|----|----|------|-------|-------|-------|--------|------|------|
| HFX-305/305/292-14GD | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 66.00  | 500  | 1.50 |
| HFX-305/610/292-14GD | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 134.00 | 1000 | 1.50 |
| HFX-457/610/292-14GD | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 200.00 | 1500 | 1.50 |
| HFX-610/610/292-14GD | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 269.00 | 2000 | 1.50 |

# MV HEPA SERIES PLASTIC 11.5" DEEP FRAME

HEPA & ULPA FILTERS

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Media                 | Microglass Fiber                                    |
| Frame                 | Plastic (PS)                                        |
| Final Pressure Drop   | 2.4" w.g.                                           |
| Operating Temperature | 176°F                                               |
| Filter Efficiency     | 95% @ 0.3μm - 99.99% @ 0.3μm                        |
| Gasket                | Flat Neoprene or Half Round<br>Endless Polyurethane |
| Protection Grids      | Optional                                            |
| Separators            | Hotmelt                                             |

## Applications

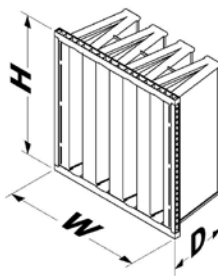
- Air conditioning systems  
(Hospitals, Laboratories, Museums)
- Industrial processes  
(Pharmaceutical, Food, Microelectronics)

## Advantages

- Incinerable
- Rigid frame



**AIR FILTER UNIT  
AS TO FLAMMABILITY ONLY  
R39025**



| Part Number | Nominal Size    |                  |                 | Actual Size     |                  |                 | Media Area<br>(sq.ft) | Air Flow<br>(cfm) | Pressure Drop<br>(inches w. g.) |
|-------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------------|-------------------|---------------------------------|
|             | Width<br>(inch) | Height<br>(inch) | Depth<br>(inch) | Width<br>(inch) | Height<br>(inch) | Depth<br>(inch) |                       |                   |                                 |

### ► 95% @ 0.3μm-85% @ MPPS

|           |    |    |    |       |       |       |        |      |      |
|-----------|----|----|----|-------|-------|-------|--------|------|------|
| MV-H10-01 | 12 | 24 | 12 | 11.50 | 23.30 | 11.50 | 100.00 | 1000 | 0.55 |
| MV-H10-02 | 20 | 24 | 12 | 19.37 | 23.30 | 11.50 | 160.00 | 1650 | 0.55 |
| MV-H10-03 | 24 | 24 | 12 | 23.30 | 23.30 | 11.50 | 200.00 | 2000 | 0.55 |

### ► 99.99% @ 0.3μm-99.95% @ MPPS

|           |    |    |    |       |       |       |        |      |      |
|-----------|----|----|----|-------|-------|-------|--------|------|------|
| MV-H13-01 | 12 | 24 | 12 | 11.50 | 23.30 | 11.50 | 100.00 | 1000 | 1.54 |
| MV-H13-02 | 20 | 24 | 12 | 19.37 | 23.30 | 11.50 | 160.00 | 1650 | 1.54 |
| MV-H13-03 | 24 | 24 | 12 | 23.30 | 23.30 | 11.50 | 200.00 | 2000 | 1.54 |

# MVH SERIES PLASTIC MAX. FLOW 11.5" DEEP FRAME

HEPA & ULPA FILTERS

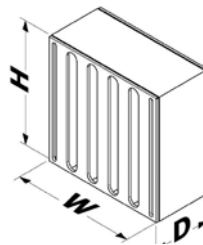
|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Media                 | Microglass Fiber                                    |
| Frame                 | ABS                                                 |
| Final Pressure Drop   | 2.4" w.g.                                           |
| Operating Temperature | 176°F                                               |
| Filter Efficiency     | 95% @ 0.3µm - 99.999% @ 0.3µm                       |
| Gasket                | Flat Neoprene or Half Round<br>Endless Polyurethane |
| Protection Grids      | Optional                                            |
| Separators            | Hotmelt                                             |

## Applications

- Air conditioning systems (Hospitals, Laboratories, Museums)
- Industrial processes (Pharmaceutical, Food, Microelectronics)
- High Flow Applications

## Advantages

- Incinerable
- Light frame



| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

### ► 95% @ 0.3µm-85% @ MPPS

|                            |    |    |      |       |       |       |        |      |     |
|----------------------------|----|----|------|-------|-------|-------|--------|------|-----|
| MVH-305/610/292-10PKD-20M2 | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 215.00 | 1600 | 1.0 |
| MVH-610/610/292-10PKD-40M2 | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 430.00 | 3200 | 1.0 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                            |    |    |      |       |       |       |        |      |     |
|----------------------------|----|----|------|-------|-------|-------|--------|------|-----|
| MVH-305/610/292-13PKD-20M2 | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 215.00 | 1200 | 1.0 |
| MVH-610/610/292-13PKD-40M2 | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 430.00 | 2400 | 1.0 |

### ► 99.999% @ 0.3µm-99.995% @ MPPS

|                            |    |    |      |       |       |       |        |      |     |
|----------------------------|----|----|------|-------|-------|-------|--------|------|-----|
| MVH-305/610/292-14PKD-20M2 | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 215.00 | 900  | 1.0 |
| MVH-610/610/292-14PKD-40M2 | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 430.00 | 1800 | 1.0 |

# MVH SERIES METAL MAX. FLOW 11.5" DEEP FRAME

HEPA & ULPA FILTERS

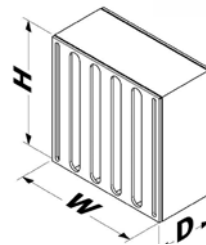
|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Media                 | Microglass Fiber                                 |
| Frame                 | Galvanized Steel, Aluminium, Stainless Steel     |
| Final Pressure Drop   | 2.4" w.g.                                        |
| Operating Temperature | 176°F                                            |
| Filter Efficiency     | 95% @ 0.3µm - 99.999% @ 0.3µm                    |
| Gasket                | Flat Neoprene or Half Round Endless Polyurethane |
| Protection Grids      | Optional                                         |
| Separators            | Hotmelt                                          |

## Applications

- Air conditioning systems (Hospitals, Laboratories, Museums)
- Industrial processes (Pharmaceutical, Food, Microelectronics)
- High flow applications

## Advantages

- Strong frame



**CLASSIFIED**  
**UL**  
**AIR FILTER UNIT**  
**AS TO FLAMMABILITY ONLY**  
**R39025**

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

### ► 95% @ 0.3µm-85% @ MPPS

|                           |    |    |      |       |       |       |        |      |     |
|---------------------------|----|----|------|-------|-------|-------|--------|------|-----|
| MVH-305/305/292-10GD-10M2 | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 108.00 | 800  | 1.0 |
| MVH-305/610/292-10GD-20M2 | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 215.00 | 1600 | 1.0 |
| MVH-457/610/292-10GD-30M2 | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 320.00 | 2400 | 1.0 |
| MVH-610/610/292-10GD-40M2 | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 430.00 | 3200 | 1.0 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                           |    |    |      |       |       |       |        |      |     |
|---------------------------|----|----|------|-------|-------|-------|--------|------|-----|
| MVH-305/305/292-13GD-10M2 | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 108.00 | 600  | 1.0 |
| MVH-305/610/292-13GD-20M2 | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 215.00 | 1200 | 1.0 |
| MVH-457/610/292-13GD-30M2 | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 320.00 | 1750 | 1.0 |
| MVH-610/610/292-13GD-40M2 | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 430.00 | 2400 | 1.0 |

### ► 99.999% @ 0.3µm-99.995% @ MPPS

|                           |    |    |      |       |       |       |        |      |     |
|---------------------------|----|----|------|-------|-------|-------|--------|------|-----|
| MVH-305/305/292-14GD-10M2 | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 108.00 | 450  | 1.0 |
| MVH-305/610/292-14GD-20M2 | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 215.00 | 900  | 1.0 |
| MVH-457/610/292-14GD-30M2 | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 320.00 | 1400 | 1.0 |
| MVH-610/610/292-14GD-40M2 | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 430.00 | 1800 | 1.0 |

# MVH SERIES GEL SEAL 11.5" DEEP FRAME

HEPA & ULPA FILTERS

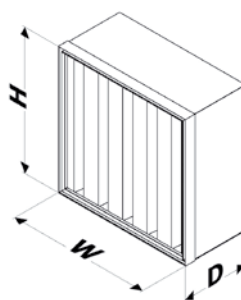
|                       |                                              |
|-----------------------|----------------------------------------------|
| Media                 | Microglass Fiber                             |
| Frame                 | Galvanized Steel, Aluminium, Stainless Steel |
| Final Pressure Drop   | 2.4" w.g.                                    |
| Operating Temperature | 176°F                                        |
| Filter Efficiency     | 95% @ 0.3µm - 99.999% @ 0.3µm                |
| Gasket                | Gel                                          |
| Protection Grids      | Optional                                     |
| Separators            | Hotmelt                                      |

## Applications

- Air conditioning systems (Hospitals, Laboratories, Museums)
- Industrial processes (Pharmaceutical, Food, Microelectronics)

## Advantages

- Strong frame
- High flow applications



| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

### ► 95% @ 0.3µm-85% @ MPPS

|                      |    |    |      |       |       |       |        |      |      |
|----------------------|----|----|------|-------|-------|-------|--------|------|------|
| MVH-305/305/292-10GJ | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 86.00  | 500  | 0.60 |
| MVH-305/610/292-10GJ | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 172.00 | 1000 | 0.60 |
| MVH-457/610/292-10GJ | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 258.00 | 1500 | 0.60 |
| MVH-610/610/292-10GJ | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 344.00 | 2000 | 0.60 |

### ► 99.99% @ 0.3µm-99.95% @ MPPS

|                      |    |    |      |       |       |       |        |      |     |
|----------------------|----|----|------|-------|-------|-------|--------|------|-----|
| MVH-305/305/292-13GJ | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 86.00  | 500  | 1.0 |
| MVH-305/610/292-13GJ | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 172.00 | 1000 | 1.0 |
| MVH-457/610/292-13GJ | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 258.00 | 1500 | 1.0 |
| MVH-610/610/292-13GJ | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 344.00 | 2000 | 1.0 |

### ► 99.999% @ 0.3µm-99.995% @ MPPS

|                      |    |    |      |       |       |       |        |      |      |
|----------------------|----|----|------|-------|-------|-------|--------|------|------|
| MVH-305/305/292-14GJ | 12 | 12 | 11.5 | 12.00 | 12.00 | 11.49 | 86.00  | 500  | 1.24 |
| MVH-305/610/292-14GJ | 12 | 24 | 11.5 | 12.00 | 24.01 | 11.49 | 172.00 | 1000 | 1.24 |
| MVH-457/610/292-14GJ | 18 | 24 | 11.5 | 17.99 | 24.01 | 11.49 | 258.00 | 1500 | 1.24 |
| MVH-610/610/292-14GJ | 24 | 24 | 11.5 | 24.01 | 24.01 | 11.49 | 344.00 | 2000 | 1.24 |

# MHH SERIES MICRO HOOD FILTER 5" DEEP FRAME

HEPA & ULPA FILTERS

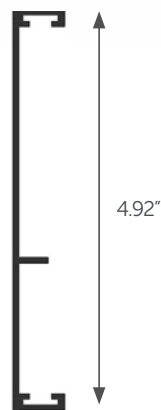
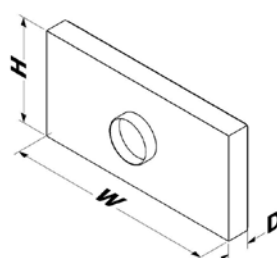
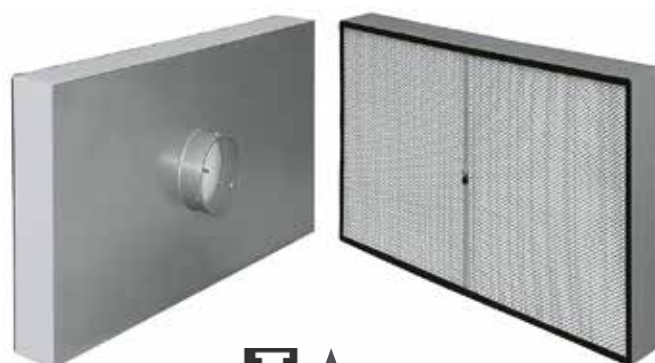
|                       |                                    |
|-----------------------|------------------------------------|
| Media                 | Microglass Fiber                   |
| Frame                 | Extruded Anodized Aluminium        |
| Final Pressure Drop   | 2.4" w.g.                          |
| Operating Temperature | 176°F                              |
| Filter Efficiency     | 99.95% @ MPPS - 99.9995% @ MPPS    |
| Collar Dimensions     | 5.9", 7.87", 9.84", 11.81", 15.74" |
| Collar Height         | 2.56"                              |
| Protection Grids      | Powder Coated Metal on Both Sides  |
| Separators            | Hotmelt                            |

## Applications

- Cleanroom applications
- Laminar flow cabins

## Advantages

- Adjustable air flow



4.92" Aluminium Profile View

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

## ► 99.99% @ 0.3µm-99.95% @ MPPS

|                                   |    |    |   |       |       |      |        |     |      |
|-----------------------------------|----|----|---|-------|-------|------|--------|-----|------|
| MHH-610/610/125-B300-13APD1G-NEB  | 24 | 24 | 5 | 24.00 | 24.00 | 4.92 | 112.00 | 350 | 0.50 |
| MHH-610/915/125-B300-13APD1G-NEB  | 24 | 36 | 5 | 24.00 | 36.00 | 4.92 | 168.00 | 530 | 0.50 |
| MHH-610/1220/125-B300-13APD1G-NEB | 24 | 48 | 5 | 24.00 | 48.00 | 4.92 | 224.00 | 700 | 0.50 |

## ► 99.999% @ 0.3µm-99.995% @ MPPS

|                                   |    |    |   |       |       |      |        |     |      |
|-----------------------------------|----|----|---|-------|-------|------|--------|-----|------|
| MHH-610/610/125-B300-14APD1G-NEB  | 24 | 24 | 5 | 24.00 | 24.00 | 4.92 | 112.00 | 350 | 0.54 |
| MHH-610/915/125-B300-14APD1G-NEB  | 24 | 36 | 5 | 24.00 | 36.00 | 4.92 | 168.00 | 530 | 0.54 |
| MHH-610/1220/125-B300-14APD1G-NEB | 24 | 48 | 5 | 24.00 | 48.00 | 4.92 | 224.00 | 700 | 0.54 |

## ► 99.9999% @ 0.3µm-99.9995% @ MPPS

|                                   |    |    |   |       |       |      |        |     |      |
|-----------------------------------|----|----|---|-------|-------|------|--------|-----|------|
| MHH-610/610/125-B300-15APD1G-NEB  | 24 | 24 | 5 | 24.00 | 24.00 | 4.92 | 112.00 | 350 | 0.62 |
| MHH-610/915/125-B300-15APD1G-NEB  | 24 | 36 | 5 | 24.00 | 36.00 | 4.92 | 168.00 | 530 | 0.62 |
| MHH-610/1220/125-B300-15APD1G-NEB | 24 | 48 | 5 | 24.00 | 48.00 | 4.92 | 224.00 | 700 | 0.62 |

# MHH SERIES MICRO HOOD FILTER 6" DEEP FRAME

HEPA & ULPA FILTERS

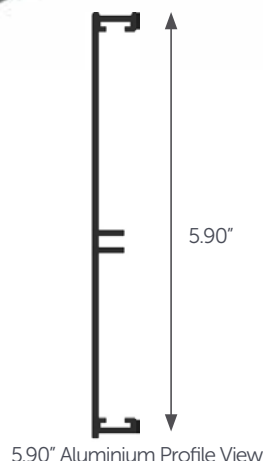
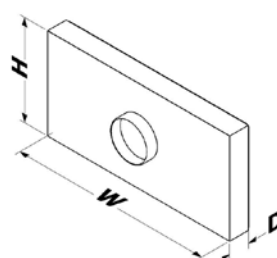
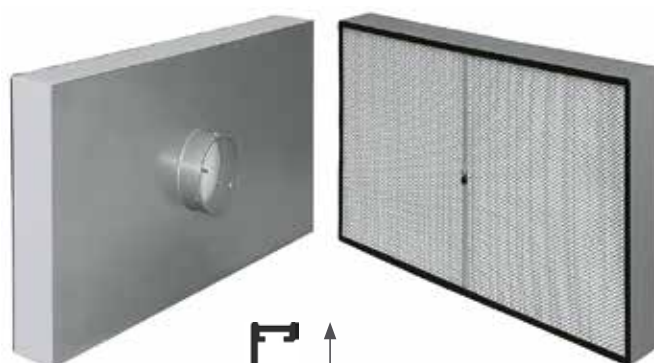
|                       |                                    |
|-----------------------|------------------------------------|
| Media                 | Microglass Fiber                   |
| Frame                 | Extruded Anodized Aluminium        |
| Final Pressure Drop   | 2.4" w.g.                          |
| Operating Temperature | 176°F                              |
| Filter Efficiency     | 99.95% @ MPPS - 99.9995% @ MPPS    |
| Collar Dimensions     | 5.9", 7.87", 9.84", 11.81", 15.74" |
| Collar Height         | 2.56"                              |
| Protection Grids      | Powder Coated Metal on Both Sides  |
| Separators            | Hotmelt                            |

## Applications

- Cleanroom applications
- Laminar flow cabins

## Advantages

- Adjustable air flow



5.90" Aluminium Profile View

| Part Number | Nominal Size  |              |              | Actual Size   |              |              | Media Area (sq.ft) | Air Flow (cfm) | Pressure Drop (inches w. g.) |
|-------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------------|----------------|------------------------------|
|             | Height (inch) | Width (inch) | Depth (inch) | Height (inch) | Width (inch) | Depth (inch) |                    |                |                              |

## ► 99.99% @ 0.3µm-99.95% @ MPPS

|                                   |    |    |   |       |       |      |        |     |      |
|-----------------------------------|----|----|---|-------|-------|------|--------|-----|------|
| MHH-610/610/150-B300-13APD1G-NEB  | 24 | 24 | 6 | 24.00 | 24.00 | 5.90 | 112.00 | 350 | 0.50 |
| MHH-610/915/150-B300-13APD1G-NEB  | 24 | 36 | 6 | 24.00 | 36.00 | 5.90 | 168.00 | 530 | 0.50 |
| MHH-610/1220/150-B300-13APD1G-NEB | 24 | 48 | 6 | 24.00 | 48.00 | 5.90 | 224.00 | 700 | 0.50 |

## ► 99.999% @ 0.3µm-99.995% @ MPPS

|                                   |    |    |   |       |       |      |        |     |      |
|-----------------------------------|----|----|---|-------|-------|------|--------|-----|------|
| MHH-610/610/150-B300-14APD1G-NEB  | 24 | 24 | 6 | 24.00 | 24.00 | 5.90 | 112.00 | 350 | 0.54 |
| MHH-610/915/150-B300-14APD1G-NEB  | 24 | 36 | 6 | 24.00 | 36.00 | 5.90 | 168.00 | 530 | 0.54 |
| MHH-610/1220/150-B300-14APD1G-NEB | 24 | 48 | 6 | 24.00 | 48.00 | 5.90 | 224.00 | 700 | 0.54 |

## ► 99.9999% @ 0.3µm-99.9995% @ MPPS

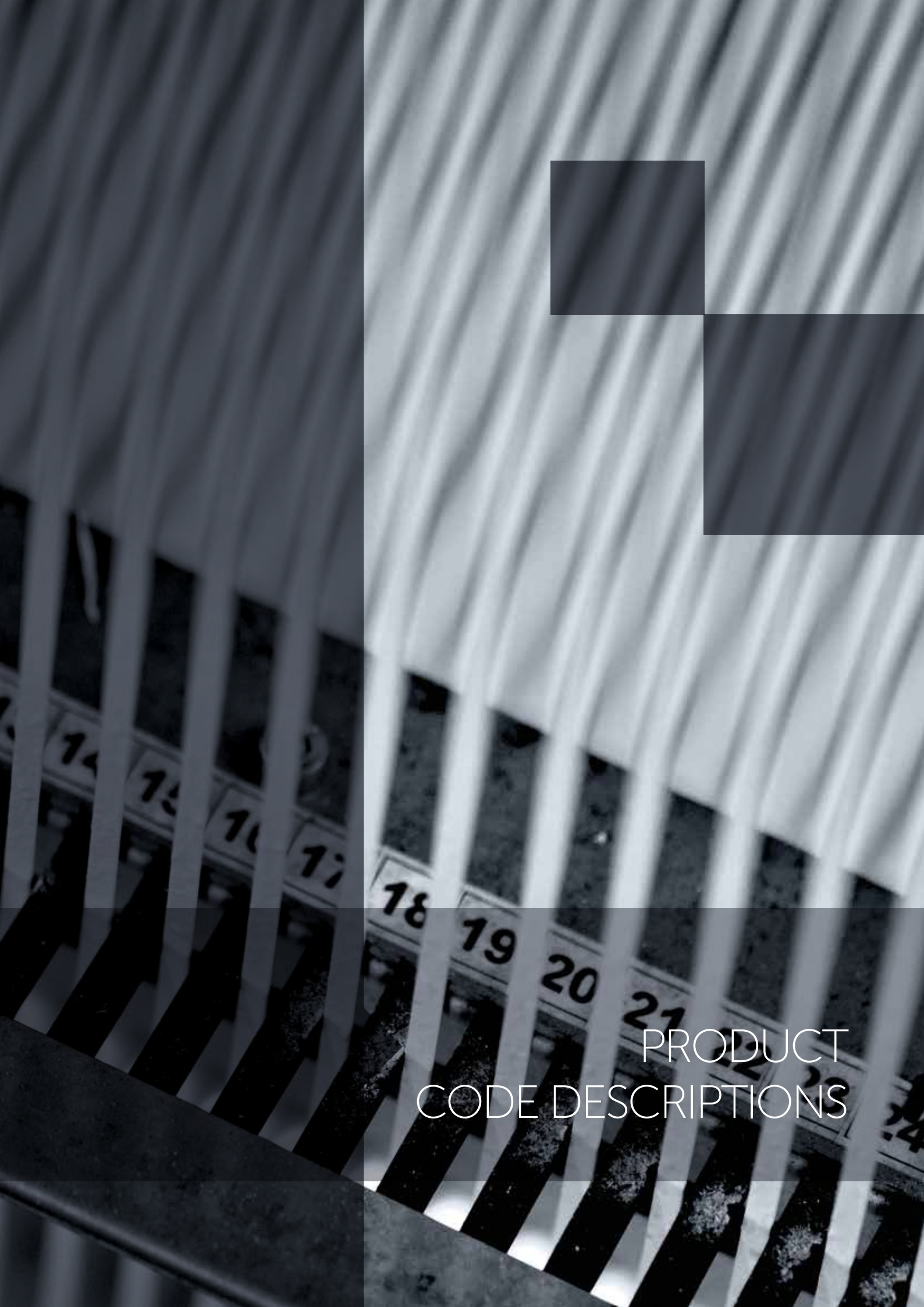
|                                   |    |    |   |       |       |      |        |     |      |
|-----------------------------------|----|----|---|-------|-------|------|--------|-----|------|
| MHH-610/610/150-B300-15APD1G-NEB  | 24 | 24 | 6 | 24.00 | 24.00 | 5.90 | 112.00 | 350 | 0.62 |
| MHH-610/915/150-B300-15APD1G-NEB  | 24 | 36 | 6 | 24.00 | 36.00 | 5.90 | 168.00 | 530 | 0.62 |
| MHH-610/1220/150-B300-15APD1G-NEB | 24 | 48 | 6 | 24.00 | 48.00 | 5.90 | 224.00 | 700 | 0.62 |



# 07

## PRODUCT CODE DESCRIPTIONS

|                  |     |
|------------------|-----|
| MPM SERIES       | 112 |
| MPP SERIES       | 112 |
| MGP SERIES       | 112 |
| MSKPN SERIES     | 113 |
| MSKP SERIES      | 114 |
| MSKP MESH SERIES | 114 |
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| MPR SERIES       | 115 |
| MPF SERIES       | 116 |
| MPHT SERIES      | 116 |
| MC SERIES        | 117 |
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| MAS-MASHT SERIES | 118 |
| V FILTER SERIES  | 119 |
| HEPA SERIES      | 120 |
| HEPA HOOD SERIES | 121 |
| MVH SERIES       | 122 |

A black and white photograph of a computer keyboard, viewed from a slightly elevated angle. The keys are visible, with some numbers like 14, 15, 16, 17, 18, 19, 20, 21, 22, and 23 clearly legible. A large, dark, semi-transparent crosshair is centered over the keyboard, consisting of a vertical bar and a horizontal bar that intersect. The text 'PRODUCT CODE DESCRIPTIONS' is overlaid in white, sans-serif capital letters on the lower right portion of the image, partially overlapping the keyboard and the crosshair.

# PRODUCT CODE DESCRIPTIONS

## ▶ **MPM SERIES**

PRODUCT CODE DESCRIPTIONS ◀



## ▶ **MPP SERIES**



## ▶ **MGP SERIES**



## ▶ **MSKPN SERIES**

PRODUCT CODE DESCRIPTIONS ◀

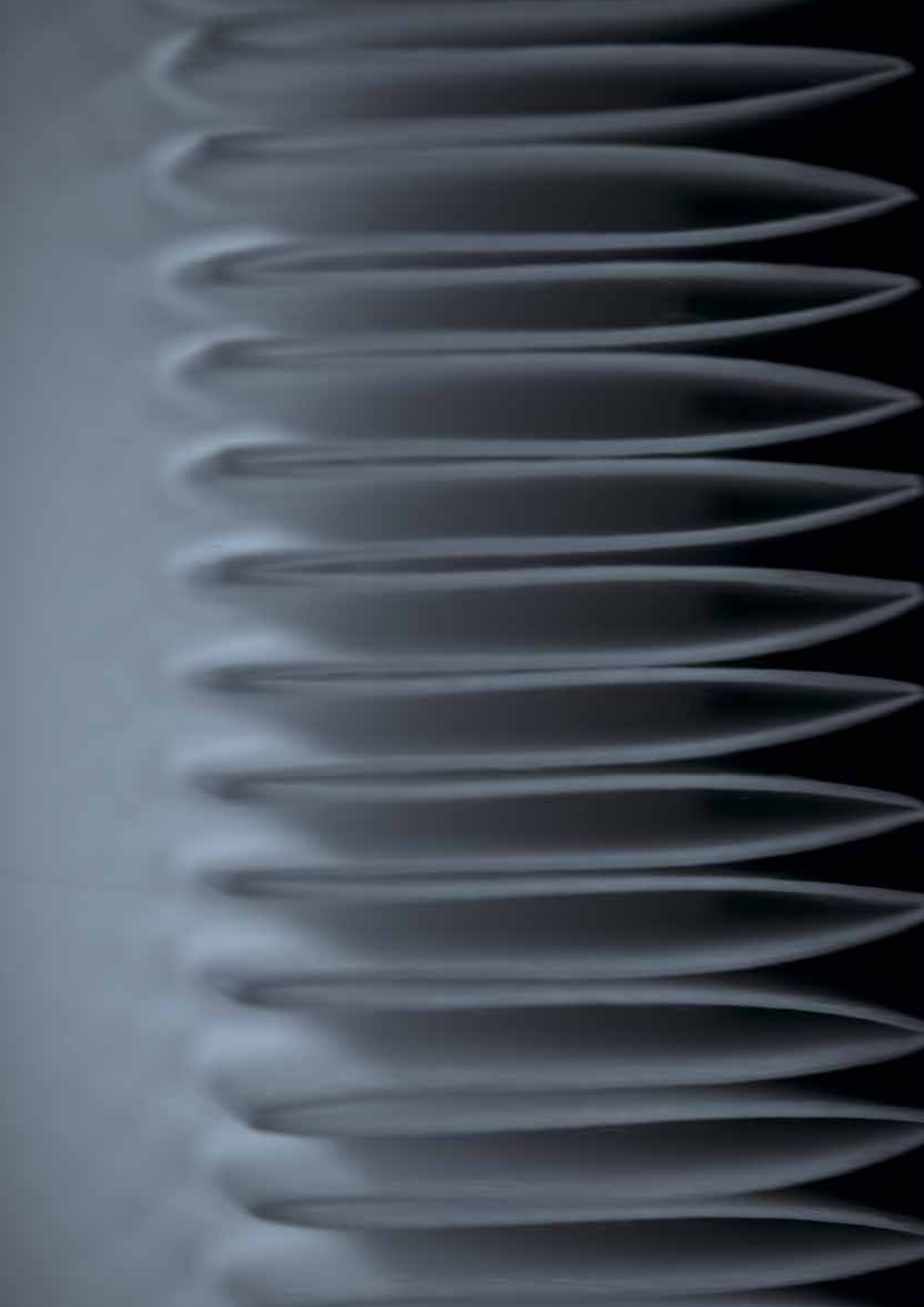


## ▶ **MSKP SERIES**



## ▶ **MSKP MESH SERIES**





| Type       | Efficiency | Number of Pockets | Depth (mm) | Frame Dims.    | Frame    | Gasket   | Header     |
|------------|------------|-------------------|------------|----------------|----------|----------|------------|
| <b>MPS</b> | <b>6</b>   | <b>8</b>          | <b>600</b> | <b>592/592</b> | <b>G</b> | <b>N</b> | <b>H22</b> |
| MPS        | 3          | 3                 | *          | *              | G        | N        | H22        |
| MPG        | 4          | 4                 |            |                | PK       | BD       | H23        |
|            | 5          | 5                 |            |                |          | BU       |            |
|            | 6          | 6                 |            |                |          | BS       |            |
|            | 7          | 7                 |            |                |          | LSG      |            |
|            | 8          | 8                 |            |                |          |          |            |
|            | 9          | 9                 |            |                |          |          |            |
|            |            | 10                |            |                |          |          |            |
|            |            | 11                |            |                |          |          |            |
|            |            | 12                |            |                |          |          |            |

**Note 1:** All dimensions are in mm

**Note 2:** Pocket depths are available  $150 \leq \text{Depth} \leq 915$  mm

\* Customized

| Type | Description       |
|------|-------------------|
| MPS  | Synthetic filter  |
| MPG  | Glassfiber filter |

| Gasket | Location         | Description      |
|--------|------------------|------------------|
| N      | No gasket        | -                |
| BD     | Down stream      | EPDM flat gasket |
| BU     | Up stream        | EPDM flat gasket |
| BS     | Both side        | EPDM flat gasket |
| LSG    | Left side gasket | EPDM flat gasket |


**MPR SERIES**

| Type       | Efficiency | Number of Pockets | Depth (mm) | Frame Dims.    | Frame     | Gasket   | Header     |
|------------|------------|-------------------|------------|----------------|-----------|----------|------------|
| <b>MPR</b> | <b>6</b>   | <b>8</b>          | <b>600</b> | <b>592/592</b> | <b>PK</b> | <b>N</b> | <b>H23</b> |
|            | 4          | 3                 | *          | 287/592        |           | N        |            |
|            | 5          | 4                 |            | 592/592        |           | BD       |            |
|            | 6          | 6                 |            |                |           | BU       |            |
|            |            | 8                 |            |                |           |          |            |
|            |            |                   |            |                |           | BS       |            |
|            |            |                   |            |                |           | LSG      |            |

| Type       | Efficiency | Number of Pockets | Depth (mm) | Frame Dims.    | Frame    | Gasket   | Header     |
|------------|------------|-------------------|------------|----------------|----------|----------|------------|
| <b>MPR</b> | <b>6</b>   | <b>8</b>          | <b>600</b> | <b>592/592</b> | <b>G</b> | <b>N</b> | <b>H22</b> |
|            | 4          | 3                 | *          | *              |          | N        |            |
|            | 5          | 4                 |            |                |          | BD       |            |
|            | 6          | 6                 |            |                |          | BU       |            |
|            |            | 8                 |            |                |          |          |            |
|            |            |                   |            |                |          | BS       |            |
|            |            |                   |            |                |          | LSG      |            |

| Gasket | Location         | Description      |
|--------|------------------|------------------|
| N      | No gasket        | -                |
| BD     | Down stream      | EPDM flat gasket |
| BU     | Up stream        | EPDM flat gasket |
| BS     | Both side        | EPDM flat gasket |
| LSG    | Left side gasket | EPDM flat gasket |

**Note 1:** All dimensions are in mm

**Note 2:** Pocket depths are available  $150 \leq \text{Depth} \leq 620$  mm

\* Customized

| Type | Width (mm) | Height (mm) | Depth (mm) | Efficiency | Frame | Gasket | Grid | Media Area | Handle |
|------|------------|-------------|------------|------------|-------|--------|------|------------|--------|
| MPF  | 592        | 592         | 48         | 6          | PK    | D      | 1G   | S          | NT     |
|      | *          | *           | **         | 5          | PK    | N      | NG   | S          | NT     |
|      |            |             | ***        | 6          | G     | D      | 1G   | *          | T      |
|      |            |             |            | 7          | A     | U      | 2G   |            | 2T     |
|      |            |             |            | 8          | S     | S      |      |            |        |
|      |            |             |            | 9          | P     | BD     |      |            |        |
|      |            |             |            |            | K     | BU     |      |            |        |
|      |            |             |            |            | AP    | BS     |      |            |        |

**Note:** All dimensions are in mm

\* Customized

\*\* Plastic frame is available for 48, 96 and 150 mm depths

\*\*\* Depth ≥ 23 mm

| Frame | Description       |
|-------|-------------------|
| PK    | Plastic           |
| G     | Galvanized        |
| A     | Aluminium         |
| S     | Stainless steel   |
| P     | MDF               |
| K     | Cardboard         |
| AP    | Aluminium profile |

| Media Area | Description |
|------------|-------------|
| S          | Standard    |
| *          | Customized  |

| Gasket | Location    | Type                         |
|--------|-------------|------------------------------|
| N      | No gasket   | -                            |
| D      | Down stream | Half Round Endless PU gasket |
| U      | Up stream   | Half Round Endless PU gasket |
| S      | Both side   | Half Round Endless PU gasket |
| BD     | Down stream | EPDM flat gasket             |
| BU     | Up stream   | EPDM flat gasket             |
| BS     | Both side   | EPDM flat gasket             |

| Grid | Location    | Handle | Description         |
|------|-------------|--------|---------------------|
| NG   | No grid     | NT     | No handle           |
| 1G   | Down stream | T      | Handle on one side  |
| 2G   | Both side   | 2T     | Handle on both side |

# MPHT SERIES

| Type | Width (mm) | Height (mm) | Depth (mm) | Efficiency | Frame | Gasket | Grid | Handle |
|------|------------|-------------|------------|------------|-------|--------|------|--------|
| MPHT | 610        | 610         | 78         | 6          | AP    | HD     | 2G   | NT     |
|      | *          | *           | 30         | 6          | AP    | N      |      | T      |
|      |            |             | 38         | 7          | G     | HD     |      | NT     |
|      |            |             | 40         | 8          | S     | HU     |      |        |
|      |            |             | 47         | 9          | A     | HS     |      |        |
|      |            |             | 55         | 10         |       |        |      |        |
|      |            |             | 78         |            |       |        |      |        |
|      |            |             | *          |            |       |        |      |        |

| Frame | Description       |
|-------|-------------------|
| AP    | Aluminium profile |
| G     | Galvanized        |
| S     | Stainless steel   |
| A     | Aluminium sheet   |

| Handle | Description |
|--------|-------------|
| NT     | No handle   |
| T      | Handle      |

**Note:** All dimensions are in mm

\* Customized: Available for G and S frame types

| Gasket | Location    | Description |
|--------|-------------|-------------|
| N      | No gasket   | -           |
| HD     | Down stream | HT gasket   |
| HU     | Up stream   | HT gasket   |
| HS     | Both side   | HT gasket   |

| Type | Width (mm) | Height (mm) | Depth (mm) | Efficiency | Frame | Gasket | Grid | Media Area | Header | Handle |
|------|------------|-------------|------------|------------|-------|--------|------|------------|--------|--------|
| MCH  | 592        | 592         | 130        | 6          | PK    | D      | 2G   | S          | H25    | NT     |
| MCH  | *          | *           | **         | 6          | PK    | N      | NG   | S          | H25    | NT     |
| MCL  |            |             |            | 7          | G     | D      | 1G   | *          | H20    | T      |
|      |            |             |            | 8          |       | U      | 2G   |            |        | 2T     |
|      |            |             |            | 9          | A     | S      |      |            |        |        |
|      |            |             |            |            |       | BD     |      |            |        |        |
|      |            |             |            |            |       | BU     |      |            |        |        |
|      |            |             |            |            |       | BS     |      |            |        |        |

**Note:** All dimensions are in mm

\* Customized

\*\* 130 mm for Plastic Frame

| Type | Description          |
|------|----------------------|
| MCH  | Pleat height: 110 mm |
| MCL  | Pleat height: 60 mm  |

| Frame | Description     |
|-------|-----------------|
| PK    | Plastic         |
| G     | Galvanized      |
| A     | Aluminium sheet |

| Media Area | Description |
|------------|-------------|
| S          | Standard    |
| *          | Customized  |

| Gasket | Location    | Description                  |
|--------|-------------|------------------------------|
| N      | No gasket   | -                            |
| D      | Down stream | Half Round Endless PU gasket |
| U      | Up stream   | Half Round Endless PU gasket |
| S      | Both side   | Half Round Endless PU gasket |
| BD     | Down stream | EPDM flat gasket             |
| BU     | Up stream   | EPDM flat gasket             |
| BS     | Both side   | EPDM flat gasket             |

| Grid | Location    | Handle | Description         |
|------|-------------|--------|---------------------|
| NG   | No grid     | NT     | No handle           |
| 1G   | Down stream | T      | Handle on one side  |
| 2G   | Both side   | 2T     | Handle on both side |

## MV4HT SERIES

| Type  | Width (mm) | Height (mm) | Depth (mm) | Efficiency | Frame | Gasket | Grid | Media Area | Header |
|-------|------------|-------------|------------|------------|-------|--------|------|------------|--------|
| MV4HT | 610        | 610         | 292        | 6          | G     | HD     | 2G   | S          | 1H22   |
|       | 305        | 610         | 292        | 6          | G     | N      |      |            | NH     |
|       | 610        | 610         | 400        | 7          | S     | HD     |      |            | 1H22   |
|       | 287        | 592         |            | 8          |       | HU     |      |            |        |
|       | 592        | 592         |            | 9          |       | HS     |      |            |        |

| Frame | Description     |
|-------|-----------------|
| G     | Galvanized      |
| S     | Stainless steel |

| Media Area | Description |
|------------|-------------|
| S          | Standard    |

**Note:** All dimensions are in mm

| Gasket | Location    | Description |
|--------|-------------|-------------|
| N      | No gasket   | -           |
| HD     | Down stream | HT gasket   |
| HU     | Up stream   | HT gasket   |
| HS     | Both        | HT gasket   |

| Type  | Width (mm) | Height (mm) | Depth (mm) | Efficiency | Frame | Gasket | Grid | Media Area | Header | Handle |
|-------|------------|-------------|------------|------------|-------|--------|------|------------|--------|--------|
| MAS   | 610        | 610         | 292        | 6          | G     | D      | 2G   | S          | 1H25   | NT     |
| MAS   | *          | *           | *          | 6          | G     | N      | NG   | S          | 1H20   | NT     |
| MASHT |            |             |            | 7          | A     | D      | 1G   | *          | 2H20   | T      |
|       |            |             |            | 8          | S     | U      | 2G   |            | 1H25   | 2T     |
|       |            |             |            | 9          |       | S      |      |            | 2H25   |        |
|       |            |             |            |            |       | BD     |      |            |        |        |
|       |            |             |            |            |       | BU     |      |            |        |        |
|       |            |             |            |            |       | BS     |      |            |        |        |
|       |            |             |            |            |       | HD     |      |            |        |        |
|       |            |             |            |            |       | HU     |      |            |        |        |
|       |            |             |            |            |       | HS     |      |            |        |        |

**Note:** All dimensions are in mm

| Type  | Description      |
|-------|------------------|
| MAS   | Al. separator    |
| MASHT | HT Al. separator |

| Frame | Description     |
|-------|-----------------|
| G     | Galvanized      |
| A     | Aluminium       |
| S     | Stainless steel |

| Media Area | Description |
|------------|-------------|
| S          | Standard    |
| *          | Customized  |

| Header | Description          |
|--------|----------------------|
| 1H20   | Down/Up stream 20 mm |
| 2H20   | Both side 20 mm      |
| 1H25   | Down/Up stream 25 mm |
| 2H25   | Both side 25 mm      |

| Gasket | Location    | Type                               |
|--------|-------------|------------------------------------|
| N      | No gasket   | -                                  |
| D      | Down stream | Half Round Endless PU gasket (MAS) |
| U      | Up stream   | Half Round Endless PU gasket (MAS) |
| S      | Both side   | Half Round Endless PU gasket (MAS) |
| BD     | Down stream | EPDM flat gasket (MAS)             |
| BU     | Up stream   | EPDM flat gasket (MAS)             |
| BS     | Both side   | EPDM flat gasket (MAS)             |
| HD     | Down stream | High temperature gasket (MASHT)    |
| HU     | Up stream   | High temperature gasket (MASHT)    |
| HS     | Both side   | High temperature gasket (MASHT)    |

| Grid | Location    | Handle | Description         |
|------|-------------|--------|---------------------|
| NG   | No grid     | NT     | No handle           |
| 1G   | Down stream | T      | Handle on one side  |
| 2G   | Both side   | 2T     | Handle on both side |

| Depth | Description             |
|-------|-------------------------|
| *     | Customized 150 - 292 mm |

| Type of V Cell | Efficiency | Frame Code | Frame    | Media Area | Gasket   | Grid      | Fully Potted | Header     | Frame Color |
|----------------|------------|------------|----------|------------|----------|-----------|--------------|------------|-------------|
| <b>MV</b>      | <b>F7</b>  | <b>03</b>  | <b>A</b> | <b>S</b>   | <b>D</b> | <b>PG</b> | <b>Y</b>     | <b>H25</b> | <b>03</b>   |
| MV             | M5         | 01         | A        | S          | N        | NPG       | NY           | H20        |             |
| MVEE           | M6         | 02         | P        | *          | D        | PG        | Y            | H25        |             |
| MW             | F7         | 03         |          |            | U        | 2PG       |              |            |             |
| MVX            | F8         | 04         |          |            | S        | RPG       |              |            |             |
|                | F9         |            |          |            | BD       |           |              |            |             |
|                | E10        | 07         |          |            | BU       |           |              |            |             |
|                | E11        |            |          |            | BS       |           |              |            |             |
|                | E12        |            |          |            |          |           |              |            |             |
|                | H13        |            |          |            |          |           |              |            |             |
|                | H14        |            |          |            |          |           |              |            |             |

| Frame Code | Dims. (mm) |
|------------|------------|
| 01         | 287x592    |
| 02         | 492x592    |
| 03         | 592x592    |
| 04         | 402x592    |
| 07         | 492x492    |

| Media Area | Description |
|------------|-------------|
| S          | Standard    |
| *          | Customized  |

| Fully Potted | Description     |
|--------------|-----------------|
| NY           | No fully potted |
| Y            | Fully potted    |

| Frame | Description              |
|-------|--------------------------|
| A     | Plastic                  |
| P     | HT plastic (max. 120 °C) |

| Frame Color | Description |
|-------------|-------------|
| 03          | Grey        |

**Note:** All dimensions are in mm

| Gasket | Location    | Type                         |
|--------|-------------|------------------------------|
| N      | No gasket   | -                            |
| D      | Down stream | Half Round Endless PU gasket |
| U      | Up stream   | Half Round Endless PU gasket |
| S      | Both side   | Half Round Endless PU gasket |
| BD     | Down stream | EPDM gasket                  |
| BU     | Up stream   | EPDM gasket                  |
| BS     | Both side   | EPDM gasket                  |

| Grid | Location    | Description                    |
|------|-------------|--------------------------------|
| NPG  | No grid     | -                              |
| PG   | Down stream | 8 pcs on the cartridge         |
| 2PG  | Up stream   | 2 pcs on the outside cartridge |
| RPG  | Down stream | 8 pcs on the cartridge         |

| Header | Description |
|--------|-------------|
| H20    | 20 mm       |
| H25    | 25 mm       |

| Type | Width (mm) | Height (mm) | Depth (mm) | Efficiency | Frame | Gasket | Grid | Media Area | Handle |
|------|------------|-------------|------------|------------|-------|--------|------|------------|--------|
| HFN  | 610        | 610         | 78         | 14         | AP    | D      | 2G   | S          | NT     |
| HFM  | *          | *           | **         | 10         | AP    | N      | NG   | S          | T      |
| HFR  |            |             |            | 11         | G     | D      | 1G   | *          | NT     |
| HFN  |            |             |            | 12         | S     | U      | 2G   |            |        |
| HFP  |            |             |            | 13         | P     | S      |      |            |        |
| HFS  |            |             |            | 14         | A     | BD     |      |            |        |
| HFH  |            |             |            | 15         |       | BU     |      |            |        |
| HFX  |            |             |            |            |       | BS     |      |            |        |
| HFU  |            |             |            |            |       | J      |      |            |        |

**Note:** All dimensions are in mm

\* Customized

\*\* 47, 55, 66, 70, 78, 90, 110 and 150 mm  
for Aluminium Profile

| Type | Pleat Length (mm) |
|------|-------------------|
| HFM  | 25                |
| HFR  | 35                |
| HFN  | 50                |
| HFP  | 75                |
| HFS  | 100               |
| HFH  | 135               |
| HFX  | 150               |
| HFU  | Customized        |

| Frame | Description       |
|-------|-------------------|
| AP    | Aluminium profile |
| G     | Galvanized        |
| S     | Stainless steel   |
| P     | MDF               |
| A     | Aluminium sheet   |

| Gasket | Location     | Description                                                          |
|--------|--------------|----------------------------------------------------------------------|
| N      | No gasket    | -                                                                    |
| D      | Down stream  | Half Round Endless PU gasket                                         |
| U      | Up stream    | Half Round Endless PU gasket                                         |
| S      | Both side    | Half Round Endless PU gasket                                         |
| BD     | Down stream  | Neoprene or EPDM flat gasket                                         |
| BU     | Up stream    | Neoprene or EPDM flat gasket                                         |
| BS     | Both side    | Neoprene or EPDM flat gasket                                         |
| J      | In channel   | Gel gasket available on aluminium profiles 66, 73, 80, 88 and 104 mm |
| YJ     | Side channel | Side gel gasket available on aluminium profiles 66, 73 and 88 mm     |

| Media Area | Description | Handle | Description |
|------------|-------------|--------|-------------|
| S          | Standard    | NT     | No handle   |
| *          | Customized  | T      | Handle      |

| Grid | Location    |
|------|-------------|
| NG   | No grid     |
| 1G   | Down stream |
| 2G   | Both side   |

| Type | Width (mm) | Height (mm) | Depth (mm) | Efficiency | Frame | Gasket | Grid | Media Area | Collar Qty | Collar Dia. | Damper | Handle |
|------|------------|-------------|------------|------------|-------|--------|------|------------|------------|-------------|--------|--------|
| MHH  | 610        | 610         | 150        | 14         | AP    | D      | 1G   | S          | B          | 250         | D      | NT     |
|      | *          | *           | 125        | 13         | AP    |        | NG   | S          | B          | 150         | N      | NT     |
|      |            |             | 150        | 14         | A     |        | 1G   | *          | 2B         | 200         | D      | 2T     |
|      |            |             | *          | 15         | G     |        |      |            | 3B         | 250         | BFD    |        |
|      |            |             |            |            | S     |        |      |            |            | 300         |        |        |
|      |            |             |            |            |       |        |      |            |            | 400         |        |        |

| Media Area | Description |
|------------|-------------|
| S          | Standard    |
| *          | Customized  |

| Grid | Location    |
|------|-------------|
| NG   | No grid     |
| 1G   | Down stream |

| Damper | Description      |
|--------|------------------|
| N      | No damper        |
| D      | Damper           |
| BFD    | Butterfly damper |

| Handle | Description     |
|--------|-----------------|
| NT     | No handle       |
| 2T     | Handle top side |

**Note 1:** All dimensions are in mm

**Note 2:** Width $\geq$ 295 Height $\geq$ 295

| Frame | Description                                    |
|-------|------------------------------------------------|
| AP    | Aluminium Profile available for 125 and 150 mm |
| A     | Aluminium sheet                                |
| G     | Galvanized                                     |
| S     | Stainless steel                                |

| Collar Qty | Description |
|------------|-------------|
| B          | 1 Pc        |
| 2B         | 2 Pcs       |
| 3B         | 3 Pcs       |

| Gasket | Description |
|--------|-------------|
| D      | Down stream |

| Type | Width (mm) | Height (mm) | Depth (mm) | Cell | Efficiency | Frame | Gasket | Grid | Media Area | Handle | Color |
|------|------------|-------------|------------|------|------------|-------|--------|------|------------|--------|-------|
| MVH  | 610        | 610         | 292        | 5/6  | 14         | G     | D      | NG   | S          | NT     | 00    |
| MVH  | *          | *           | *          | 3/4  | 6          | G     | N      | NG   | S          | NT     | 00    |
| MV   |            |             |            | 4/5  | 7          | S     | D      | 1G   | *          | T      | 02    |
|      |            |             |            | 5/6  | 8          | PK    | U      | 2G   |            | 2T     |       |
|      |            |             |            |      | 9          |       | S      |      |            |        |       |
|      |            |             |            | 6/7  | 10         |       | BD     |      |            |        |       |
|      |            |             |            |      | 11         |       | BU     |      |            |        |       |
|      |            |             |            |      | 12         |       | BS     |      |            |        |       |
|      |            |             |            |      | 13         |       |        |      |            |        |       |
|      |            |             |            |      | 14         |       |        |      |            |        |       |

\* Plastic frame is available for 305x610x292 and 610x610x292 mm

| Frame | Description     |
|-------|-----------------|
| G     | Galvanized      |
| MG    | HT max. 120 °C  |
| S     | Stainless steel |
| PK    | Plastic         |

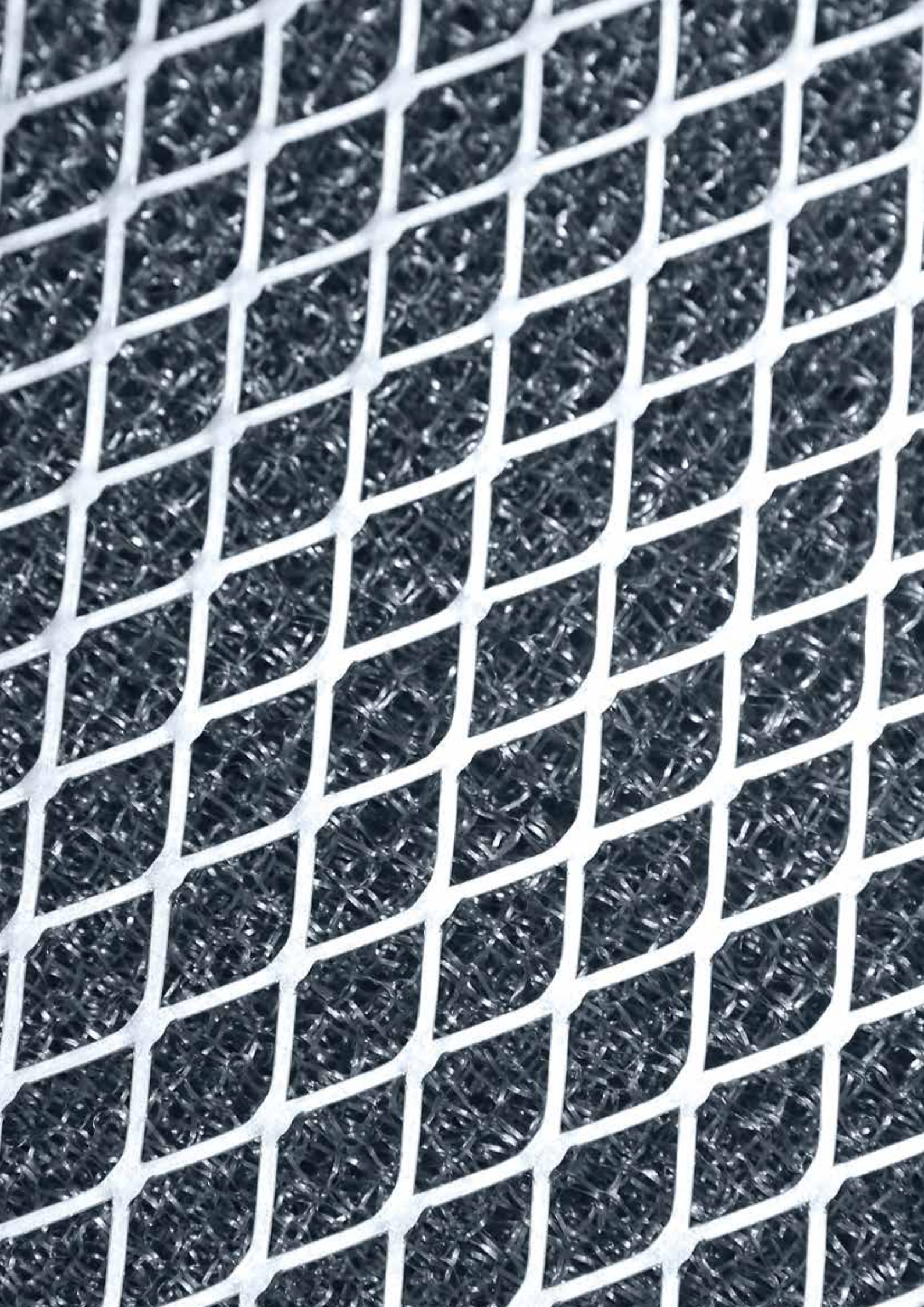
| Media Area | Description |
|------------|-------------|
| S          | Standard    |
| *          | Customized  |

| Color | Description            |
|-------|------------------------|
| 00    | Galvanized or SS frame |
| 02    | Black                  |

| Gasket | Location    | Type                         |
|--------|-------------|------------------------------|
| N      | No gasket   | -                            |
| D      | Down stream | Half Round Endless PU gasket |
| U      | Up stream   | Half Round Endless PU gasket |
| S      | Both side   | Half Round Endless PU gasket |
| BD     | Down stream | EPDM flat gasket             |
| BU     | Up stream   | EPDM flat gasket             |
| BS     | Both side   | EPDM flat gasket             |

| Grid | Location    |
|------|-------------|
| NG   | No grid     |
| 1G   | Down stream |
| 2G   | Both side   |

| Handle | Description         |
|--------|---------------------|
| NT     | No handle           |
| T      | Handle on side      |
| 2T     | Handle on both side |









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