Air pollution poses great risks for our future since it leads to chronic and acute respiratory tract diseases including stroke, cardiac diseases, lung cancer and asthma. However, this risk can be minimized through the reduction of air pollution levels.

Particulate matter (PM) which is a common indicator for air pollution, affects humans more when compared to other pollutants. WHO’s data suggest that 4 million premature deaths estimated to occur in the future due to air pollution on a global scale will ensue from exposure to 2.5 micron and smaller particles*. Meanwhile, Mikropor forestalls this threat through its products manufactured in accordance with the new global ISO 16890 Standard.

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

* www.who.int
OUR COMPANY

GENERAL APPLICATIONS 10
STANDARDS & CERTIFICATES 16
HIGH TECHNOLOGY 22
With more than 30 years of experience, Mikropor is the world’s leading air filter manufacturer, steering the industry with its innovative products. Mikropor produces Atmospheric Air Filters and Compressed Air Systems for various industries, providing integrated and customer-specific filtration solutions for its customers. Catering customers all around the globe, Mikropor utilizes cutting edge technology in its production and performs varied test procedures to ensure that quality is never compromised and that customer expectations are exceeded.

As air pollution threatens the earth today, Mikropor produces tomorrow’s technologies with its innovative approach and endeavors to build a safer world with its environment-conscious identity.
Mikropor is a world leader in manufacturing air filters for (five) main applications:

1. Gas Turbine Air Intake Systems
2. Automotive Industry
3. Pharmaceutical Industry
4. Food and Beverage Industry
5. HVAC

Mikropor produces both pulse and static air intake filters used in every type of air intake systems preferred by well-known GT manufacturers. The Mikropor gas turbine filtration solutions include unique products such as mini pleated, depth loading, and pulse filters offering high initial 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. (For more information, please get in touch with Mikropor professionals.)
AUTOMOTIVE INDUSTRY

Mikropor offers a complete range of air filters suitable for a modern-day painting system. These systems require either a constant fresh and particle free air or recirculated air without VOC. Because of its world wide experience, Mikropor supplies ultimate filtration solutions for HVAC and HT applications to well-known car manufacturers. Mikropor Total Filter Management (MTFM) is a key service program where experienced technicians provide state-of-the-art services in testing, monitoring and reporting to optimize the filtration in the painting process.
Choosing the right filter for a clean room application is extremely critical. Mikropor offers a wide variety of solutions including high efficient EPA, HEPA & ULPA filters and leakage free hood and box variations. 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.
FOOD AND BEVERAGE INDUSTRY

The food processing industry is sensitive for air filtration to prevent microbial load. Temperature and humidity need to be controlled. Only reliable systems with highly efficient filters can provide these type of controls. Mikropor offers filtration solutions to hygienic HVAC systems which are sensitive against microbial contamination and corrosion.

HVAC SYSTEMS

HVAC, heating, ventilation, and air conditioning systems play a major role in filtration. In order to achieve the required indoor air quality, the filters should capture the dust particles, hazardous gases, odors and ensure a pleasant and healthy indoor atmosphere. The correct ventilation system with good air filtration can also eliminate biological contaminants and germs in commercial buildings that affect health and human actions. Mikropor HVAC filters are designed to keep ventilating systems clean and have a carbon footprint to reduce energy consumption.
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.
OUR COMPANY STANDARDS AND CERTIFICATES

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 μm and filters are separated into three groups. These groups are: G, M and F.

<table>
<thead>
<tr>
<th>Group</th>
<th>Class</th>
<th>Final Pressure Drop (Pa)</th>
<th>Average Arrestance of Synthetic Dust (%)</th>
<th>Average Arrestance 0.4μ Particles (%)</th>
<th>Minimum Efficiency of 0.4μ Particles (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>G1</td>
<td>250</td>
<td>50≤Am≤65</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>G2</td>
<td>250</td>
<td>65≤Am≤80</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>G3</td>
<td>250</td>
<td>80≤Am≤90</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>G4</td>
<td>250</td>
<td>90≥Am</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Medium</td>
<td>M5</td>
<td>450</td>
<td>-</td>
<td>40≤Em≤60</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>M6</td>
<td>450</td>
<td>-</td>
<td>60≤Em≤80</td>
<td>-</td>
</tr>
<tr>
<td>Fine</td>
<td>F7</td>
<td>450</td>
<td>-</td>
<td>80≤Em≤90</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>F8</td>
<td>450</td>
<td>-</td>
<td>90≤Em≤95</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>F9</td>
<td>450</td>
<td>-</td>
<td>95≤Em</td>
<td>70</td>
</tr>
</tbody>
</table>

Mikropor is equipped with complete 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.

<table>
<thead>
<tr>
<th>FILTER GROUPS</th>
<th>MIN. REQUIREMENT</th>
<th>CLASS REPORTING VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO Coarse</td>
<td>-</td>
<td>&lt;50% Initial gravimetric arrastance</td>
</tr>
<tr>
<td>ISO ePM10</td>
<td>-</td>
<td>≥50% ePM10</td>
</tr>
<tr>
<td>ISO ePM2.5</td>
<td>≥50%</td>
<td>ePM10</td>
</tr>
<tr>
<td>ISO ePM1</td>
<td>≥50%</td>
<td>ePM1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FILTER GROUPS</th>
<th>EPM GROUP</th>
<th>MIN. REQUIREMENT</th>
<th>CLASS REPORTING VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO Coarse</td>
<td>ePM10</td>
<td>-</td>
<td>Initial gravimetric arrastance</td>
</tr>
<tr>
<td>ISO ePM10</td>
<td>ePM10</td>
<td>-</td>
<td>ePM10</td>
</tr>
<tr>
<td>ISO ePM2.5</td>
<td>ePM10</td>
<td>-</td>
<td>ePM10</td>
</tr>
<tr>
<td>ISO ePM1</td>
<td>ePM10</td>
<td>-</td>
<td>ePM10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PARTICLE DIAMETER SIZE RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Efficiency</td>
</tr>
<tr>
<td>ePM10</td>
</tr>
<tr>
<td>ePM2.5</td>
</tr>
<tr>
<td>ePM1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SIZE OF POLLUTANTS IN AIR</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Micron (µm)</th>
<th>Pollutants</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01 - 0.1</td>
<td>Viruses</td>
</tr>
<tr>
<td>0.1 - 0.3</td>
<td>Oil Vapors</td>
</tr>
<tr>
<td>0.3 - 1</td>
<td>Bacteria</td>
</tr>
<tr>
<td>1 - 2.5</td>
<td>Fly Ash</td>
</tr>
<tr>
<td>2.5 - 10</td>
<td>Sedentary Dust</td>
</tr>
<tr>
<td>10 - 100</td>
<td>Heavy Dust</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Partical size for classification</th>
<th>EN 779:2012</th>
<th>ISO 16890</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.4 μm</td>
<td>from 0.3 to 1μm (PM1) from 0.3 to 2.5μm (PM2.5) from 0.3 to 10μm (PM10)</td>
</tr>
<tr>
<td>Test aerosol</td>
<td>DEHS</td>
<td>DEHS / from 0.3 to 1μm KCL / from 1 to 10μm</td>
</tr>
<tr>
<td>Electrostatic discharge with IPA (isopropanol)</td>
<td>Media is fully immersed</td>
<td>Sample (entire filter) is conditioned with IPA vapour</td>
</tr>
<tr>
<td>Efficiency of discharged filter</td>
<td>Comparison of sample and filter</td>
<td>Average efficiency of treated and untreated (conditioned) filter</td>
</tr>
<tr>
<td>Dust feed for classification</td>
<td>Incremental dust feed</td>
<td>Classification without dust feed</td>
</tr>
<tr>
<td>Test dust for ISO coarse and energy efficiency</td>
<td>ASHRAE</td>
<td>ISO fine</td>
</tr>
<tr>
<td>Dust feed</td>
<td>70 mg/m³</td>
<td>140 mg/m³</td>
</tr>
<tr>
<td>Test final differential pressure</td>
<td>G1, G2, G3, G4=250 Pa</td>
<td>PM 10 ≤ 50%=200 Pa</td>
</tr>
<tr>
<td></td>
<td>M5, M6, F7, F8, F9=450 Pa</td>
<td>PM 10 ≤ 50%=300 Pa</td>
</tr>
<tr>
<td>Classification</td>
<td>from G1 to G4 from M5 to M6 from F7 to F9</td>
<td>ISO Coarse ISO ePM10 ISO ePM2.5 ISO ePM1</td>
</tr>
</tbody>
</table>

**ISO 16890**

![ISO 16890 particles](https://example.com/iso_16890_diagram.png)

**PM1**
- 0.4μm
- 0.3μm

**PM2.5**
- 2.5μm

**PM10**
- 10μm

**EN779:2012**
- 0.4μm

Our company standards and certificates:

- EN779:2012
- PM2,5
- PM10
- 10μm
- ISO 16890
- 2.5μm
- 1μm
- 0.4μm
- 0.3μm
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.

<table>
<thead>
<tr>
<th>FILTER CLASSIFICATION</th>
<th>EFFICIENCY (%) @MPPS</th>
<th>PENETRATION (%) @MPPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Overall Value</td>
<td>Local Value</td>
</tr>
<tr>
<td>EN 1822</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E10</td>
<td>85</td>
<td>-</td>
</tr>
<tr>
<td>E11</td>
<td>95</td>
<td>-</td>
</tr>
<tr>
<td>E12</td>
<td>99.50</td>
<td>-</td>
</tr>
<tr>
<td>H13</td>
<td>99.95</td>
<td>99.75</td>
</tr>
<tr>
<td>H14</td>
<td>99.995</td>
<td>99.975</td>
</tr>
<tr>
<td>U15</td>
<td>99.9995</td>
<td>99.9975</td>
</tr>
<tr>
<td>U16</td>
<td>99.99995</td>
<td>99.9999</td>
</tr>
<tr>
<td>U17</td>
<td>99.999995</td>
<td>99.9999</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Standards</th>
<th>Particle Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>US 209E 1992</td>
<td>0.1 micron</td>
</tr>
<tr>
<td>ISO 14644 1996</td>
<td>0.3 micron</td>
</tr>
<tr>
<td>BS 5295 1989</td>
<td>0.5 micron</td>
</tr>
<tr>
<td></td>
<td>0.5 micron</td>
</tr>
<tr>
<td>-</td>
<td>10</td>
</tr>
<tr>
<td>-</td>
<td>100</td>
</tr>
<tr>
<td>1</td>
<td>1000</td>
</tr>
<tr>
<td>10</td>
<td>10000</td>
</tr>
<tr>
<td>100</td>
<td>1000000</td>
</tr>
<tr>
<td>1000</td>
<td>10000000</td>
</tr>
<tr>
<td>10000</td>
<td>-</td>
</tr>
<tr>
<td>100000</td>
<td>-</td>
</tr>
<tr>
<td>8000000</td>
<td>-</td>
</tr>
</tbody>
</table>

Our Company Cleanrooms / Energy Efficient Filters

Energy consumption, one of the basic cost items, constitutes approximately 80% of total filtration costs. Because of this high rate, using an air filter with high energy efficiency provides cost saving and also reduces the amount of waste, since the replacement frequency is decreased.

An invariable method is used in order to evaluate the energy efficiency of G4, M5, M6, F7, F8 and F9 class filters, and products in which this method is implemented are indicated with Eurovent 4/11 certificate located thereon. Eurovent energy label is valid for filter classes between G4 and F9 that are tested in accordance with EN 779:2012 Standard.

With its energy efficient filters, Mikropor protects your health and the environment while allowing you to save money.
PERFORMANCE UNDER GUARANTEE

Eurovent Certification is used for air conditioning and cooling products, indicating that these products are in compliance with European and international standards. The series of common criteria for the products is formed by rating of the products and thus, the performances of the filters are guaranteed. By dint of detailed identification of certified products, it becomes unnecessary to perform tests, such as extensive comparison and performance qualification tests, once again. Thanks to the globally acknowledged Eurovent Certification, not only is the work simplified but also the trust towards data accuracy is increased.
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.

NANO / Nano Coating System

Filter materials can be coated with fibers in nano scale through a nanofiber coating machine that utilizes electrospinning method. Durable and highly efficient filter material can be further improved by performing nanofiber coating on the material. It is expected for the nanofiber coating to be evenly distributed over the filter material and for the filter to have low pressure drop and high efficiency.
COARSE FILTERS
G2-G3-G4

MFM-ROLLS-PF 28
MFM-ROLLS-PB 29
MFM-ROLLS-PS, DS 30
MPM SERIES 32
MPP SERIES 34
MGP SERIES 36
MSKPN SERIES 37
MSKPN-HP SERIES 38
MSKP SERIES 40
MSKP MESH SERIES 41
MPS COARSE SERIES 42
MPR SERIES 43
COARSE FILTERS
MFM-ROLLS-PF

COARSE FILTERS

Media
Synthetic

Final Pressure Drop
250 Pa

Operating Temperature
80°C

Filter Efficiency*
G2-G3-G4

Filter Class**
ISO Coarse

Applications
• Pre-filter for HVAC
• Electrical switchboards
• Industrial plants

Advantages
• Customized dimensions
• Depth loading
• High dust holding capacity

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
<th>ISO 16890 Class</th>
<th>Dimensions</th>
<th>Media Area (m²)</th>
<th>Air Flow (m³/h.m²)</th>
<th>Pressure Drop (Pa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFM-175-2X20</td>
<td>G2</td>
<td>Coarse 30%</td>
<td>2 20 10</td>
<td>40,00</td>
<td>1700</td>
<td>25</td>
</tr>
<tr>
<td>MFM-200-2X20</td>
<td>G3</td>
<td>Coarse 40%</td>
<td>2 20 15</td>
<td>40,00</td>
<td>2500</td>
<td>25</td>
</tr>
<tr>
<td>MFM-270-2X20</td>
<td>G4</td>
<td>Coarse 60%</td>
<td>2 20 20</td>
<td>40,00</td>
<td>3400</td>
<td>25</td>
</tr>
</tbody>
</table>

* According to EN 779:2012  ** According to ISO 16890
MFM-ROLLS-PB

Coarse Filters
ISO 16890 Certified

Part Number | EN 779:2012 Efficiency | ISO 16890 Class | Dimensions | Media Area (m²) | Air Flow (m³/h.m²) | Pressure Drop (Pa) |
--- | --- | --- | --- | --- | --- | --- |
MFM-PB-600-2X20 | M5 | ISO ePM10 50% | 2 x 20 x 20 | 40.00 | 1000 | 30 |
MFM-PB-600-1X20 | M5 | ISO ePM10 50% | 1 x 20 x 20 | 20.00 | 1000 | 30 |

* According to EN 779:2012  ** According to ISO 16890

Media | Synthetic
Final Pressure Drop | 450 Pa
Operating Temperature | 80°C
Filter Efficiency* | M5
Filter Class** | ISO ePM10

Applications
- Paint spray booths

Advantages
- Customized dimensions
- Uniform air distribution
- Optimal laminar air flow
MFM-ROLLS-PS, DS

Media
Fiberglass

Final Pressure Drop
250 Pa

Operating Temperature
PS: 120°C, DS: 100°C

Filter Efficiency*
G2-G3-G4

Filter Class**
ISO Coarse

Applications
• DS, Pre-filter for HVAC
• Pre-filtration for gas turbines
• PS, Painting booths

Advantages
• Customized dimensions
• High dust holding capacity
• Cost saving
• Prevention of machine damage

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
<th>ISO 16890 Class</th>
<th>Dimensions</th>
<th>Media Area (m²)</th>
<th>Air Flow (m³/h.m²)</th>
<th>Pressure Drop (Pa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFM-PS-1&quot;</td>
<td>G2</td>
<td>ISO Coarse 30%</td>
<td>2</td>
<td>20</td>
<td>25</td>
<td>40,00</td>
</tr>
<tr>
<td>MFM-PS-2&quot;</td>
<td>G3</td>
<td>ISO Coarse 40%</td>
<td>2</td>
<td>20</td>
<td>50</td>
<td>40,00</td>
</tr>
<tr>
<td>MFM-PS-4&quot;</td>
<td>G4</td>
<td>ISO Coarse 60%</td>
<td>2</td>
<td>20</td>
<td>100</td>
<td>40,00</td>
</tr>
<tr>
<td>MFM-DS-2&quot;</td>
<td>G3</td>
<td>ISO Coarse 40%</td>
<td>2</td>
<td>20</td>
<td>50</td>
<td>40,00</td>
</tr>
<tr>
<td>MFM-DS-4&quot;</td>
<td>G4</td>
<td>ISO Coarse 60%</td>
<td>2</td>
<td>20</td>
<td>100</td>
<td>40,00</td>
</tr>
</tbody>
</table>

* According to EN 779:2012  ** According to ISO 16890
### MPM SERIES

**Media**
- Fiberglass

**Frame**
- Cardboard or Polypropylene

**Final Pressure Drop**
- 250 Pa

**Operating Temperature**
- PS: 120°C, DS: 100°C

**Filter Efficiency**
- G2-G3-G4

**Filter Class**
- ISO Coarse

### Applications
- Pre-filter for HVAC and painting booths

### Advantages
- Disposable
- Moisture resistant cardboard frame
- High dust holding capacity
- Cost saving

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
<th>ISO 16890 Class</th>
<th>Dimensions</th>
<th>Media Area (m²)</th>
<th>Air Flow (m³/h)</th>
<th>Pressure Drop (Pa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPM-289/595/20</td>
<td>G2</td>
<td>ISO Coarse 30%</td>
<td>Width 289 (mm)</td>
<td>Length 595 (mm)</td>
<td>Depth 20 (mm)</td>
<td>0.17</td>
</tr>
<tr>
<td>MPM-495/595/20</td>
<td>G2</td>
<td>ISO Coarse 30%</td>
<td>495</td>
<td>595</td>
<td>20</td>
<td>0.29</td>
</tr>
<tr>
<td>MPM-595/595/20</td>
<td>G2</td>
<td>ISO Coarse 30%</td>
<td>595</td>
<td>595</td>
<td>20</td>
<td>0.35</td>
</tr>
<tr>
<td>MPM-495/495/20</td>
<td>G2</td>
<td>ISO Coarse 30%</td>
<td>495</td>
<td>495</td>
<td>20</td>
<td>0.25</td>
</tr>
<tr>
<td>MPM-242/495/20</td>
<td>G2</td>
<td>ISO Coarse 30%</td>
<td>242</td>
<td>495</td>
<td>20</td>
<td>0.12</td>
</tr>
<tr>
<td>MPM-395/495/20</td>
<td>G2</td>
<td>ISO Coarse 30%</td>
<td>395</td>
<td>495</td>
<td>20</td>
<td>0.20</td>
</tr>
<tr>
<td>MPM-395/624/20</td>
<td>G2</td>
<td>ISO Coarse 30%</td>
<td>395</td>
<td>624</td>
<td>20</td>
<td>0.25</td>
</tr>
<tr>
<td>MPM-495/624/20</td>
<td>G2</td>
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* According to EN 779:2012  ** According to ISO 16890
## MPM Series

### Coarse Filters

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* According to EN 779:2012  ** According to ISO 16890
# MPP SERIES

**Media**  
Synthetic

**Frame**  
Cardboard

**Final Pressure Drop**  
250 Pa

**Operating Temperature**  
80°C

**Filter Efficiency**  
G4

**Filter Class**  
ISO Coarse

### Applications
- Pre-filter for HVAC

### Advantages
- Disposable
- Moisture resistant cardboard frame
- Low initial pressure drop
- Metal free
- Incinerable

---

### Part Number Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
<th>ISO 16890 Class</th>
<th>Dimensions (mm)</th>
<th>Media Area (m²)</th>
<th>Air Flow (m³/h)</th>
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* According to EN 779:2012  ** According to ISO 16890
## MPP SERIES

### COARSE FILTERS

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* According to EN 779:2012  ** According to ISO 16890

---

ISO 16890 CERTIFIED

** mikropor **

35
**MGP SERIES**

**COARSE FILTERS**

- **Media**: Synthetic
- **Frame**: Cardboard
- **Final Pressure Drop**: 250 Pa
- **Operating Temperature**: 80°C
- **Filter Efficiency***: G4
- **Filter Class****: ISO Coarse
- **Separators**: Thermoplastic Adhesive

**Applications**
- Pre-filter for HVAC and gas turbines

**Advantages**
- Disposable
- Moisture resistant cardboard frame
- Tidy pleat spacing
- Customized width and height
- Metal free
- Incinerable

### Applications Table

<table>
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<tr>
<th>Part Number</th>
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</table>

* According to EN 779:2012  ** According to ISO 16890
## MSKPN SERIES

### Media
- Synthetic

### Frame
- Plastic (ABS),
- Galvanized Steel, Stainless Steel

### Final Pressure Drop
- 250 Pa

### Operating Temperature
- 80°C

### Filter Efficiency*
- G4

### Filter Class**
- ISO Coarse

### Sealant
- Polyurethane

### Separators
- Thermoplastic Adhesive

### Gasket
- Optional

### Applications
- Primary filtration

### Advantages
- Tidy pleat spacing
- Light and rigid filter
- Leakage free

### Parts Table

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* According to EN 779:2012  ** According to ISO 16890
MSKPN-HP SERIES

Media
- Synthetic with Water Repellent Treatment

Frame
- Plastic (ABS), Galvanized Steel, Stainless Steel

Final Pressure Drop
- 450 Pa

Operating Temperature
- 80°C

Filter Efficiency*
- G4

Filter Class**
- ISO Coarse

Sealant
- Polyurethane

Separators
- Plastic

Gasket
- Optional

Applications
- Gas turbine primary filtration and industrial processes

Advantages
- Tidy pleat spacing
- Robust
- Water repellent media
- Leakage free

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
<th>ISO 16890 Class</th>
<th>Dimensions</th>
<th>Media Area (m²)</th>
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</tbody>
</table>

* According to EN 779:2012  ** According to ISO 16890
**MSKP SERIES**

### Media
- Synthetic

### Frame
- Galvanized Steel, Stainless Steel

### Final Pressure Drop
- 250 Pa

### Operating Temperature
- 80°C

### Filter Efficiency*
- G4

### Filter Class**
- ISO Coarse

### Gasket
- Optional

#### Applications
- • Pre-filter for HVAC

#### Advantages
- • Light and rigid filter
- • Low initial pressure drop

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### COARSE FILTERS ISO 16890 CERTIFIED

#### Media
- Synthetic

#### Frame
- Galvanized Steel, Stainless Steel

#### Final Pressure Drop
- 250 Pa

#### Operating Temperature
- 80°C

#### Filter Efficiency*
- G4

#### Filter Class**
- ISO Coarse

#### Gasket
- Optional

---

### Part Number | EN 779:2012 Efficiency | ISO 16890 Class | Dimensions | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa)
--- | --- | --- | --- | --- | --- | ---
MSKP-287/592/48-42GNNG | G4 | ISO Coarse 60% | 287 | 592 | 48 | 0.70 | 1700 | 70
MSKP-492/592/48-42GNNG | G4 | ISO Coarse 60% | 492 | 592 | 48 | 1.00 | 2500 | 70
MSKP-592/592/48-42GNNG | G4 | ISO Coarse 60% | 592 | 592 | 48 | 1.30 | 3400 | 70
MSKP-287/592/96-42GNNG | G4 | ISO Coarse 60% | 287 | 592 | 96 | 1.10 | 1700 | 45
MSKP-492/592/96-42GNNG | G4 | ISO Coarse 60% | 492 | 592 | 96 | 1.90 | 2500 | 45
MSKP-592/592/96-42GNNG | G4 | ISO Coarse 60% | 592 | 592 | 96 | 2.20 | 3400 | 45

* According to EN 779:2012  ** According to ISO 16890

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www.mikropor.com
**MSKP MESH SERIES**

### Media
Aluminium Knitted Wire Mesh, Stainless Steel Knitted Wire Mesh

### Frame
Aluminium, Galvanized Steel, Stainless Steel

### Final Pressure Drop
250 Pa

### Operating Temperature
200°C

### Filter Efficiency*
G1

### Filter Class**
ISO Coarse

### Applications
- Pre-filter for gas turbine applications
- Smoke fume aspirations, sparkle filtration

### Advantages
- Rigid filter
- Low initial pressure drop
- Washable

---

### Media
Aluminium Knitted Wire Mesh, Stainless Steel Knitted Wire Mesh

### Frame
Aluminium, Galvanized Steel, Stainless Steel

### Final Pressure Drop
250 Pa

### Operating Temperature
200°C

### Filter Efficiency*
G1

### Filter Class**
ISO Coarse

### Applications
- Pre-filter for gas turbine applications
- Smoke fume aspirations, sparkle filtration

### Advantages
- Rigid filter
- Low initial pressure drop
- Washable

---

### Part Number | EN 779:2012 Efficiency | ISO 16890 Class | Dimensions | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa)
--- | --- | --- | --- | --- | --- | ---
MSKP-287/592/48-A-ALMESH | G1 | ISO Coarse 30% | Width (mm) 287 | Length (mm) 592 | Depth (mm) 48 | 2250 | 60 | -
MSKP-492/592/48-A-ALMESH | G1 | ISO Coarse 30% | Width (mm) 492 | Length (mm) 592 | Depth (mm) 48 | 3400 | 60 | -
MSKP-592/592/48-A-ALMESH | G1 | ISO Coarse 30% | Width (mm) 592 | Length (mm) 592 | Depth (mm) 48 | 4250 | 60 | -

* According to EN 779:2012  ** According to ISO 16890
# MPS COARSE SERIES

**Media**
- Synthetic

**Frame**
- Galvanized Steel

**Final Pressure Drop**
- 250 Pa

**Operating Temperature**
- 80°C

**Filter Efficiency**
- G3-G4

**Filter Class**
- ISO Coarse

## Applications
- General ventilation and air conditioning equipment

## Advantages
- High dust holding capacity
- Low initial pressure drop
- Conical self-supporting pockets with ultrasonic welding

## MPS COARSE SERIES

### Specifications
- **Part Number**: MPS-3-06600-03
- **Efficiency**: G3 ISO Coarse 50%
- **Media Area (m²)**: 5.00
- **Air Flow (m³/h)**: 3400
- **Pressure Drop (Pa)**: 40
- **Number of Pockets**: 6

### Table

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
<th>ISO 16890 Class</th>
<th>Dimensions (mm)</th>
<th>Media Area (m²)</th>
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| MPS-4-05600-02 | G4 ISO Coarse 60% | 490 592 600 | 4.20 | 2800 | 50 | 5 |
| MPS-4-03600-01 | G4 ISO Coarse 60% | 287 592 600 | 2.50 | 1700 | 50 | 3 |
| MPS-4-06360-03 | G4 ISO Coarse 60% | 592 592 360 | 3.00 | 3400 | 60 | 6 |
| MPS-4-05360-02 | G4 ISO Coarse 60% | 490 592 360 | 2.50 | 2800 | 60 | 5 |
| MPS-4-03360-01 | G4 ISO Coarse 60% | 287 592 360 | 1.50 | 1700 | 60 | 3 |

* According to EN 779:2012  ** According to ISO 16890
COARSE FILTERS

MPR SERIES

Media
- Synthetic

Frame
- Molded Plastic Frame

Final Pressure Drop
- 450 Pa

Operating Temperature
- 80°C

Filter Efficiency*
- G4-M5-M6

Filter Class**
- ISO Coarse - ISO ePM10

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

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<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
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<th>Media Area (m²)</th>
<th>Air Flow (m³/h)</th>
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* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014
FINE FILTERS
M5-F9

MPS FINE SERIES 46
MPS FINE PLASTIC SERIES 48
MPG SERIES 50
MPF SERIES CARDBOARD 54
MPF SERIES 56
MC SERIES 58
MV-G SERIES 60
MV-HT PLASTIC SERIES 61
MV SERIES 62
MVX SERIES 63
MVEE SERIES 64
MW SERIES 65
MV SERIES SINGLE CELL V FILTER 66
**MPS FINE SERIES**

- **Media**: Synthetic
- **Frame**: Galvanized Steel
- **Final Pressure Drop**: 450 Pa
- **Operating Temperature**: 80°C
- **Filter Efficiency**: M5-M6-F7-F8
- **Filter Class**: ISO ePM10 / ISO ePM2.5 / ISO ePM1
- **Media Color**: M5: White / M6: Green / F7: Pink / F8: Yellow

### Applications
- HVAC

### Advantages
- Low initial pressure drop

### Part Number | EN 779:2012 Efficiency | ISO 16890 Class | Dimensions | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa) | Number of Pockets |
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* According to EN 779:2012  ** According to ISO 16890
## MPS FINE SERIES

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<th>Media Area (m²)</th>
<th>Air Flow (m³/h)</th>
<th>Pressure Drop (Pa)</th>
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</table>

* According to EN 779:2012  ** According to ISO 16890
# MPS FINE PLASTIC SERIES

**Media**
- Synthetic

**Frame**
- Plastic (PS)

**Final Pressure Drop**
- 450 Pa

**Operating Temperature**
- 80°C

**Filter Efficiency**
- M5-M6-F7-F8

**Filter Class**
- ISO ePM10 / ISO ePM2.5 / ISO ePM1

**Media Color**
- M5: White / M6: Green / F7: Pink / F8: Yellow

### Applications
- HVAC

### Advantages
- Low initial pressure drop

## Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
<th>ISO 16890 Class</th>
<th>Dimensions (Width (mm) x Length (mm) x Depth (mm))</th>
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<th>Air Flow (m³/h)</th>
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* According to EN 779:2012  ** According to ISO 16890
## MPS FINE PLASTIC SERIES

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* According to EN 779:2012  ** According to ISO 16890
# MPG SERIES

**Media**
Glassfiber

**Frame**
Galvanized Steel

**Final Pressure Drop**
450 Pa

**Operating Temperature**
80°C

**Filter Efficiency***
M5-M6-F7-F8

**Filter Class**
ISO ePM10 / ISO ePM1

**Media Color**
M5: White / M6: Green / F7: Pink
F8: Yellow

**Fiber Assembly Type**
Sewn

## Applications
- HVAC
- Pre-filter of absolute filters

## Advantages
- Low initial pressure drop
- Low energy use

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* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014

www.mikropor.com
## MPG SERIES

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<th>Pressure Drop (Pa)</th>
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* According to EN 779:2012 ** According to ISO 16890 *** According to Eurovent 4/21-2014
## MPG SERIES

**FINE FILTERS**

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<th>Media Area (m²)</th>
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<th>Pressure Drop (Pa)</th>
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* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014

www.mikropor.com
MPF SERIES CARDBOARD

Media
Microglass Fiber

Frame
Cardboard

Final Pressure Drop
450 Pa

Operating Temperature
80°C

Filter Efficiency*
M5-M6-F7-F8

Filter Class**
ISO ePM10 / ISO ePM1

Sealant
Wood Glue

Separator
Hot Melt

Applications
• HVAC

Advantages
• Compact and rigid
• Low energy use
• High surface area
• Metal free

Part Number | EN 779:2012 Efficiency | ISO 16890 Class | Dimensions | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa)
--- | --- | --- | --- | --- | --- | ---
MPF-595/595/45-5KN | M5 | ISO ePM10 55% | 595 | 595 | 45 | 5.90 | 2000 | 65
MPF-495/595/45-5KN | M5 | ISO ePM10 55% | 495 | 595 | 45 | 4.90 | 1650 | 65
MPF-287/595/45-5KN | M5 | ISO ePM10 55% | 287 | 595 | 45 | 2.90 | 1000 | 65
MPF-595/595/95-5KN | M5 | ISO ePM10 55% | 595 | 595 | 95 | 11.50 | 2900 | 70
MPF-495/595/95-5KN | M5 | ISO ePM10 55% | 495 | 595 | 95 | 9.60 | 2400 | 70
MPF-287/595/95-5KN | M5 | ISO ePM10 55% | 287 | 595 | 95 | 5.80 | 1450 | 70

MPF-595/595/45-6KN | M6 | ISO ePM10 60% | 595 | 595 | 45 | 5.90 | 2000 | 65
MPF-495/595/45-6KN | M6 | ISO ePM10 60% | 495 | 595 | 45 | 4.90 | 1650 | 65
MPF-287/595/45-6KN | M6 | ISO ePM10 60% | 287 | 595 | 45 | 2.90 | 1000 | 65
MPF-595/595/95-6KN | M6 | ISO ePM10 60% | 595 | 595 | 95 | 11.50 | 2900 | 70
MPF-495/595/95-6KN | M6 | ISO ePM10 60% | 495 | 595 | 95 | 9.60 | 2400 | 70
MPF-287/595/95-6KN | M6 | ISO ePM10 60% | 287 | 595 | 95 | 5.80 | 1450 | 70

MPF-595/595/45-7KN | F7 | ISO ePM1 50% | 595 | 595 | 45 | 5.90 | 2000 | 80
MPF-495/595/45-7KN | F7 | ISO ePM1 50% | 495 | 595 | 45 | 4.90 | 1650 | 80
MPF-287/595/45-7KN | F7 | ISO ePM1 50% | 287 | 595 | 45 | 2.90 | 1000 | 80
MPF-595/595/95-7KN | F7 | ISO ePM1 50% | 595 | 595 | 95 | 11.50 | 2900 | 90

* According to EN 779:2012  ** According to ISO 16890
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* According to EN 779:2012  ** According to ISO 16890
# MPF SERIES

## Media
- Microglass Fiber

## Frame
- Galvanized Steel, Aluminium, Stainless Steel, MDF, Plastic

## Final Pressure Drop
- 450 Pa

## Operating Temperature
- 80°C

## Filter Efficiency
- M6-F7-F8-F9

## Filter Class
- ISO ePM10 / ISO ePM1

## Gasket
- Optional

## Sealant
- Polyurethane

## Separator
- Hot Melt

### Applications
- HVAC

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

### Part Number | EN 779:2012 Efficiency | ISO 16890 Class | Dimensions (mm) | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa) |
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* According to EN 779:2012  ** According to ISO 16890
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<th>Media Area (m²)</th>
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</table>
MC SERIES

Media
Microglass Fiber

Frame
Plastic or Galvanized Steel

Final Pressure Drop
450 Pa

Operating Temperature
80°C

Filter Efficiency*
M6-F7-F8-F9

Filter Class**
ISO ePM10 / ISO ePM1

Gasket
Optional

Sealant
Polyurethane

Header Thickness
25 mm

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

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

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<tr>
<th>Part Number</th>
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<th>Class</th>
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<th>Media Area (m²)</th>
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<th>Energy (***)</th>
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* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014

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MV-G SERIES

Media: Synthetic
Frame: PS
Final Pressure Drop: 450 Pa
Operating Temperature: 80°C
Filter Efficiency*: G4
Filter Class**: ISO Coarse 60%
Gasket: Optional
Sealant: Polyurethane
Separators: Hot Melt on the Pleat
Header Thickness: 20 mm, 25 mm

Applications
- Coalescer for gas turbine applications

Advantages
- Compact design
- Reverse flow

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* According to EN 779:2012  ** According to ISO 16890
MV-HT PLASTIC SERIES

Media: Microglass Fiber
Frame: Polyamid
Final Pressure Drop: 600 Pa
Operating Temperature: 120°C
Filter Efficiency*: M6-F7-F8-F9
Filter Class**: ISO ePM10 / ISO ePM1
Gasket: Optional
Sealant: Polyurethane
Header Thickness: 20 mm, 25 mm

Applications
- HVAC
- Cleanroom applications

Advantages
- Compact design
- High surface area
- High efficiency

Part Number | EN 779:2012 Efficiency | ISO 16890 Class | Dimensions (mm) | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa) | Energy (***)
--- | --- | --- | --- | --- | --- | --- | ---
MV-M6-01-P | M6 | ISO ePM10 65% | Width: 592, Length: 292, Depth: 292 | 9.00 | 1750 | 65 | C
MV-M6-02-P | M6 | ISO ePM10 65% | Width: 592, Length: 492, Depth: 292 | 15.00 | 2800 | 65 | C
MV-M6-03-P | M6 | ISO ePM10 65% | Width: 592, Length: 592, Depth: 292 | 18.00 | 3400 | 65 | C

MV-F7-01-P | F7 | ISO ePM1 50% | Width: 592, Length: 292, Depth: 292 | 9.00 | 1750 | 78 | B
MV-F7-02-P | F7 | ISO ePM1 50% | Width: 592, Length: 492, Depth: 292 | 15.00 | 2800 | 78 | B
MV-F7-03-P | F7 | ISO ePM1 50% | Width: 592, Length: 592, Depth: 292 | 18.00 | 3400 | 78 | B

MV-F8-01-P | F8 | ISO ePM1 65% | Width: 592, Length: 292, Depth: 292 | 9.00 | 1750 | 92 | B
MV-F8-02-P | F8 | ISO ePM1 65% | Width: 592, Length: 492, Depth: 292 | 15.00 | 2800 | 92 | B
MV-F8-03-P | F8 | ISO ePM1 65% | Width: 592, Length: 592, Depth: 292 | 18.00 | 3400 | 92 | B

MV-F9-01-P | F9 | ISO ePM1 80% | Width: 592, Length: 292, Depth: 292 | 9.00 | 1750 | 115 | A
MV-F9-02-P | F9 | ISO ePM1 80% | Width: 592, Length: 492, Depth: 292 | 15.00 | 2800 | 115 | A
MV-F9-03-P | F9 | ISO ePM1 80% | Width: 592, Length: 592, Depth: 292 | 18.00 | 3400 | 115 | A

* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014
### MV SERIES

**Media**
- Microglass Fiber

**Frame**
- PS

**Final Pressure Drop**
- 450 Pa

**Operating Temperature**
- 80°C

**Filter Efficiency***
- M6-F7-F8-F9

**Filter Class**
- ISO ePM10 / ISO ePM1

**Gasket**
- Optional

**Sealant**
- Polyurethane

**Separators**
- Hot Melt

**Header Thickness**
- 20 mm, 25 mm

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

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

---

### Dimensions and Specifications

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* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014

---

www.mikropor.com
# MVX SERIES

**FINE FILTERS**

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<tr>
<th>Media</th>
<th>Microglass Fiber</th>
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<td>Header Thickness</td>
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### Applications
- Gas turbine applications

### Advantages
- High surface area
- High efficiency
- Energy saver

## Specifications

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<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
<th>ISO 16890 Class</th>
<th>Dimensions</th>
<th>Media Area (m²)</th>
<th>Air Flow (m³/h)</th>
<th>Pressure Drop (Pa)</th>
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* According to EN 779:2012 ** According to ISO 16890 *** According to Eurovent 4/21-2014

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**FULLY POTTED**

- Media: Microglass Fiber
- Frame: PS
- Final Pressure Drop: 450 Pa
- Operating Temperature: 80°C
- Filter Efficiency*: M6-F7-F8-F9
- Filter Class**: ISO ePM10 / ISO ePM1
- Gasket: Optional
- Sealant: Polyurethane
- Separators: Hot Melt
- Header Thickness: 25 mm

**Applications**
- Gas turbine applications

**Advantages**
- High surface area
- High efficiency
- Energy saver

---

### Operating Temperature
- 80°C

### Media
- Microglass Fiber

### Framework
- PS

### Pressure Drop
- 450 Pa

### Filter Efficiency
- M6-F7-F8-F9

### Filter Class
- ISO ePM10 / ISO ePM1

### Gasket
- Optional

### Sealant
- Polyurethane

### Separators
- Hot Melt

### Header Thickness
- 25 mm

---

**Applications**
- Gas turbine applications

**Advantages**
- High surface area
- High efficiency
- Energy saver
**MVEE SERIES**

- **Media**: Microglass Fiber
- **Frame**: PS
- **Final Pressure Drop**: 450 Pa
- **Operating Temperature**: 80°C
- **Filter Efficiency**: F7-F8-F9
- **Filter Class**: ISO ePM1
- **Gasket**: Optional
- **Sealant**: Polyurethane
- **Separators**: Hot Melt
- **Header Thickness**: 20 mm, 25 mm

### Applications
- HVAC
- Cleanroom applications

### Advantages
- A+ Energy saver
- High surface area
- High efficiency

### Specifications

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* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014

---

www.mikropor.com
**MW SERIES**

**Media**  
Microglass Fiber

**Frame**  
PS

**Final Pressure Drop**  
450 Pa

**Operating Temperature**  
80°C

**Filter Efficiency***  
M6-F7-F8-F9

**Filter Class****  
ISO ePM10 / ISO ePM1

**Gasket**  
Optional

**Sealant**  
Polyurethane

**Separators**  
Hot Melt

---

**Applications**  
- HVAC

**Advantages**  
- Compact and economic
- High surface area
- High efficiency

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* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014
**MV SERIES** SINGLE CELL V FILTER

**Media**  
Microglass Fiber

**Frame**  
Plastic (Ps), Galvanized Steel, Aluminium

**Final Pressure Drop**  
450 Pa

**Operating Temperature**  
80°C

**Filter Efficiency***  
F8-F9-E11-E12-H13

**Filter Class****  
ISO ePM1

**Gasket**  
Optional

**Sealant**  
Polyurethane

**Separators**  
Hot Melt

### Applications
- Terminal filtration in air treatment units

### Advantages
- High air flow
- Low pressure drop

### Table

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<thead>
<tr>
<th>Part Number</th>
<th>Filter Class</th>
<th>Dimensions</th>
<th>Media Area (m²)</th>
<th>Air Flow (m³/h)</th>
<th>Pressure Drop (Pa)</th>
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* According to EN 779:2012  ** According to ISO 16890
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G4 / M5-F9

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### MSKPHT SERIES

**Media**
- Glass Fiber

**Frame**
- Galvanized Steel or Stainless Steel

**Final Pressure Drop**
- 450 Pa

**Operating Temperature**
- 270°C

**Filter Efficiency**
- M5

**Filter Class**
- ISO ePM10

**Gasket**
- High Temperature Gasket

**Applications**
- Pre-filter for heat treatment

**Advantages**
- Depth loading
- High dust holding capacity

### Specifications

<table>
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<tr>
<th>Part Number</th>
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<td>96</td>
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<td>110</td>
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</tr>
</tbody>
</table>

* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014

270°C  
Silicone Free

**Part Number**: MSKPHT-287/592/48  
**Efficiency**: G4  
**ISO 16890 Class**: ISO Coarse 60%  
**Dimensions**: Width 287 mm, Length 592 mm, Depth 48 mm  
**Media Area**: 0.60 m²  
**Air Flow**: 1000 m³/h  
**Pressure Drop**: 100 Pa  

**Part Number**: MSKPHT-492/592/48  
**Efficiency**: G4  
**ISO 16890 Class**: ISO Coarse 60%  
**Dimensions**: Width 492 mm, Length 592 mm, Depth 48 mm  
**Media Area**: 0.90 m²  
**Air Flow**: 1650 m³/h  
**Pressure Drop**: 100 Pa  

**Part Number**: MSKPHT-592/592/48  
**Efficiency**: G4  
**ISO 16890 Class**: ISO Coarse 60%  
**Dimensions**: Width 592 mm, Length 592 mm, Depth 48 mm  
**Media Area**: 1.10 m²  
**Air Flow**: 2000 m³/h  
**Pressure Drop**: 100 Pa  

**Part Number**: MSKPHT-287/592/96  
**Efficiency**: M5  
**ISO 16890 Class**: ISO ePM10 50%  
**Dimensions**: Width 287 mm, Length 592 mm, Depth 96 mm  
**Media Area**: 1.10 m²  
**Air Flow**: 1700 m³/h  
**Pressure Drop**: 110 Pa  
**Energy**: E  

**Part Number**: MSKPHT-492/592/96  
**Efficiency**: M5  
**ISO 16890 Class**: ISO ePM10 50%  
**Dimensions**: Width 492 mm, Length 592 mm, Depth 96 mm  
**Media Area**: 1.80 m²  
**Air Flow**: 2500 m³/h  
**Pressure Drop**: 110 Pa  
**Energy**: E  

**Part Number**: MSKPHT-592/592/96  
**Efficiency**: M5  
**ISO 16890 Class**: ISO ePM10 50%  
**Dimensions**: Width 592 mm, Length 592 mm, Depth 96 mm  
**Media Area**: 2.20 m²  
**Air Flow**: 3400 m³/h  
**Pressure Drop**: 110 Pa  
**Energy**: E
**MV4HT SERIES**

| Applications | • Automotive industry |
| Advantages | • High efficiency  
| | • High surface area |

**Media**  
Microglass Fiber

**Frame**  
Galvanized Steel

**Final Pressure Drop**  
450 Pa

**Operating Temperature**  
350°C

**Filter Efficiency**  
M6-F8

**Filter Class**  
ISO ePM10 / ISO ePM1

**Gasket**  
High Temperature Gasket

**Header Thickness**  
22 mm

**Separators**  
Microglass Fiber

---

**Part Number** | **EN 779:2012 Efficiency** | **ISO 16890 Class** | **Dimensions** | **Media Area (m²)** | **Air Flow (m³/h)** | **Pressure Drop (Pa)** | **Energy (***)**
--- | --- | --- | --- | --- | --- | --- | ---
MV4HT-287/592/292-6GHD2G | M6 | ISO ePM10 60% | Width (mm): 287 | Length (mm): 592 | Depth (mm): 292 | 7.0 | 1700 | 100 | E
MV4HT-492/592/292-6GHD2G | M6 | ISO ePM10 60% | Width (mm): 492 | Length (mm): 592 | Depth (mm): 292 | 12.0 | 2500 | 100 | E
MV4HT-592/592/292-6GHD2G | M6 | ISO ePM10 60% | Width (mm): 592 | Length (mm): 592 | Depth (mm): 292 | 15.0 | 3400 | 100 | E
MV4HT-287/592/292-8GHD2G | F8 | ISO ePM1 60% | Width (mm): 287 | Length (mm): 592 | Depth (mm): 292 | 7.0 | 1700 | 135 | C
MV4HT-492/592/292-8GHD2G | F8 | ISO ePM1 60% | Width (mm): 492 | Length (mm): 592 | Depth (mm): 292 | 12.0 | 2500 | 135 | C
MV4HT-592/592/292-8GHD2G | F8 | ISO ePM1 60% | Width (mm): 592 | Length (mm): 592 | Depth (mm): 292 | 15.0 | 3400 | 135 | C
MV4HT-305/610/400-6GHD2G | M6 | ISO ePM10 60% | Width (mm): 305 | Length (mm): 610 | Depth (mm): 400 | 11.0 | 1700 | 80 | C
MV4HT-490/610/400-6GHD2G | M6 | ISO ePM10 60% | Width (mm): 490 | Length (mm): 610 | Depth (mm): 400 | 18.0 | 2500 | 80 | C
MV4HT-610/610/400-6GHD2G | M6 | ISO ePM10 60% | Width (mm): 610 | Length (mm): 610 | Depth (mm): 400 | 22.0 | 3400 | 80 | C
MV4HT-305/610/400-8GHD2G | F8 | ISO ePM1 60% | Width (mm): 305 | Length (mm): 610 | Depth (mm): 400 | 11.0 | 1700 | 110 | B
MV4HT-490/610/400-8GHD2G | F8 | ISO ePM1 60% | Width (mm): 490 | Length (mm): 610 | Depth (mm): 400 | 18.0 | 2500 | 110 | B
MV4HT-610/610/400-8GHD2G | F8 | ISO ePM1 60% | Width (mm): 610 | Length (mm): 610 | Depth (mm): 400 | 22.0 | 3400 | 110 | B

---

* According to EN 779:2012  
** According to ISO 16890  
*** According to Eurovent 4/21-2014
MVHHT SERIES

- **Media**: Micro Glass Fiber
- **Separators**: Micro Glass Fiber
- **Frame**: Stainless Steel or Galvanized Steel
- **Sealant**: Silicone
- **Temperature Max**: 250°C
- **Final Pressure Drop**: 600 Pa

**Applications**
- Air conditioning systems
- Industrial processes

---

![250°C](image)

### Part Number | EN 779:2012 Efficiency | ISO 16890 Class | EN 1822 | Dimensions | Media Area | Air Flow | Pressure Drop (Pa)
--- | --- | --- | --- | --- | --- | --- | ---
MVHHT-610/610/292-5/6-7SN2SG | F7 | ISO ePM1 60% | - | Width (mm) 610 | Height (mm) 610 | Depth (mm) 292 | Area (m²) 22.0 | Flow (m³/h) 3400 | Drop (Pa) 85
MVHHT-610/610/292-5/6-8SN2SG | F8 | ISO ePM1 65% | - | Width (mm) 610 | Height (mm) 610 | Depth (mm) 292 | Area (m²) 22.0 | Flow (m³/h) 3400 | Drop (Pa) 90
MVHHT-610/610/292-5/6-9SN2SG | F9 | ISO ePM1 85% | - | Width (mm) 610 | Height (mm) 610 | Depth (mm) 292 | Area (m²) 22.0 | Flow (m³/h) 3400 | Drop (Pa) 110
MVHHT-610/610/292-5/6-10SN2SG | - | - | E10 | Width (mm) 610 | Height (mm) 610 | Depth (mm) 292 | Area (m²) 22.0 | Flow (m³/h) 2500 | Drop (Pa) 85
MVHHT-610/610/292-5/6-11SN2SG | - | - | E11 | Width (mm) 610 | Height (mm) 610 | Depth (mm) 292 | Area (m²) 22.0 | Flow (m³/h) 2500 | Drop (Pa) 110
MVHHT-610/610/292-5/6-12SN2SG | - | - | E12 | Width (mm) 610 | Height (mm) 610 | Depth (mm) 292 | Area (m²) 22.0 | Flow (m³/h) 2500 | Drop (Pa) 185
MVHHT-610/610/292-5/6-13SN2SG | - | - | H13 | Width (mm) 610 | Height (mm) 610 | Depth (mm) 292 | Area (m²) 22.0 | Flow (m³/h) 2500 | Drop (Pa) 240
MVHHT-610/610/292-5/6-14SN2SG | - | - | H14 | Width (mm) 610 | Height (mm) 610 | Depth (mm) 292 | Area (m²) 22.0 | Flow (m³/h) 2500 | Drop (Pa) 260
MPHT SERIES 30-78 mm

Media
Microglass Fiber

Frame
Extruded Aluminium, Galvanized Steel, Stainless Steel

Final Pressure Drop
450 Pa

Operating Temperature
350°C

Filter Efficiency*
M6-F8

Filter Class**
ISO ePM10 / ISO ePM1

Gasket
High Temperature Gasket

Protection Grid
Expanded Metal, Both Sides

Separators
Microglass Fiber

Applications
• Painting ovens

Advantages
• High efficiency
• Energy saver

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<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
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* According to EN 779:2012  ** According to ISO 16890
## MPHT SERIES 30-78 mm

### HIGH TEMPERATURE FILTERS

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* According to EN 779:2012 ** According to ISO 16890
## MASHT SERIES

**Media**
- Glassfiber

**Frame**
- Galvanized Steel

**Final Pressure Drop**
- 450 Pa

**Operating Temperature**
- 270°C

**Filter Efficiency***
- M6-F8

**Filter Class****
- ISO ePM10 / ISO ePM1

**Gasket**
- High Temperature Gasket

### Applications
- Automotive industry

### Advantages
- High efficiency
- High surface area

### Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>EN 779:2012 Efficiency</th>
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<th>Air Flow (m³/h)</th>
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<th>Air Flow (m³/h)</th>
<th>Pressure Drop (Pa)</th>
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* *According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014
### MASHT SERIES

#### HIGH TEMPERATURE FILTERS

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* According to EN 779:2012  ** According to ISO 16890  *** According to Eurovent 4/21-2014
## MV-ACP SERIES

**Media**
Active Carbon between Layers of Synthetic Media

**Frame**
Plastic (PS)

**Final Pressure Drop**
450 Pa

**Operating Temperature**
70°C

**Carbon Weight**
500 gr/m²

**Gasket**
Optional

**Sealant**
Polyurethane

### Applications
- Deodorization and purification of gaseous pollutants

### Advantages
- High air flow

### Part Number | EN 779:2012 Efficiency | Dimensions (mm) | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa)
--- | --- | --- | --- | --- | ---
MV-ACP-01 | - | 592 292 292 | 4.00 | 1700 | 75
MV-ACP-02 | - | 592 492 292 | 6.50 | 2800 | 75
MV-ACP-03 | - | 592 592 292 | 8.00 | 3400 | 75
MV-F7SMAC-01 | F7 | 592 292 292 | 4.00 | 1700 | 120
MV-F7SMAC-02 | F7 | 592 492 292 | 6.50 | 2800 | 120
MV-F7SMAC-03 | F7 | 592 592 292 | 8.00 | 3400 | 120
**ACTIVATED CARBON CARTRIDGES**

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<td>Gasket</td>
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**Applications**
- Absorption of odors and gases

---

**ACTIVATED CARBON HOUSINGS**

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# Activated Carbon V Cell Filters

- **Carbon Type**: ACG
- **Material**: Galvanized Steel
- **RH. Max**: 70%
- **Max Temperature**: 40°C
- **Sealant**: Polyurethane

**Applications**
- Absorption of odors and gases

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# Activated Carbon Panel Filters

- **Carbon Type**: ACG
- **Material**: Galvanized Steel
- **RH. Max**: 70%
- **Max Temperature**: 40°C

**Applications**
- Absorption of odors and gases

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EPA, HEPA & ULPA FILTERS
HFM SERIES ALUMINIUM PROFILE 47 mm

Media
Microglass Fiber

Frame
Extruded Anodized Aluminium

Final Pressure Drop
600 Pa

Operating Temperature
80°C

Filter Efficiency****
E10-U15

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)

<table>
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<th>Part Number</th>
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<th>Media Area</th>
<th>Air Flow</th>
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**** According to EN 1822
### HFM SERIES ALUMINIUM PROFILE 47 mm

#### EPA, HEPA & ULPA FILTERS

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**** According to EN 1822
## HFM SERIES  ALUMINIUM PROFILE 47 mm

### EPA, HEPA & ULPA FILTERS

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**** According to EN 1822
Media
Microglass Fiber

Frame
Extruded Anodized Aluminium

Final Pressure Drop
600 Pa

Operating Temperature
80°C

Filter Efficiency****
E10-U15

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)

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### Applications

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**** According to EN 1822
## HFR SERIES

### ALUMINIUM PROFILE 55 mm

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822
## HFR SERIES  ALUMINIUM PROFILE 55 mm

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822
HFN SERIES ALUMINIUM PROFILE 66 mm

EPA, HEPA & ULPA FILTERS

Media
Micerglass Fiber

Frame
Extruded Anodized Aluminium

Final Pressure Drop
600 Pa

Operating Temperature
80°C

Filter Efficiency****
E10-U15

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)

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**HFN SERIES**  ALUMINIUM PROFILE 66 mm

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**** According to EN 1822
**HFN SERIES**  ALUMINIUM PROFILE 70 mm

**EPA, HEPA & ULPA FILTERS**

- **Media** Microglass Fiber
- **Frame** Extruded Anodized Aluminium
- **Final Pressure Drop** 600 Pa
- **Operating Temperature** 80°C
- **Filter Efficiency**** E10-U15
- **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)

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 patria

mikropor
**HFN SERIES**  ALUMINIUM PROFILE 78 mm

**Media**
- Microglass Fiber

**Frame**
- Extruded Anodized Aluminium

**Final Pressure Drop**
- 600 Pa

**Operating Temperature**
- 80°C

**Filter Efficiency****
- E10-U15

**Gasket**
- Flat Neoprene

**Protection Grids**
- Painted Aluminium on Both Sides

**Separators**
- Hotmelt

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

---

**Part Number** | **Filter Class EN 1822** | **Dimensions** | **Media Area (m²)** | **Air Flow (m³/h)** | **Pressure Drop (Pa)**
--- | --- | --- | --- | --- | ---
HFN-305/305/78-10APBD2G | E10 | 305 | 305 | 78 | 2.6 | 150 | 50
HFN-457/457/78-10APBD2G | E10 | 457 | 457 | 78 | 5.8 | 335 | 50
HFN-457/610/78-10APBD2G | E10 | 457 | 610 | 78 | 7.8 | 450 | 50
HFN-305/610/78-10APBD2G | E10 | 305 | 610 | 78 | 5.2 | 300 | 50
HFN-610/610/78-10APBD2G | E10 | 610 | 610 | 78 | 10.4 | 600 | 50
HFN-610/915/78-10APBD2G | E10 | 610 | 915 | 78 | 15.6 | 900 | 50
HFN-610/1220/78-10APBD2G | E10 | 610 | 1220 | 78 | 20.8 | 1200 | 50
HFN-610/1524/78-10APBD2G | E10 | 610 | 1524 | 78 | 26.0 | 1500 | 50
HFN-610/1830/78-10APBD2G | E10 | 610 | 1830 | 78 | 31.2 | 1800 | 50
HFN-610/762/78-10APBD2G | E10 | 610 | 762 | 78 | 13.0 | 750 | 50
HFN-762/762/78-10APBD2G | E10 | 762 | 762 | 78 | 16.2 | 935 | 50
HFN-915/915/78-10APBD2G | E10 | 915 | 915 | 78 | 23.4 | 1350 | 50
HFN-915/1220/78-10APBD2G | E10 | 915 | 1220 | 78 | 31.2 | 1800 | 50

**E11**

HFN-305/305/78-11APBD2G | E11 | 305 | 305 | 78 | 2.6 | 150 | 70
HFN-457/457/78-11APBD2G | E11 | 457 | 457 | 78 | 5.8 | 335 | 70

**** According to EN 1822
### HFN SERIES
ALUMINIUM PROFILE 78 mm

#### EPA, HEPA & ULPA FILTERS

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**U15**

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HFN SERIES MDF 78 mm

- Media: Microglass Fiber
- Frame: MDF
- Final Pressure Drop: 600 Pa
- Operating Temperature: 80°C
- Filter Efficiency: E10-H14
- 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)

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**** According to EN 1822
### HFN SERIES MDF 78 mm

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822
### Part Number | Filter Class EN 1822 | Dimensions | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa) 
--- | --- | --- | --- | --- | --- 
HFN-610/762/78-13PD | H13 | 610 | 762 | 78 | 13,0 | 1550 | 250 
HFN-762/762/78-13PD | H13 | 762 | 762 | 78 | 16,2 | 1950 | 250 
HFN-915/915/78-13PD | H13 | 915 | 915 | 78 | 23,4 | 2800 | 250 
HFN-915/1220/78-13PD | H13 | 915 | 1220 | 78 | 31,2 | 3750 | 250 

#### H14 

| Part Number | Filter Class EN 1822 | Dimensions | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa) 
--- | --- | --- | --- | --- | --- 
HFN-305/305/78-14PD | H14 | 305 | 305 | 78 | 2,6 | 275 | 250 
HFN-457/457/78-14PD | H14 | 457 | 457 | 78 | 5,8 | 610 | 250 
HFN-457/610/78-14PD | H14 | 457 | 610 | 78 | 7,8 | 820 | 250 
HFN-305/610/78-14PD | H14 | 305 | 610 | 78 | 5,2 | 550 | 250 
HFN-610/610/78-14PD | H14 | 610 | 610 | 78 | 10,4 | 1100 | 250 
HFN-610/915/78-14PD | H14 | 610 | 915 | 78 | 15,6 | 1650 | 250 
HFN-610/1220/78-14PD | H14 | 610 | 1220 | 78 | 20,8 | 2200 | 250 
HFN-610/1524/78-14PD | H14 | 610 | 1524 | 78 | 26,0 | 2750 | 250 
HFN-610/1830/78-14PD | H14 | 610 | 1830 | 78 | 31,2 | 3300 | 250 
HFN-610/762/78-14PD | H14 | 610 | 762 | 78 | 13,0 | 1370 | 250 
HFN-762/762/78-14PD | H14 | 762 | 762 | 78 | 16,2 | 1700 | 250 
HFN-915/915/78-14PD | H14 | 915 | 915 | 78 | 23,4 | 2470 | 250 
HFN-915/1220/78-14PD | H14 | 915 | 1220 | 78 | 31,2 | 3300 | 250 

**** According to EN 1822
**HFN SERIES**  
**GEL SEAL 73 mm**

**Media**  
Microglass Fiber

**Frame**  
Extruded Anodized Aluminium

**Final Pressure Drop**  
600 Pa

**Operating Temperature**  
80°C

**Filter Efficiency******  
E10-U15

**Gasket**  
Gel

**Protection Grids**  
Painted Aluminium on Both Sides

**Separators**  
Hotmelt

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

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**EPA, HEPA & ULPA FILTERS**

**** According to EN 1822
### EPA, HEPA & ULPA FILTERS

#### HFN SERIES GEL SEAL 73 mm

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**NOVA Series**

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**** According to EN 1822
HFN SERIES  GEL SEAL 80 mm

Media  Microglass Fiber
Frame  Extruded Anodized Aluminium
Final Pressure Drop  600 Pa
Operating Temperature  80°C
Filter Efficiency****  E10-U15
Gasket  Gel
Protection Grids  Painted Aluminium on Both Sides
Separators  Hotmelt

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

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**** According to EN 1822

80 mm Aluminium Profile View
## HFN SERIES GEL SEAL 80 mm

### EPA, HEPA & ULPA FILTERS

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### HFP SERIES GEL SEAL 88 mm

#### Media
- Microglass Fiber

#### Frame
- Extruded Anodized Aluminium

#### Final Pressure Drop
- 600 Pa

#### Operating Temperature
- 80°C

#### Filter Efficiency****
- E10-U15

#### Gasket
- Gel

#### Protection Grids
- Painted Aluminium on Both Sides

#### Separators
- Hotmelt

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

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#### 88 mm Aluminium Profile View

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**** According to EN 1822
## HFP SERIES GEL SEAL 88 mm

### EPA, HEPA & ULPA FILTERS

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**According to EN 1822**
### HFP SERIES GEL SEAL 88 mm

**EPA, HEPA & ULPA FILTERS**

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**H14**

**U15**

**** According to EN 1822
# HFP SERIES GEL SEAL 104 mm

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

## Media
- Microglass Fiber

## Frame
- Extruded Anodized Aluminium

## Final Pressure Drop
- 600 Pa

## Operating Temperature
- 80°C

## Filter Efficiency****
- E10-U15

## Gasket
- Gel

## Protection Grids
- Painted Aluminium on Both Sides

## Separators
- Hotmelt

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**** According to EN 1822
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EPA, HEPA & ULPA FILTERS

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**** According to EN 1822
**HFP SERIES**  **GEL SEAL 104 mm**  

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822
HFP SERIES ALUMINIUM PROFILE 90 mm

Media
Microglass Fiber

Frame
Extruded Anodized Aluminium

Final Pressure Drop
600 Pa

Operating Temperature
80°C

Filter Efficiency****
E10-U15

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)

Part Number | Filter Class EN 1822 | Dimensions | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa)
--- | --- | --- | --- | --- | ---
| | Width (mm) | Length (mm) | Depth (mm) |

**E10**

HFP-305/305/90-10APD2G | E10 | 305 | 305 | 90 | 3.1 | 150 | 35
HFP-457/457/90-10APD2G | E10 | 457 | 457 | 90 | 7.0 | 335 | 35
HFP-457/610/90-10APD2G | E10 | 457 | 610 | 90 | 9.4 | 450 | 35
HFP-305/610/90-10APD2G | E10 | 305 | 610 | 90 | 6.2 | 300 | 35
HFP-610/610/90-10APD2G | E10 | 610 | 610 | 90 | 12.5 | 600 | 35
HFP-610/915/90-10APD2G | E10 | 610 | 915 | 90 | 18.7 | 900 | 35
HFP-610/1220/90-10APD2G | E10 | 610 | 1220 | 90 | 25.0 | 1200 | 35
HFP-610/1524/90-10APD2G | E10 | 610 | 1524 | 90 | 31.2 | 1500 | 35
HFP-610/1830/90-10APD2G | E10 | 610 | 1830 | 90 | 37.5 | 1800 | 35
HFP-610/762/90-10APD2G | E10 | 610 | 762 | 90 | 15.6 | 750 | 35
HFP-762/762/90-10APD2G | E10 | 762 | 762 | 90 | 19.5 | 935 | 35
HFP-915/915/90-10APD2G | E10 | 915 | 915 | 90 | 28.1 | 1350 | 35
HFP-915/1220/90-10APD2G | E10 | 915 | 1220 | 90 | 37.5 | 1800 | 35

**E11**

HFP-305/305/90-11APD2G | E11 | 305 | 305 | 90 | 3.1 | 150 | 45
HFP-457/457/90-11APD2G | E11 | 457 | 457 | 90 | 7.0 | 335 | 45

**** According to EN 1822
### EPA, HEPA & ULPA FILTERS

#### HFP SERIES ALUMINIUM PROFILE 90 mm

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**** According to EN 1822
## HFP SERIES ALUMINIUM PROFILE 90 mm

EPA, HEPA & ULPA FILTERS

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**** According to EN 1822
HFN SERIES ALUMINIUM PROFILE 150 mm

Media: Microglass Fiber
Frame: Extruded Anodized Aluminium
Final Pressure Drop: 600 Pa
Operating Temperature: 80°C
Filter Efficiency: E10-H14
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)

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| E11                         |                      | 305        | 305             | 150             | 2.6               | 150               | 70                |
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**** According to EN 1822
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**** According to EN 1822
### HFN SERIES ALUMINIUM PROFILE 150 mm

According to EN 1822

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822

**mikropor**

121
**HFN SERIES**  **MDF FRAME 150 mm**

- **Media**: Microglass Fiber
- **Frame**: MDF
- **Final Pressure Drop**: 600 Pa
- **Operating Temperature**: 80°C
- **Filter Efficiency****:** E10-H14
- **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**  | **Filter Class EN 1822** | **Dimensions** | **Media Area**  | **Air Flow** | **Pressure Drop**
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**E11**

- HFN-305/305/150-11PD | E11                      | 305           | 305            | 150         | 2.6         | 600   | 250|
- HFN-457/457/150-11PD | E11                      | 457           | 457            | 150         | 5.8         | 1350  | 250|

**** According to EN 1822
### HFN SERIES MDF FRAME 150 mm

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**** According to EN 1822
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*According to EN 1822*

### H14

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**HFP SERIES** ALUMINIUM PROFILE 150 mm

- **Media**: Microglass Fiber
- **Frame**: Extruded Anodized Aluminium
- **Final Pressure Drop**: 600 Pa
- **Operating Temperature**: 80°C
- **Filter Efficiency**: E10-U15
- **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)

![150 mm Aluminium Profile View](image)

**Media Area**

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***According to EN 1822***
### HFP SERIES ALUMINIUM PROFILE 150 mm

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822

www.mikropor.com
## HFP SERIES
**ALUMINIUM PROFILE 150 mm**

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822
HFP SERIES  MDF FRAME 150 mm

- Media: Microglass Fiber
- Frame: MDF
- Final Pressure Drop: 600 Pa
- Operating Temperature: 80°C
- Filter Efficiency: E10-H14
- 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)

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**** According to EN 1822
### HFP SERIES MDF FRAME 150 mm

#### EPA, HEPA & ULPA FILTERS

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**** According to EN 1822
# HFS SERIES  ALUMINIUM PROFILE 110 mm

**Media**
- Microglass Fiber

**Frame**
- Extruded Anodized Aluminium

**Final Pressure Drop**
- 600 Pa

**Operating Temperature**
- 80°C

**Filter Efficiency***
- E10-U15

**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)

## Media Area, Air Flow, Pressure Drop

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<tr>
<th>Part Number</th>
<th>Filter Class</th>
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<th>Media Area (m²)</th>
<th>Air Flow (m³/h)</th>
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*** According to EN 1822
## HFS SERIES ALUMINIUM PROFILE 110 mm

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822
### HFS SERIES ALUMINIUM PROFILE 110 mm

#### EPA, HEPA & ULPA FILTERS

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**** According to EN 1822
# HFS SERIES  ALUMINIUM PROFILE 150 mm

## EPA, HEPA & ULPA FILTERS

- **Media**: Microglass Fiber
- **Frame**: Extruded Anodized Aluminium
- **Final Pressure Drop**: 600 Pa
- **Operating Temperature**: 80°C
- **Filter Efficiency**: E10-U15
- **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)

### Part Number | Filter Class | Dimensions | Media Area | Air Flow | Pressure Drop
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**HFS SERIES** ALUMINIUM PROFILE 150 mm

**EPA, HEPA & ULPA FILTERS**

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**** According to EN 1822
### HFS SERIES ALUMINIUM PROFILE 150 mm

EPA, HEPA & ULPA FILTERS

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**** According to EN 1822
**HFS SERIES**  
**MDF FRAME 150 mm**

**Media**  
Microglass Fiber

**Frame**  
MDF

**Final Pressure Drop**  
600 Pa

**Operating Temperature**  
80°C

**Filter Efficiency****  
E10–H14

**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 Numbers

**E10**

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**** According to EN 1822
### HFS SERIES  
**MDF FRAME 150 mm**  

**EPA, HEPA & ULPA FILTERS**  

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**According to EN 1822**
## Part Number | Filter Class EN 1822 | Dimensions Width (mm) | Length (mm) | Depth (mm) | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa) |
--- | --- | --- | --- | --- | --- | --- | --- |
HFS-610/762/150-13PD | H13 | 610 | 762 | 150 | 22.5 | 2370 | 250 |
HFS-762/762/150-13PD | H13 | 762 | 762 | 150 | 28.1 | 2960 | 250 |
HFS-915/915/150-13PD | H13 | 915 | 915 | 150 | 40.5 | 4275 | 250 |
HFS-915/1220/150-13PD | H13 | 915 | 1220 | 150 | 54.0 | 5700 | 250 |

### H14

| Part Number | Filter Class EN 1822 | Dimensions Width (mm) | Length (mm) | Depth (mm) | Media Area (m²) | Air Flow (m³/h) | Pressure Drop (Pa) |
--- | --- | --- | --- | --- | --- | --- | --- |
HFS-305/305/150-14PD | H14 | 305 | 305 | 150 | 4.5 | 400 | 250 |
HFS-457/457/150-14PD | H14 | 457 | 457 | 150 | 10.1 | 900 | 250 |
HFS-457/610/150-14PD | H14 | 457 | 610 | 150 | 13.5 | 1200 | 250 |
HFS-305/610/150-14PD | H14 | 305 | 610 | 150 | 9.0 | 800 | 250 |
HFS-610/610/150-14PD | H14 | 610 | 610 | 150 | 18.0 | 1600 | 250 |
HFS-610/915/150-14PD | H14 | 610 | 915 | 150 | 27.0 | 2400 | 250 |
HFS-610/1220/150-14PD | H14 | 610 | 1220 | 150 | 36.0 | 3200 | 250 |
HFS-610/1524/150-14PD | H14 | 610 | 1524 | 150 | 44.9 | 4000 | 250 |
HFS-610/1830/150-14PD | H14 | 610 | 1830 | 150 | 54.0 | 4800 | 250 |
HFS-610/762/150-14PD | H14 | 610 | 762 | 150 | 22.5 | 2000 | 250 |
HFS-762/762/150-14PD | H14 | 762 | 762 | 150 | 28.1 | 2500 | 250 |
HFS-915/915/150-14PD | H14 | 915 | 915 | 150 | 40.5 | 3600 | 250 |
HFS-915/1220/150-14PD | H14 | 915 | 1220 | 150 | 54.0 | 4800 | 250 |

*** According to EN 1822
HFH SERIES MDF FRAME 292 mm

Media
- Microglass Fiber

Frame
- MDF

Final Pressure Drop
- 600 Pa

Operating Temperature
- 80°C

Filter Efficiency****
- E10-H14

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)

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| E11                             |                      |                 |                 |                 |                   |
| HFH-305/305/292-11PD           | E11                  | 305 305 292     | 5.6             | 800             | 250               |
| HFH-305/610/292-11PD           | E11                  | 305 610 292     | 11.2            | 1600            | 250               |
| HFH-457/610/292-11PD           | E11                  | 457 610 292     | 16.8            | 2400            | 250               |
| HFH-610/610/292-11PD           | E11                  | 610 610 292     | 22.4            | 3200            | 250               |

| E12                             |                      |                 |                 |                 |                   |
| HFH-305/305/292-12PD           | E12                  | 305 305 292     | 5.6             | 650             | 250               |
| HFH-457/457/292-12PD           | E12                  | 457 457 292     | 12.6            | 1500            | 250               |
| HFH-305/610/292-12PD           | E12                  | 305 610 292     | 11.2            | 1300            | 250               |
| HFH-457/610/292-12PD           | E12                  | 457 610 292     | 16.8            | 1950            | 250               |
| HFH-610/610/292-12PD           | E12                  | 610 610 292     | 22.4            | 2600            | 250               |

**** According to EN 1822
# HFH SERIES MDF FRAME 292 mm

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**** According to EN 1822
HFH SERIES SHEET METAL FRAME 292 mm

Media
Microglass Fiber

Frame
Galvanized Steel, Aluminium, Stainless Steel

Final Pressure Drop
600 Pa

Operating Temperature
80°C

Filter Efficiency****
E10-H14

Gasket
Flat Neoprene or 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)

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**** According to EN 1822
### HFH SERIES SHEET METAL FRAME 292 mm

#### EPA, HEPA & ULPA FILTERS

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**** According to EN 1822
HFX SERIES MDF FRAME 292 mm

Media
Microglass Fiber

Frame
MDF

Final Pressure Drop
600 Pa

Operating Temperature
80°C

Filter Efficiency****
E10-H14

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)

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**HFX SERIES**  SHEET METAL FRAME  292 mm

**EPA, HEPA & ULPA FILTERS**

- **Media**: Microglass Fiber
- **Frame**: Galvanized Steel, Aluminium, Stainless Steel
- **Final Pressure Drop**: 600 Pa
- **Operating Temperature**: 80°C
- **Filter Efficiency******: E10-H14
- **Gasket**: Flat Neoprene or 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)

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<tr>
<th>Part Number</th>
<th>Filter Class</th>
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<th>Media Area (m²)</th>
<th>Air Flow (m³/h)</th>
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**** According to EN 1822
### EPA, HEPA & ULPA FILTERS

#### HFX SERIES SHEET METAL FRAME 292 mm

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**** According to EN 1822
**MV HEPA SERIES**  PLASTIC FRAME  292 mm

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

**Advantages**
- Incinerable
- Rigid frame

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<th>Frame</th>
<th>Final Pressure Drop</th>
<th>Operating Temperature</th>
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<th>Gasket</th>
<th>Protection Grids</th>
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**** According to EN 1822
**MVH SERIES** **PLASTIC FRAME 292 mm**

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

**Advantages**
- Incinerable
- Light frame

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**** According to EN 1822
**MVH SERIES**  
**PLASTIC FRAME MAX. FLOW 292 mm**

**Media**  
Microglass Fiber

**Frame**  
Plastic (PS)

**Final Pressure Drop**  
600 Pa

**Operating Temperature**  
80°C

**Filter Efficiency****  
E10-H14

**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)

### Advantages
- High flow applications
- Incinerable
- Light frame

---

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<th>Air Flow (m³/h)</th>
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**** According to EN 1822
## MVH SERIES METAL FRAME 292 mm

- **Media**: Microglass Fiber
- **Frame**: Galvanized Steel, Aluminium, Stainless Steel
- **Final Pressure Drop**: 600 Pa
- **Operating Temperature**: 80°C
- **Filter Efficiency**: E10–H14
- **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)

### Advantages
- Strong frame

### Media Area, Air Flow, Pressure Drop

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<tr>
<th>Part Number</th>
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<th>Media Area (m²)</th>
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**** According to EN 1822
**MVH SERIES**

**METAL FRAME MAX. FLOW 292 mm**

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<th>Advantages</th>
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<td>Industrial processes (Pharmaceutical, Food, Microelectronics)</td>
<td>High flow applications</td>
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### Media
- Microglass Fiber

### Frame
- Galvanized Steel, Aluminium, Stainless Steel

### Final Pressure Drop
- 600 Pa

### Operating Temperature
- 80°C

### Filter Efficiency
- E10-H14

### Gasket
- Flat Neoprene or Half Round Endless Polyurethane

### Protection Grids
- Optional

### Separators
- Hotmelt

### Applications

- **Part Number**
- **Filter Class EN 1822**
- **Dimensions**
  - **Width (mm)**
  - **Length (mm)**
  - **Depth (mm)**
- **Media Area (m²)**
- **Air Flow (m³/h)**
- **Pressure Drop (Pa)**

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**** According to EN 1822
**MHH SERIES**  
**MICRO HOOD FILTER 125 mm**

- **Media**: Microglass Fiber  
- **Frame**: Extruded Anodized Aluminium  
- **Final Pressure Drop**: 600 Pa  
- **Operating Temperature**: 80°C  
- **Filter Efficiency**: E10-U15  
- **Collar Dimensions**: 150 mm, 200 mm, 250 mm, 300 mm, 400 mm  
- **Collar Height**: 65 mm  
- **Protection Grids**: Painted Aluminium on Downstream Side  
- **Separators**: Hotmelt  

**Applications**  
- Cleanroom applications  
- Laminar flow cabins  

**Advantages**  
- Adjustable air flow  

### Part Number  

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| MHH-610/1220/125-B200-14APD1G | H14  | 610 1220 125 | 200 20.8  | 1200 135 |

| U15          |            |             |            |          |              |
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| MHH-610/1220/125-B200-15APD1G | U15  | 610 1220 125 | 200 20.8  | 1200 155 |

**** According to EN 1822
MHH SERIES MICRO HOOD FILTER 150 mm

Media
Microglass Fiber

Frame
Extruded Anodized Aluminium

Final Pressure Drop
600 Pa

Operating Temperature
80°C

Filter Efficiency****
E10-U15

Collar Dimensions
150 mm, 200 mm, 250 mm, 300 mm, 400 mm

Collar Height
65 mm

Protection Grids
Painted Aluminium on Downstream Side

Separators
Hotmelt

Applications
• Cleanroom applications
• Laminar flow cabins

Advantages
• Adjustable air flow

Applications

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<th>Collar Dia.</th>
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<th>Air Flow (m³/h)</th>
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<td>200</td>
<td>20.8</td>
</tr>
<tr>
<td>U15</td>
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<td>150</td>
<td>200</td>
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</table>

**** According to EN 1822
HEPA HOUSING
**Applications**

- Ceiling diffusers for terminal filtration
- Cleanroom applications

**STC**
- Standard top ceiling

**DSW**
- Swirl diffusers

**D4D**
- 4-direction diffusers

**DP**
- Perforated diffusers

**Collar Dimensions**
- Ø150 mm, Ø200 mm, Ø250 mm

<table>
<thead>
<tr>
<th>Code</th>
<th>Dimensions of Filter</th>
<th>Collar Ø (mm)</th>
<th>Dimensions of HBOX (mm)</th>
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<tr>
<td>HBOX-457/457/70-STC-C200-DSW</td>
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<td>A 504, B 504, C 350, D 430, E 200</td>
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<tr>
<td>HBOX-535/535/70-STC-C250-DSW</td>
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**Collar Dimensions**
- Ø150 mm, Ø200 mm, Ø250 mm
HEPA HOUSING

Applications
- Ceiling diffusers for terminal filtration
- Cleanroom applications

LTC  Low top ceiling
DSW  Swirl diffusers
D4D  4-direction diffusers
DP   Perforated diffusers

Collar Dimensions  Ø150 mm, Ø200 mm, Ø250 mm

<table>
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LTC  Low top ceiling
DSW  Swirl diffusers
D4D  4-direction diffusers
DP   Perforated diffusers
### H-BOX SSC SERIES

**HEPA HOUSING**

- **SSC**: Standard side ceiling
- **DSW**: Swirl diffusers
- **D4D**: 4-direction diffusers
- **DP**: Perforated diffusers

**Collar Dimensions**: Ø150 mm, Ø200 mm, Ø250 mm

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Applications
• Ceiling diffusers for terminal filtration
• Cleanroom applications

LSC Low side ceiling
DSW Swirl diffusers
D4D 4-direction diffusers
DP Perforated diffusers

Collar Dimensions Ø150 mm, Ø200 mm, Ø250 mm

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<td>575</td>
<td>70/78</td>
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PRODUCT CODE DESCRIPTIONS

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MV4HT SERIES 169
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V FILTER SERIES 171
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MVH SERIES 174
## MPM SERIES

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<th>Depth (mm)</th>
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<th>Gasket</th>
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Note: All dimensions are in mm
* Customized

## MGP SERIES

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<th>Grid</th>
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<td>N</td>
<td>NG</td>
<td>S</td>
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<td></td>
<td></td>
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<td>95</td>
<td>KD</td>
<td>KD</td>
<td>1G</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>KU</td>
<td>KU</td>
<td>2G</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<td>KS</td>
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Note: All dimensions are in mm

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<th>Description</th>
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</tr>
<tr>
<td>*</td>
<td>Customized</td>
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<th>Description</th>
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<tr>
<td>KU</td>
<td>Up stream</td>
<td>Foam gasket</td>
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<td>KS</td>
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<td>Foam gasket</td>
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<th>Depth (mm)</th>
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<th>Frame</th>
<th>Gasket</th>
<th>Grid</th>
<th>Media Area</th>
<th>Handle</th>
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<td>PK</td>
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<td>NG</td>
<td>S</td>
<td>NT</td>
</tr>
<tr>
<td>*</td>
<td>*</td>
<td>**</td>
<td></td>
<td></td>
<td>PK</td>
<td>N</td>
<td>NG</td>
<td>*</td>
<td>NT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>G</td>
<td>D</td>
<td>1G</td>
<td>T</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>A</td>
<td>U</td>
<td>2G</td>
<td>2T</td>
<td></td>
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<td></td>
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<td>S</td>
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<td></td>
<td>BD</td>
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<td></td>
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<td>BS</td>
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**Note:** All dimensions are in mm
- *Customized
- **Plastic frame is available for 48, 96 and 150 mm depths**

### Frame Description

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<th>Description</th>
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</tr>
<tr>
<td>G</td>
<td>Galvanized</td>
</tr>
<tr>
<td>A</td>
<td>Aluminium</td>
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<tr>
<td>S</td>
<td>Stainless steel</td>
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### Media Area Description

<table>
<thead>
<tr>
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<tbody>
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<td>*</td>
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### Efficiency Description

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### Gasket Location

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<tr>
<td>D</td>
<td>Down stream</td>
<td>Half moon gasket</td>
</tr>
<tr>
<td>U</td>
<td>Up stream</td>
<td>Half moon gasket</td>
</tr>
<tr>
<td>S</td>
<td>Both side</td>
<td>Half moon gasket</td>
</tr>
<tr>
<td>BD</td>
<td>Down stream</td>
<td>EPDM flat gasket</td>
</tr>
<tr>
<td>BU</td>
<td>Up stream</td>
<td>EPDM flat gasket</td>
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<tr>
<td>BS</td>
<td>Both side</td>
<td>EPDM flat gasket</td>
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### Grid Location

<table>
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<tbody>
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<tr>
<td>1G</td>
<td>Down stream</td>
</tr>
<tr>
<td>2G</td>
<td>Both side</td>
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### Handle Description

<table>
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<td>T</td>
<td>Handle on one side</td>
</tr>
<tr>
<td>2T</td>
<td>Handle on both side</td>
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# MSKP SERIES

## PRODUCT CODE DESCRIPTIONS

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<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Depth (mm)</th>
<th>Efficiency</th>
<th>Frame</th>
<th>Gasket</th>
<th>Grid</th>
<th>Media Area</th>
<th>Handle</th>
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<td>42</td>
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<td>42</td>
<td>A</td>
<td>D</td>
<td>1G</td>
<td>*</td>
<td>T</td>
</tr>
<tr>
<td>3</td>
<td>S</td>
<td>U</td>
<td>2G</td>
<td>3</td>
<td>S</td>
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<td></td>
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</tbody>
</table>

**Frame Description**
- G: Galvanized
- A: Aluminium
- S: Stainless steel

**Efficiency Description**
- 32: G3, Zig-Zag pleated
- 42: G4, Zig-Zag pleated
- 3: G3, Plain
- 4: G4, Plain

**Gasket Location Type**
- N: No gasket
- D: Downstream Half moon gasket
- U: Upstream Half moon gasket
- S: Both side Half moon gasket
- BD: Downstream EPDM flat gasket
- BU: Upstream EPDM flat gasket
- BS: Both side EPDM flat gasket

**Grid Location**
- NG: No grid
- 1G: Downstream
- 2G: Both side

**Handle Description**
- NT: No handle
- T: Handle on one side
- 2T: Handle on both sides

**Mesh Type**
- ALMESH: Aluminium
- SMESH: Stainless steel

---

# MSKP MESH SERIES

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<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Depth (mm)</th>
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<td></td>
<td></td>
<td>S</td>
<td>SMESH</td>
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</table>

**Frame Description**
- A: Aluminium
- S: Stainless steel
- G: Galvanized

**Mesh Type**
- ALMESH: Aluminium
- SMESH: Stainless steel
## MPS - MPG SERIES

### PRODUCT CODE DESCRIPTIONS

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<td>H22</td>
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<td>N</td>
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**Note 1:** All dimensions are in mm  
**Note 2:** Pocket depths are available 150≤Depth≤915 mm  
* Customized

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<td>BS</td>
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## MPR SERIES

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**Note 1:** All dimensions are in mm  
**Note 2:** Pocket depths are available 150≤Depth≤620 mm  
* Customized
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### Frame Description
- PK: Plastic
- G: Galvanized
- A: Aluminium
- S: Stainless steel
- P: MDF
- K: Cardboard

### Media Area Description
- S: Standard
- *: Customized

### Gasket Location Type
- N: No gasket
- D: Down stream Moulded gasket
- U: Up stream Moulded gasket
- S: Both side Moulded 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 one side
- 2T: Handle on both side

### Note: All dimensions are in mm
- * Customized
- ** Plastic frame is available for 48, 96 and 150 mm depths
- *** Depth≥23 mm

## MPHT SERIES

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### Frame Description
- AP: Aluminium profile
- G: Galvanized
- S: Stainless steel

### Handle Description
- NT: No handle
- T: Handle

### Note: All dimensions are in mm
- * Customized: Available for G and S frame types
### MC SERIES

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**Note:** All dimensions are in mm

* Customized

** 130 mm for Plastic Frame

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**Note:** All dimensions are in mm

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## MAS - MASHT SERIES

### PRODUCT CODE DESCRIPTIONS

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**Note:** All dimensions are in mm

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<td>Y</td>
<td>H25</td>
<td>03</td>
</tr>
<tr>
<td>MV</td>
<td>M5</td>
<td>01</td>
<td>A</td>
<td>S</td>
<td>N</td>
<td>NPG</td>
<td>NY</td>
<td>H20</td>
<td></td>
</tr>
<tr>
<td>MVEE</td>
<td>M6</td>
<td>02</td>
<td>P</td>
<td>*</td>
<td>D</td>
<td>PG</td>
<td>Y</td>
<td>H25</td>
<td></td>
</tr>
<tr>
<td>MW</td>
<td>F7</td>
<td>03</td>
<td>P</td>
<td>U</td>
<td>2PG</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVX</td>
<td>F8</td>
<td>04</td>
<td>S</td>
<td>RPG</td>
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<tr>
<td>E10</td>
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<td>H13</td>
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<tr>
<td>H14</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Frame Code Dims. (mm)

<table>
<thead>
<tr>
<th>Code</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>287x592</td>
</tr>
<tr>
<td>02</td>
<td>492x592</td>
</tr>
<tr>
<td>03</td>
<td>592x592</td>
</tr>
<tr>
<td>04</td>
<td>402x592</td>
</tr>
</tbody>
</table>

#### Media Area

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Standard</td>
</tr>
<tr>
<td>*</td>
<td>Customized</td>
</tr>
</tbody>
</table>

#### Fully Potted

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NY</td>
<td>No fully potted</td>
</tr>
<tr>
<td>Y</td>
<td>Fully potted</td>
</tr>
</tbody>
</table>

#### Frame

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Plastic</td>
</tr>
<tr>
<td>P</td>
<td>HT plastic (max 120°C)</td>
</tr>
</tbody>
</table>

#### Frame Color

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>Grey</td>
</tr>
</tbody>
</table>

#### Grid Location

<table>
<thead>
<tr>
<th>Grid</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPG</td>
<td>No grid</td>
<td>-</td>
</tr>
<tr>
<td>PG</td>
<td>Down stream</td>
<td>8 pcs on the cartridge</td>
</tr>
<tr>
<td>2PG</td>
<td>Up stream</td>
<td>2 pcs on the outside cartridge</td>
</tr>
<tr>
<td>RPG</td>
<td>Down stream</td>
<td>8 pcs on the cartridge</td>
</tr>
</tbody>
</table>

#### Header

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H20</td>
<td>20 mm</td>
</tr>
<tr>
<td>H25</td>
<td>25 mm</td>
</tr>
</tbody>
</table>

**Note:** All dimensions are in mm.
## HEPA SERIES

### PRODUCT CODE DESCRIPTIONS

<table>
<thead>
<tr>
<th>Type</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Depth (mm)</th>
<th>Efficiency</th>
<th>Frame</th>
<th>Gasket</th>
<th>Grid</th>
<th>Media Area</th>
<th>Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFN</td>
<td>610</td>
<td>610</td>
<td>78</td>
<td>14</td>
<td>AP</td>
<td>D</td>
<td>2G</td>
<td>S</td>
<td>NT</td>
</tr>
<tr>
<td>HFM</td>
<td>*</td>
<td>*</td>
<td>**</td>
<td>10</td>
<td>AP</td>
<td>N</td>
<td>NG</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>HFR</td>
<td>11</td>
<td>G</td>
<td>D</td>
<td>1G</td>
<td>*</td>
<td>NT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFN</td>
<td>12</td>
<td>S</td>
<td>U</td>
<td>2G</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFP</td>
<td>13</td>
<td>P</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFS</td>
<td>14</td>
<td>A</td>
<td>BD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFH</td>
<td>15</td>
<td></td>
<td>BU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFU</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Note:
- All dimensions are in mm
- * Customized
- ** 47, 55, 66, 70, 78, 90, 110 and 150 mm for Aluminium Profile

<table>
<thead>
<tr>
<th>Type</th>
<th>Pleat Length (mm)</th>
</tr>
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<tbody>
<tr>
<td>HFM</td>
<td>25</td>
</tr>
<tr>
<td>HFR</td>
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</tr>
<tr>
<td>HFN</td>
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<td>HFP</td>
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<tr>
<td>HFS</td>
<td>100</td>
</tr>
<tr>
<td>HFH</td>
<td>135</td>
</tr>
<tr>
<td>HFX</td>
<td>150</td>
</tr>
<tr>
<td>HFU</td>
<td>Customized</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP</td>
<td>Aluminium profile</td>
</tr>
<tr>
<td>G</td>
<td>Galvanized</td>
</tr>
<tr>
<td>S</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>P</td>
<td>MDF</td>
</tr>
<tr>
<td>A</td>
<td>Aluminium sheet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gasket</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>No gasket</td>
<td>-</td>
</tr>
<tr>
<td>D</td>
<td>Down stream</td>
<td>Moulded gasket</td>
</tr>
<tr>
<td>U</td>
<td>Up stream</td>
<td>Moulded gasket</td>
</tr>
<tr>
<td>S</td>
<td>Both side</td>
<td>Moulded gasket</td>
</tr>
<tr>
<td>BD</td>
<td>Down stream</td>
<td>Neoprene or EPDM flat gasket</td>
</tr>
<tr>
<td>BU</td>
<td>Up stream</td>
<td>Neoprene or EPDM flat gasket</td>
</tr>
<tr>
<td>BS</td>
<td>Both side</td>
<td>Neoprene or EPDM flat gasket</td>
</tr>
<tr>
<td>J</td>
<td>In channel</td>
<td>Gel gasket available on aluminium profiles 66, 73, 80, 88 and 104 mm</td>
</tr>
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<table>
<thead>
<tr>
<th>Media Area</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Standard</td>
</tr>
<tr>
<td>*</td>
<td>Customized</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Handle</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT</td>
<td>No handle</td>
</tr>
<tr>
<td>T</td>
<td>Handle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grid</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>NG</td>
<td>No grid</td>
</tr>
<tr>
<td>1G</td>
<td>Down stream</td>
</tr>
<tr>
<td>2G</td>
<td>Both side</td>
</tr>
<tr>
<td>Type</td>
<td>Width (mm)</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
</tr>
<tr>
<td>MHH</td>
<td>610</td>
</tr>
<tr>
<td></td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note 1: All dimensions are in mm
Note 2: Width≥295 Height≥295

<table>
<thead>
<tr>
<th>Media Area</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>S</td>
<td>Standard</td>
</tr>
<tr>
<td>*</td>
<td>Customized</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grid</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>NG</td>
<td>No grid</td>
</tr>
<tr>
<td>1G</td>
<td>Down stream</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Damper</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>No damper</td>
</tr>
<tr>
<td>D</td>
<td>Damper</td>
</tr>
<tr>
<td>BFD</td>
<td>Butterfly damper</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Handle</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT</td>
<td>No handle</td>
</tr>
<tr>
<td>2T</td>
<td>Handle top side</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frame</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP</td>
<td>Aluminium Profile available for 125 and 150 mm</td>
</tr>
<tr>
<td>A</td>
<td>Aluminium sheet</td>
</tr>
<tr>
<td>G</td>
<td>Galvanized</td>
</tr>
<tr>
<td>S</td>
<td>Stainless steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Collar Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>1 Pc</td>
</tr>
<tr>
<td>2B</td>
<td>2 Pcs</td>
</tr>
<tr>
<td>3B</td>
<td>3 Pcs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gasket</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Down stream</td>
</tr>
</tbody>
</table>
## MVH SERIES

### PRODUCT CODE DESCRIPTIONS

<table>
<thead>
<tr>
<th>Type</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Depth (mm)</th>
<th>Cell</th>
<th>Efficiency</th>
<th>Frame</th>
<th>Gasket</th>
<th>Grid</th>
<th>Media Area</th>
<th>Handle</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVH</td>
<td>610</td>
<td>610</td>
<td>292</td>
<td>5/6</td>
<td>14</td>
<td>G</td>
<td>D</td>
<td>NG</td>
<td>S</td>
<td>NT</td>
<td>00</td>
</tr>
<tr>
<td>MVH</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>3/4</td>
<td>6</td>
<td>G</td>
<td>N</td>
<td>NG</td>
<td>S</td>
<td>NT</td>
<td>00</td>
</tr>
<tr>
<td>MV</td>
<td>4/5</td>
<td>8</td>
<td>PK</td>
<td>5/6</td>
<td>8</td>
<td>PK</td>
<td>U</td>
<td>2G</td>
<td>T</td>
<td>02</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Frame</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>Galvanized</td>
</tr>
<tr>
<td>MG</td>
<td>HT max 120°C</td>
</tr>
<tr>
<td>S</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>PK</td>
<td>Plastic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Media Area</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Standard</td>
</tr>
<tr>
<td>*</td>
<td>Customized</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Galvanized or SS frame</td>
</tr>
<tr>
<td>02</td>
<td>Black</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gasket</th>
<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>No gasket</td>
<td>-</td>
</tr>
<tr>
<td>D</td>
<td>Down stream</td>
<td>Moulded gasket</td>
</tr>
<tr>
<td>U</td>
<td>Up stream</td>
<td>Moulded gasket</td>
</tr>
<tr>
<td>S</td>
<td>Both side</td>
<td>Moulded gasket</td>
</tr>
<tr>
<td>BD</td>
<td>Down stream</td>
<td>EPDM flat gasket</td>
</tr>
<tr>
<td>BU</td>
<td>Up stream</td>
<td>EPDM flat gasket</td>
</tr>
<tr>
<td>BS</td>
<td>Both side</td>
<td>EPDM flat gasket</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grid</th>
<th>Location</th>
<th>Handle</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NG</td>
<td>No grid</td>
<td>NT</td>
<td>No handle</td>
</tr>
<tr>
<td>1G</td>
<td>Down stream</td>
<td>T</td>
<td>Handle on side</td>
</tr>
<tr>
<td>2G</td>
<td>Both side</td>
<td>2T</td>
<td>Handle on both side</td>
</tr>
</tbody>
</table>

### Frame Description

- **G**: Galvanized
- **MG**: HT max 120°C
- **S**: Stainless steel
- **PK**: Plastic

### Gasket Location

- **N**: No gasket
- **D**: Down stream
- **U**: Up stream
- **S**: Both side
- **BD**: Down stream
- **BU**: Up stream
- **BS**: Both side

### Media Area Description

- **S**: Standard
- *****: Customized

### Color Description

- **00**: Galvanized or SS frame
- **02**: Black