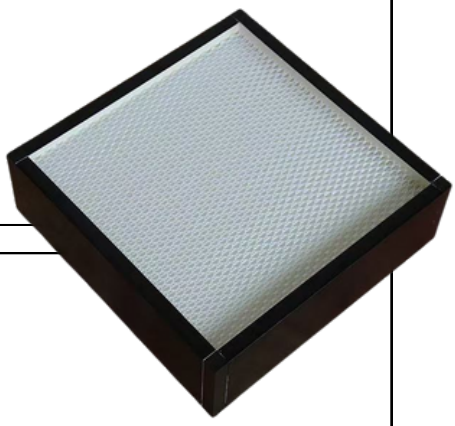
AMORAIR

Mini-Pleated Filter

(AG-MP)



- Compact design
- Mini-pleated filtration with no separators
- Energy efficient with low pressure drop
- Easy installation
- Various sealing options
- Available for custom sizes
- Efficiency: MERV 11 through ULPA

The Amorair Mini-Pleated Filter series is specifically engineered to meet the highest standards for indoor air quality. These filters are widely utilized across industries such as semiconductors, pharmaceuticals, and life sciences.

Designed for versatility, Mini-Pleated Filters serve as terminal filters in cleanrooms to effectively control particulate matter. They are also commonly integrated into cleanroom equipment, including fan filter units and laminar flow hoods, ensuring optimal performance in controlled environments.

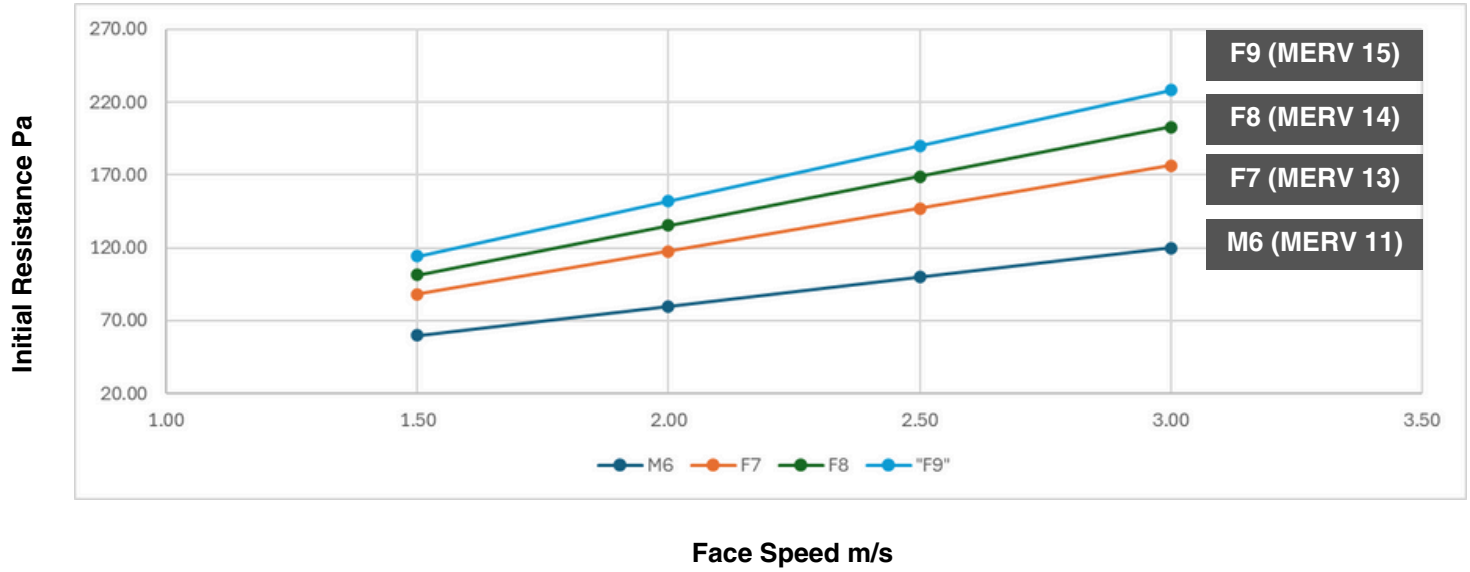
Filter Depth (mm)	Rated Face Speed m/s	Initial Resistance Pa (M6)	Initial Resistance Pa (F7)	Initial Resistance Pa (F8)	Initial Resistance Pa (F9)	Recommend Final Resistance Pa
70	1.0	90	110	122	145	300
95	2.5	100	147	169	190	350
100	2.5	100	147	169	190	350

Filter Depth (inch)	Rated Face Speed FPM	Initial Resistance in W.G. (95% DOP)	Initial Resistance in W.G. (99.95%)	Initial Resistance in W.G. (99.995%)	Initial Resistance in W.G. (99.9995%)	Initial Resistance in W.G. (99.99995%)
2.75	196	0.36	0.44	0.48	0.58	1.2
3.75	492	0.40	0.59	0.68	0.76	1.4
4	492	0.40	0.59	0.68	0.76	1.4

1. Performance Initial Resistance Tolerance: ±10% 2. Custom Sizes Available

Performance Data

Initial Resistance vs. Air Velocity, 95mm (3.75 inch) Depth with double-sided faceguard



AMORAIR

Clean Air, Clear Choice

Part Number Configuration

AGMP M06 61061070 S 3 PL 0 A

(1) (2) (3) (4)(5) (6) (7)(8)

(1) Model Number: AG-MP	**(5) Faceguard:** 0: None, 1: Upstream, 2: Downstream, 3: Both side
(2) Efficiency EN779 / EN 1822: M06, F07, E10, E12, H13, H14, U15, U16	**(6) Frame Media:** GS: Galvanized Steel, SS: Stainless Steel, AL: Aluminum, PL: Plastic
(3) Dimensions: Width * Height * Depth (Unit MM) 610*610*70 (Example)	**(7) Gasket:** 0: None, 1: Upstream, 2: Downstream, 3: Both side
(4) Filter Media: G: Glass Fiber S: Synthetic	**(8) Seal design:** A: Gasket, B: Top gel-seal, C: Side gel-seal, D: Knife-edge

<table>
<tr><td colspan="4">Ashare MERV</td><td colspan="4">ISO 16890: 2016</td><td>EN</td><td colspan="3">EN779</td><td>EN1822</td></tr>
<tr><td></td><td colspan="3">Composite Average Oarticle Size Efficiency (Em) % in Size Range Um</td><td colspan="2">Average of initial and discharged efficiency Em=(Ei+Ed)/2</td><td>Initial Efficiency(Ei)</td><td>Initial Arrestance (Am)</td><td></td><td>Average Arrestance (Am) of Synthetic Dust</td><td>Average Efficiency (Em) at 0.4um</td><td>Minimum Efficiency (Em) at 0.4Um</td><td>Initial Efficiency (Ei) at MPPS (Typically 0.08-0.15um)</td></tr>
<tr><td></td><td>Range 1</td><td>Range 2</td><td>Range 3</td><td>ePM1%</td><td>ePM2.5%</td><td>ePM10%</td><td>Coarse</td><td></td><td>Test Final dP 250 Pa</td><td colspan="2">Test final dP 450 Pa</td><td></td></tr>
<tr><td></td><td>0.3-1.0</td><td>1.0-3.0</td><td>3.0-10.0</td><td>0.3-1.0</td><td>1.0-3.0</td><td>3.0-10.0</td><td>ISO Fine Dust</td><td></td><td>%</td><td>%</td><td>%</td><td>%</td></tr>
<tr><td>1</td><td></td><td></td><td>Em<20</td><td colspan="3"></td><td rowspan="4">Am<50 Final dP 200Pa</td><td>G1</td><td>50<=Am<=65</td><td></td><td></td><td></td></tr>
<tr><td>2</td><td></td><td></td><td>Em<20</td><td colspan="3" rowspan="3"></td><td rowspan="3">G2</td><td rowspan="3">65<=Am<=80</td><td></td><td></td><td></td></tr>
<tr><td>3</td><td></td><td></td><td>Em<20</td><td></td><td></td><td></td></tr>
<tr><td>4</td><td></td><td></td><td>Em<20</td><td></td><td></td><td></td></tr>
<tr><td>5</td><td></td><td></td><td>Em<20</td><td colspan="3" rowspan="4"></td><td rowspan="4">Am>=50 Final dP 200Pa</td><td rowspan="2">G3</td><td rowspan="2">80<=Am<=90</td><td></td><td></td><td></td></tr>
<tr><td>6</td><td></td><td></td><td>Em>=20</td><td></td><td></td><td></td></tr>
<tr><td>7</td><td></td><td></td><td>Em>=50</td><td rowspan="2">G4</td><td rowspan="2">Am<=90</td><td></td><td></td><td></td></tr>
<tr><td>8</td><td></td><td>Em>=20</td><td>Em>=70</td><td></td><td></td><td></td></tr>
<tr><td>9</td><td></td><td>Em>=35</td><td>Em>=75</td><td colspan="2" rowspan="2"></td><td rowspan="2">Ei>50</td><td rowspan="2"></td><td rowspan="2">M5 (F5)</td><td rowspan="2"></td><td rowspan="2">40<=Em<=60</td><td rowspan="2"></td><td></td></tr>
<tr><td>10</td><td></td><td>Em>=50</td><td>Em>=80</td><td></td></tr>
<tr><td>11</td><td>Em>=20</td><td>Em>=65</td><td>Em>=85</td><td rowspan="2"></td><td rowspan="2">Em>=50</td><td rowspan="2">Ei>70</td><td rowspan="2"></td><td rowspan="2">M6</td><td rowspan="2"></td><td rowspan="2">60<=Em<=80</td><td rowspan="2"></td><td></td></tr>
<tr><td>12</td><td>Em>=35</td><td>Em>=80</td><td>Em>=90</td><td></td></tr>
<tr><td>13</td><td>Em>=50</td><td>Em>=85</td><td>Em>=90</td><td>Em>50</td><td>Em>65</td><td>Ei>80</td><td></td><td>F7</td><td></td><td>80<=Em<=90</td><td>Emin>=35</td><td></td></tr>
<tr><td>14</td><td>Em>=75</td><td>Em>=90</td><td>Em>=95</td><td>Em>70</td><td>Em>80</td><td>Ei>90</td><td></td><td>F8</td><td></td><td>90<=Em<=95</td><td>Emin>=55</td><td></td></tr>
<tr><td>15</td><td>Em>=85</td><td>Em>=90</td><td>Em>=95</td><td rowspan="3">Em>80</td><td colspan="3" rowspan="3"></td><td>F9</td><td></td><td>95<=Em</td><td>Emin>=70</td><td></td></tr>
<tr><td rowspan="2">16</td><td rowspan="2">Em>=95</td><td rowspan="2">Em>=95</td><td rowspan="2">Em>=95</td><td>E10</td><td colspan="3"></td><td rowspan="2">Ei>=85</td></tr>
<tr><td>E11</td><td colspan="3"></td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E12</td><td colspan="3"></td><td>Ei>=99.5</td></tr>
<tr><td>HEPA</td><td rowspan="4">N/A</td><td rowspan="4">N/A</td><td rowspan="4">N/A</td><td rowspan="4">N/A</td><td rowspan="4">N/A</td><td rowspan="4">N/A</td><td rowspan="4">N/A</td><td>H13</td><td colspan="3"></td><td>Ei>=99.95</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>H14</td><td colspan="3"></td><td>Ei>=99.995</td></tr>
<tr><td rowspan="2">ULPA</td><td></td><td></td><td></td><td></td><td></td><td></td><td>U15</td><td colspan="3"></td><td>Ei>=99.9995</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>U16</td><td colspan="3"></td><td>Ei>=99.99995</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>U17</td><td colspan="3"></td><td>Ei>=99.999995</td></tr>
</table>

AMORAIR

Clean Air, Clear Choice