The PREpleat M13 pleated filter has a low initial resistance and supports achievement of LEED® credits by significantly improving Indoor Air Quality (IAQ) and reducing energy consumption.

The PREpleat M13 filter provides an initial efficiency of MERV 13 per ASHRAE Standard 52.2 at a resistance of only .20” w.g. (2” depth) when operating at airflow velocity of 375 FPM—and only 0.30” at 500 FPM.

Superior Design and Construction

**Media:** 100% non-woven synthetic media manufactured from recyclable material.

**Media Support:** Diamond-shaped expanded metal maintains maximum support while avoiding air bypass.

**Pleat Design:** V-Pleat design minimizes resistance, keeping consistent pleat count, height, and shape.

**Frame:** Heavy-duty two-piece moisture-resistant frame includes diagonal and horizontal support members bonded to the media on the air entering and leaving sides. This is a durable frame for any commercial and industrial application.

**Operating Temperature Limits:** Maximum operating temperature is 180°F (82°C).

Applications

PREpleat M13 filters are designed for general air filtration in all types of cooling, heating, and ventilating systems. They can be used as prefilters to extend the life of higher efficiency filters or on their own. They are suitable for installation in front access holding frames and side access housings. These filters are excellent for upgrading from disposable panel filters, permanent filters, or media pads in metal frames where a higher level of cleaning is desired.
### Performance Data

<table>
<thead>
<tr>
<th>Filter</th>
<th>Pleats Per Linear Foot</th>
<th>Rated Initial Resistance (in. w.g.)</th>
<th>Recommended Final Resistance (in. w.g.)</th>
<th>ASHRAE 52.2 MERV</th>
<th>Continuous Operating Temperature Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; PREpleat M13</td>
<td>15</td>
<td>.25</td>
<td>1.0</td>
<td>13</td>
<td>180°F (82°C)</td>
</tr>
<tr>
<td>2&quot; PREpleat M13</td>
<td>15</td>
<td>.16</td>
<td>1.0</td>
<td>13</td>
<td>180°F (82°C)</td>
</tr>
<tr>
<td>4&quot; PREpleat M13</td>
<td>9</td>
<td>.10</td>
<td>1.0</td>
<td>13</td>
<td>180°F (82°C)</td>
</tr>
</tbody>
</table>

All performance data based on ASHRAE Standard 52.2. Performance tolerance conforms to Section 6.4 of ANSI/AHRI Standard 850-2013.

Underwriters Laboratories Classification – PREpleat M13 filters are UL Classified. Testing was performed according to UL Standard 900.

### Composite Minimum Efficiency Curve

Energy savings may be realized by operating the PREpleat M13 filters to a lower final resistance. Contact your local AAF Flanders representative for a Total Cost of Ownership analysis for your specific application.

### Initial Resistance vs. Filter Face Velocity

PREpleat® is a registered trademark of Flanders Corporation in the U.S.