The patented, compact Micromag magnetic filter can benefit many different industries.

Contaminated fluid enters the inlet port where it is dispersed by the unique tapered radial flow channels. Fluid passes down the outside of the centrally mounted rare earth magnetic core which captures contamination particles along its length, resulting in excellent filtration efficiency.

The geometry of the magnetic flux circuit means that contamination builds up in a controlled way, ensuring that the filter can never block, irrespective of how much contamination is held. Channels remain open allowing fluid to continue to flow freely.

The filtered fluid flows through the return slots located in the upper section of the magnetic core, down through the centre and exits through the outlet port.

**Cleaning**
Using the supplied cleaning tool, a fully contaminated core can be cleaned in under 30 seconds. Only metallic particles are removed from the filter and these can be easily disposed. There are no dirty cartridges!

**Suitable Products**
Neat and soluble oils.

**Installation Location**
Pre- or post-pump, delivery line or pre-membrane cartridge.

**Benefits**
- Sub-micron filtration
- Large holding capacity
- High intensity rare earth magnetic material
- Clear bowl
- Suitable for all machining applications
- Environmentally responsible
- No consumables

**Category**
Medium pressure.
<table>
<thead>
<tr>
<th>Product number</th>
<th>Flow rate</th>
<th>Contamination capacity</th>
<th>Max. operating pressure</th>
<th>Connection</th>
<th>Temperature range</th>
<th>Construction</th>
<th>Dimensions inches</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gallons/min</td>
<td>lbs</td>
<td>psi</td>
<td>NPT (in)</td>
<td>F</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>MM5 /1.0</td>
<td>16</td>
<td>2.2</td>
<td>174</td>
<td>1</td>
<td>41-122</td>
<td>SAN housing, aluminum lid</td>
<td>7.5</td>
</tr>
<tr>
<td>MM10 /1.0</td>
<td>26</td>
<td>4.4</td>
<td>174</td>
<td>1</td>
<td>41-122</td>
<td></td>
<td>12.4</td>
</tr>
<tr>
<td>MM20 /1.5</td>
<td>40</td>
<td>8.8</td>
<td>174</td>
<td>1½</td>
<td>41-122</td>
<td></td>
<td>23.9</td>
</tr>
</tbody>
</table>

**Performance**

**Maximum Pressure**
174 psi

**Magnetic Performance**
High intensity

**Circuit Design**
Open

**Magnetic Material**
rare earth neodymium iron boron

**Magnet Grade**
N45 – Inspected & confirmed via hysteregraph prior to use

**Temperature**
41 – 122°F

**Materials**

**Housing**
Styrene Acrylo Nitrile (SAN)

**Lid**
Marine grade aluminum, anodised blue

**Magnetic Core**
304 Grade stainless steel

**Sealing**
Nitrile O-ring

**Options**

Viton O-ring
Bowl spanner
Core cleaning post
Mounting bracket
Port adaptors

If you have any more questions, require technical assistance and would like a quotation, simply contact us.

Providing Machine Tool Coolant Filtration and Handling Solutions Since 1962 !

While every effort has been made to ensure the accuracy of the information in this publication please note that specifications may change without notice.

www.mscfiltertech.com  sales@mscfiltertech.com

MSC FILTRATION TECHNOLOGIES
FILTRATION EQUIPMENT • PUMPS • SERVICE
198 Freshwater Blvd, Enfield CT 06082
(860)-745-7475  Fax (860)-745-7477  Cell (860)-930-6205

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