

The Micromag HP/50 has all the same benefits of the standard Micromag but has been developed to suit high pressure through spindle-coolant applications, where the smallest of particles can damage seals, spindles and even reduce the efficiency of the cutting tool.

Micromag HP/50 can be installed anywhere in the fluid delivery system and will ensure that even sub-micron magnetic and para-magnetic particles are removed before they can cause any expensive damage.

For further information relating to the benefits and operation of the Micromag HP/50 please refer to the supplied standard Micromag brochure.

### 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 & soluble oils.

### Installation Location

Pre or post pump, delivery line, spindle feed or pre membrane cartridge.

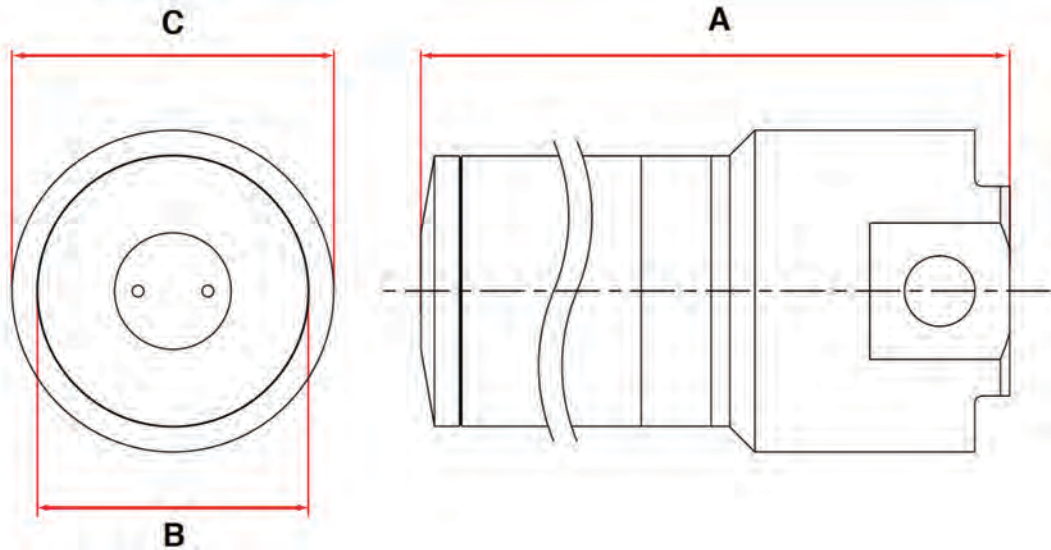
### Benefits

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

### Category

High Pressure.





## Product Information

| Product number | Flow rate<br>ltrs/min. | Contamination capacity<br>kgs | Max. operating pressure<br>bar | Connection<br>* BSP | Temperature range<br>°C | Weight<br>kgs | Construction               | Dimensions<br>mm |     |     |
|----------------|------------------------|-------------------------------|--------------------------------|---------------------|-------------------------|---------------|----------------------------|------------------|-----|-----|
|                |                        |                               |                                |                     |                         |               |                            | A                | B   | C   |
| MM5/HP/50      | 70                     | 1                             | 50                             | 1                   | 0 – 140                 | 6.27          | Full aluminum construction | 247              | 116 | 125 |
| MM10/HP/50     | 100                    | 2                             | 50                             | 1                   | 0 – 140                 | 8.4           |                            | 365              | 116 | 125 |
| MM20/HP/50     | 150                    | 4                             | 50                             | 1½                  | 0 – 140                 | 21.5          |                            | 625              | 116 | 125 |

## Performance

|                              |   |
|------------------------------|---|
| <b>Maximum Pressure</b>      | 50 Bar  |
| <b>Magnetic Performance:</b> | High Intensity  |
| <b>Circuit Design:</b>       | Open  |
| <b>Magnetic Material:</b>    | Rare Earth Neodymium Iron Boron                         |
| <b>Magnet Grade:</b>         | N45 – Inspected & confirmed via hystergaph prior to use |
| <b>Temperature:</b>          | 0 - 140°C   |

## Materials

|                 |                              |
|-----------------|------------------------------|
| <b>Housing:</b> | Aluminium                    |
| <b>Lid:</b>     | Aluminium                    |
| <b>Tube:</b>    | 304 Grade stainless steel    |
| <b>Surface:</b> | Finish Machined and anodised |
| <b>Sealing:</b> | Viton O-ring                 |

## Options

- Core cleaning post
- Mounting bracket
- Port adaptors

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

Contact Eclipse Magnetics Authorised Distributor



**African Group Lubricants**  
011 824 0560 [www.aglubricants.co.za](http://www.aglubricants.co.za)  
[orders@aglubricants.co.za](mailto:orders@aglubricants.co.za)