Micromag hp50
Ultimate Filtration Technology

ECLIPSE MAGNETICS

High Pressure – Rare Earth

# Product Data

Data Sheet No 405


The Micromag HP50 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 HP50 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 HP50 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 and 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.

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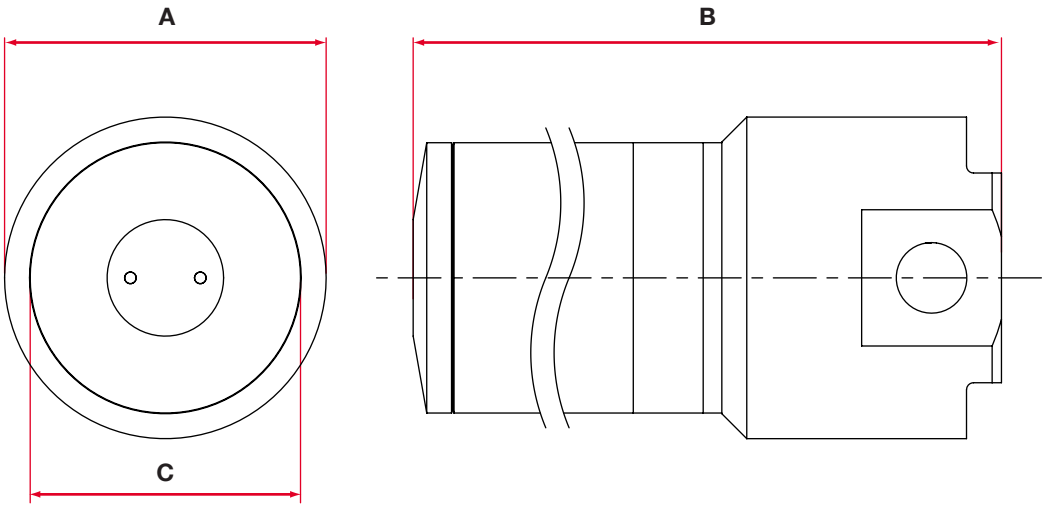
## High Intensity - Rare Earth

# Technical Data




### Sizes

| Part No | Dia A | Height B | Dia C | Port Size | Capacity (kgs) | Max Flow Rate (ltrs/min) |
|---|---|---|---|---|---|---|
| **MM5/HP/50** | 138 | 247 | 116 | 1″ BSP | 1 | 70 |
| **MM10/HP/50** | 138 | 365 | 116 | 1″ BSP | 2 | 100 |
| **MM20/HP/50** | 138 | 625 | 116 | 1½″ BSP | 4 | 150 |

All dimensions in mm

### Performance

| | |
|---|---|
| **Maximum Pressure** | 50 Bar |
| **Magnetic Performance** | High intensity |
| **Magnet Grade** | N45 – Inspected & confirmed via hystergraph prior to use |
| **Temperature** | 5°–140°C |

### Materials

| | |
|---|---|
| **Housing** | Aluminium |
| **Lid** | Aluminium |
| **Tube** | 304 Grade stainless steel |
| **Surface Finish** | Machined and anodised |
| **Sealing** | Viton O-ring |

### Options

Core cleaning post
Mounting bracket
Port adaptors

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