

# Micromag

High Intensity - Rare Earth

Datasheet no. 401

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 too 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

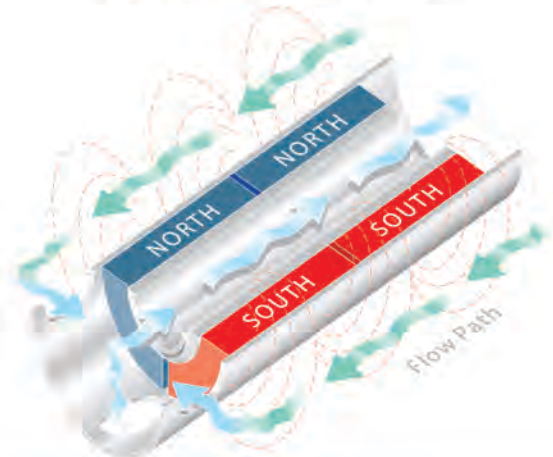
- Sub-micron filtration
- Large holding capacity
- High intensity rare earth magnetic material
- Clear bowl
- Suitable for all machining applications
- Environmentally responsible
- No consumables

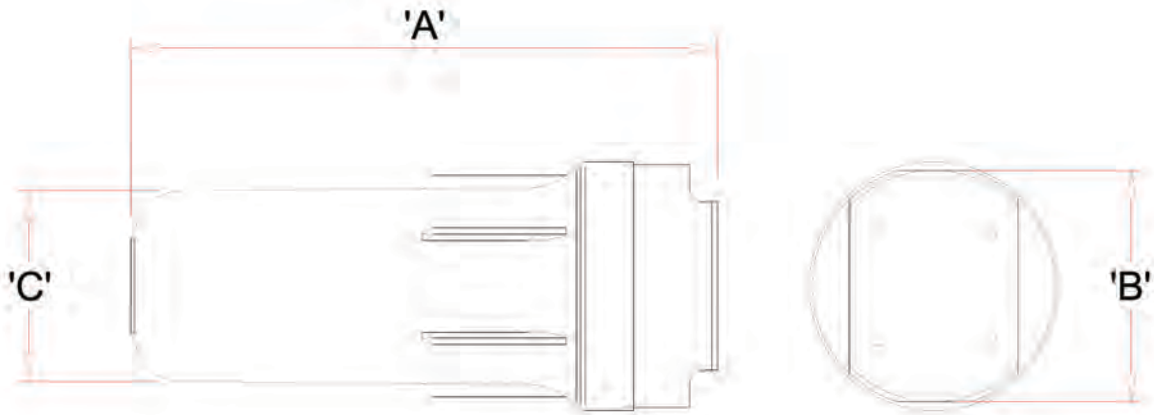
## Category

Medium pressure.



Magnetic circuit & fluid flow path.





## Product Information

Product number	Flow rate l/min	Contamination capacity kgs	Max. operating pressure bar	Connection " BSP	Temperature range °C	Weight kgs	Construction	Dimensions mm		
								A	B	C
MM5	70	0.9	12	1	5 – 50	3.15	SAN housing, Aluminum lid	190	105	95
MM10	100	2	12	1	5 – 50	5.2		315	125	100
MM20	150	4	12	1½	5 – 50	9.7		605	135	100

## Performance

<b>Maximum Pressure</b>	12 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>	5°– 50°C

## Materials

<b>Housing</b>	Styrene Acrylo Nitrile (SAN)
<b>Lid</b>	Marine grade aluminum, anodised blue
<b>Magnetic Core</b>	304 Grade stainless steel
<b>Sealing</b>	Nitrile O-ring

## Options

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

Contact **Eclipse Magnetics** Authorised Distributor



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