

# 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

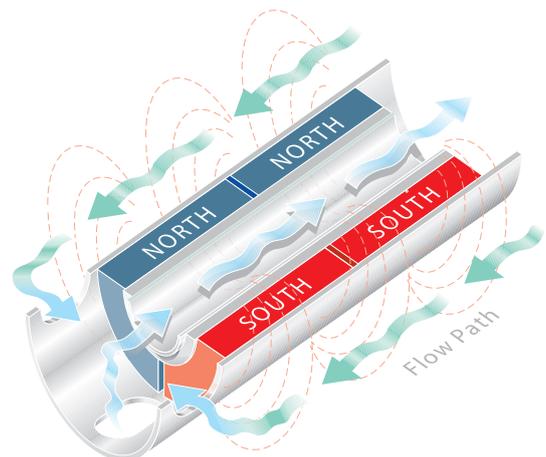
- Sub-micron filtration
- Large holding capacity
- High intensity rare earth magnetic material
- Clear bowl
- Suitable for all machining applications
- Environmentally responsible
- No consumables

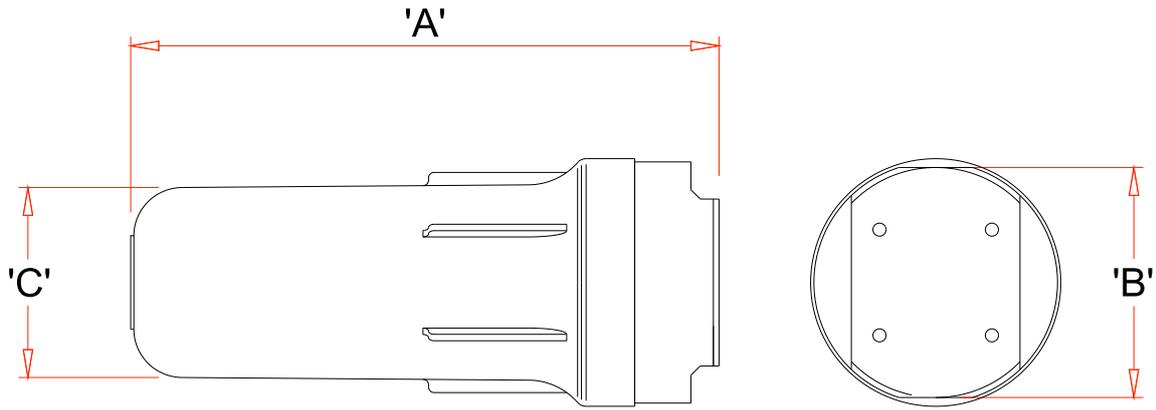
## Category

Medium pressure.



Magnetic circuit & fluid flow path.





## Product Information

Part Number	Diameter mm			Port Size	Capacity kgs	Max FlowRate ltrs/min
	A	B	C			
MM5	190	105	95	1" BSP	1	70
MM10	315	125	100	1" BSP	2	100
MM20	605	135	100	1½" BSP	4	150

## Performance

<b>Maximum Pressure</b>	12 Bar g
<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 aluminium, 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  
Port adaptors

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

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