

At A Glance

High Intensity - Rare Earth
Category-Medium pressure

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.



Benefits

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

Performance

Maximum Pressure	12 Bar
Magnetic Performance	High intensity
Circuit Design	Open
Magnetic Material	Rare earth neodymium iron boron
Magnet Grade	N35 – Inspected & confirmed via hystergaph prior to use
Temperature	5°– 50°C

Suitability

Suitable Products	Neat and soluble oils.
Suitable Location	Pre- or post-pump, delivery line or pre-membrane cartridge

Materials

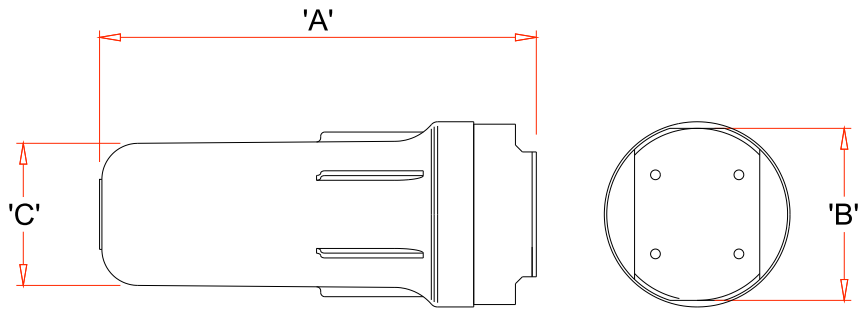
Housing	Styrene Acrylo Nitrile (SAN)
Lid	Marine grade aluminum, anodised blue
Magnetic Core	304 Grade stainless steel
Sealing	Nitrile O-ring

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!

Options

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



Product Number	Flow rate ltrs/min.	Contamination capacity kgs	Max. operating pressure bar	Connection BSP	Temperature range °C	Weight kgs	Construction	Dimensions mm		
								A	B	C
MM5	70	1	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