

PATENTED DESIGN

Micromag



Compact magnetic filter, easy to clean and install, high collection capacity relative to size.

How Micromag Works

Contaminated fluid enters the inlet port where flow is equally split via tapered radial flow channels which lowers the flow velocity ready for the fluid to be filtered.

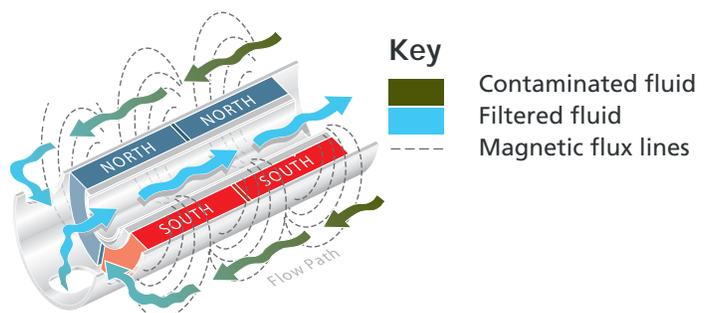
It then passes up the outside of the centrally mounted 'Rare Earth' magnetic core where contamination particles are attracted and retained.

The magnetic flux circuit geometry ensures a controlled build up of contamination so the filter can never block.

Filtered fluid then flows through slots at the top of the core then down and through the centre of the core, exiting through the outlet port.

Benefits

- Medium pressure
- Sub-micron filtration
- Large holding capacity
- High intensity 'Rare-Earth' magnetic material
- Clear bowl
- Suitable for all machining applications
- Environmentally responsible
- No consumables



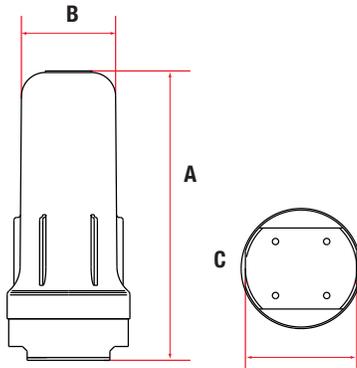
Cleaning

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!

Installation Location

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

Technical Data



Product number	Flow rate gallons/min.	Max. operating pressure psi	Connection NPT "	Temperature range °F	Construction	Dimensions inches		
						A	B	C
MM5/1.0	18	174	1	41 - 122	SAN housing, Aluminum lid	7.5	3.7	4.1
MM10/1.0	26	174	1			12.4	4.0	4.9
MM20/1.5	40	174	1½			23.9	4.0	5.3
METRIC	ltrs/min.	bar	NPT "	°C	Construction	mm		
MM5/1.0	70	12	1	5 - 50	SAN housing, Aluminum lid	190	95	103
MM10/1.0	100	12	1			315	100	124
MM20/1.5	150	12	1½			605	100	137

Performance

Magnetic Performance	High intensity
Circuit Design	Open
Magnetic Material	Rare Earth Neodymium Iron Boron
Magnet Grade	N45 – Inspected & confirmed via hysteresis prior to use

Materials

Housing	Styrene Acrylo Nitrile (SAN)
Lid	Marine grade Aluminum, anodised blue
Magnetic Core	304 Grade Stainless Steel
Sealing	Viton O-ring

Options

- Bowl spanner
- Core cleaning post
- Mounting bracket
- Port adaptors



Eclipse Magnetics NA. Innovative Magnetic Solutions

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