

MATRIX FILTRATION

India Private Limited

Filtration for Industrial Fluids



Magnetic Filter.

Matrix magnetic filter is designed to remove sub-micron contamination like- ferrous, stainless steel, tungsten carbide from industrial fluids such as coolants & oils, removal of such particles results in increased fluid life, improves the surface finish of your products, enhance component accuracy and reduces wear on your machinery and tools. Its uses permanent magnet so does not require any consumables and power to operate. it is available in different sizes and can be customized as per customer requirements, standard version available with a core of either three or five high-intensity 'rare earth' Neodymium magnet with 12,500 Gauss magnetic performance.



Benefits-

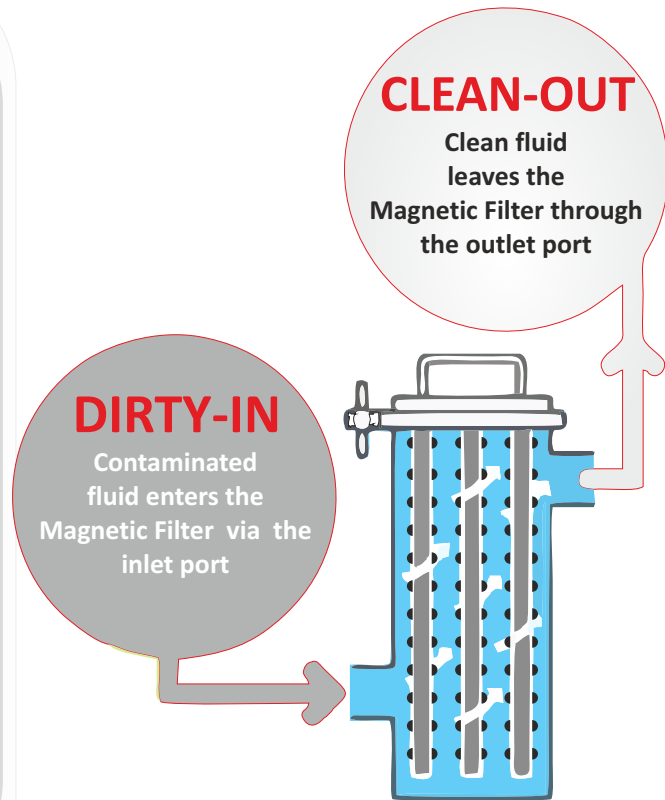
- Sub-micron filtration
- Large contamination holding capacity
- No consumables
- High flow capacity
- No back pressure.
- No pressure drop
- Minimal running costs
- Rapid return on investment.
- Suitable for on-line & off-line filtration.
- Compatible for large group of fluids.*
- Suitable for diesel and harsh chemical*.
- Designed for 24/7 operation.
- Easy installation.
- Low maintenance

How it works-

Contaminated fluid enters the matrix magnetic filter via the inlet port and flow upside through the high intensity magnetic rods which attract and hold the contamination. Clean fluid comes out via outlet port.

The magnetic rods are arrange in such a manner that pressure is always maintained even when the filter is full of contamination with particles and no Back pressure, generated.

To clean the filter first open the clamp then lift-out the contaminated magnetic rods and remove the contamination from the rods using the specially designed cleaning tool.



Applications-

Grinding, Honing, Lapping, Shaving, Gun Drilling, Deep-hole Drilling, Super-finish/Polishing, Wash Systems, Steel Pipe Cutting, Edm Machine, Laser Cutting, Cnc,vmc,hmc Machines, Tungsten Carbide Grinding.

Product data

- Full stainless steel construction-304
- 12500 Gauss, high-intensity magnet
- Suitable for Inline/offline filtration.
- Temp range: 5°C to 75°C.
- Manually cleaned

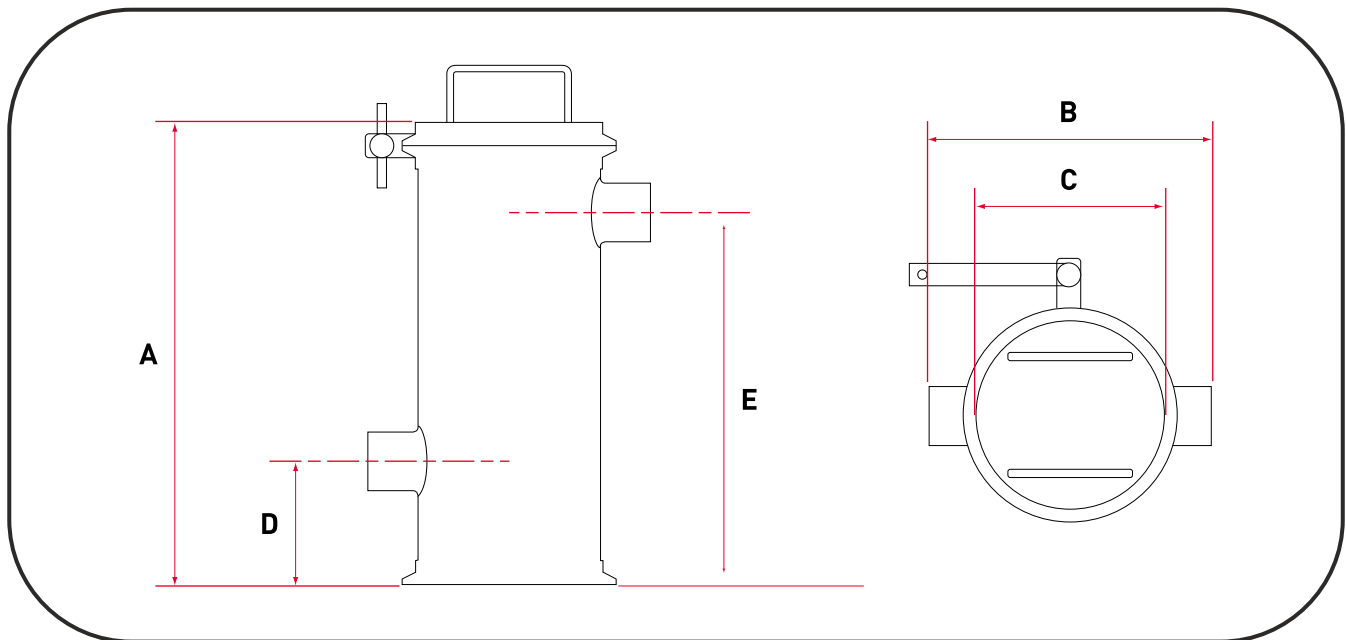


Product Code	Number of cores	Maximum flow rate*	Max. Contamination holding capacity	Max. Operating Pressure BAR
Matrix -NM-150	3	150LPM	3 KG	10
Matrix-NM-250	3	250LPM	3 KG	10
Matrix-NM-500	5	500LPM	6 KG	10

Dimensions

Product Code	A	B	C	D	F	Port SizeBSP
NM-150	280	194	114	60	220	1"
NM-250	350	194	114	80	270	1.5"
NM-500	490	268	170	150	360	2.5"

Note- All dimension in mm



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