

MAGNETIC FILTRATION

The FILTRAMAG magnetic filter

The FILTRAMAG magnetic filter removes ferrous, carbide, stainless steel and grinding media contamination from the coolants you use in cutting and grinding.

FILTRAMAG removes particles as small as sub-micron size, smaller than can be extracted by traditional filters.

The removal of these particles results in longer fluid life, improves the surface finish of your products, increases component accuracy and reduces wear on your machinery and tools.

FILTRAMAG uses permanent magnets so it doesn't need power to operate and it's always working.

No consumables are required – contamination is quickly and easily removed as a dry 'cake' that can be easily disposed of as scrap and without losing expensive fluid.

It has no moving parts and doesn't require maintenance, ever!



Filtramag in use

The core of the FILTRAMAG consists of six neodymium 'rare earth' magnetic rods offering an incredible 11,000 Gauss magnetic performance.

The configuration of the rods means that pressure is always maintained even when the FILTRAMAG is full of contamination. Back pressure, which causes bursts socks or cartridges, does not occur.

Particle laden fluid enters the FILTRAMAG via the inlet port and travels through the rods which attract and hold the contamination. Clean fluid leaves the FILTRAMAG at the outlet port.

To clean the FILTRAMAG simply lift out the cartridge and remove the contamination from the rods using the supplied tool. It couldn't be easier.

“I would recommend the Filtramag to any company that hones or grinds.”

Bob Hill, Production Director, Elite Tooling

APPLICATIONS

Inline pressure feed lines | Gravity fed systems
Grinding | Honing | Lapping | Boring | Fine detail machining

Install FILTRAMAG and:

Cut costs

- Eliminate disposal costs
- Extend the life of other filters

Improve quality

- Increase part accuracy
- Improve part finish

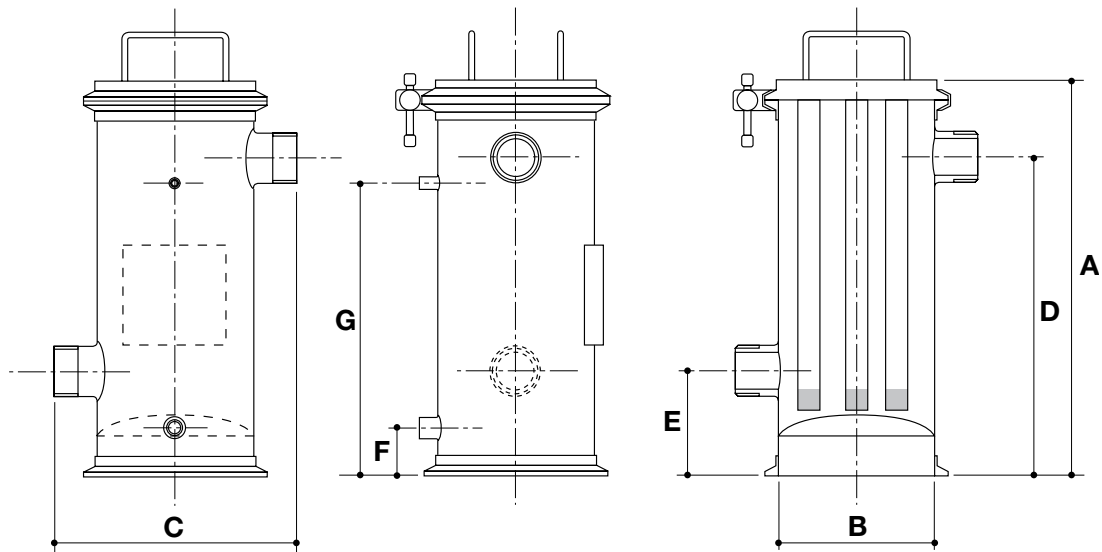
Reduce maintenance

- Extend the life of your fluids
- Reduce part & machinery wear

NO CONSUMABLES | NO RUNNING COSTS | NO MAINTENANCE



Dimensions



A	B	C	D	E	F	G
mm	Bore Dia. mm	mm	mm	mm	mm	mm
445	175	270	310	100	55	355

Port sizes available: ¾", 1", 1½", 2", 2½"

Flow Rates (litres/minute)

Contamination	Water Based Fluids			
	Mild Steel	Cast Iron	Stainless Steel	Carbide
	600	500	300	300

Contamination	Oil Fluids			
	Mild Steel	Cast Iron	Stainless Steel	Carbide
	450	350	250	250

Other Eclipse Magnetics filtration products

MICROMAG

Compact cost-effective filter for a wide range of applications



AUTOMAG

Fully automatic PLC controlled system for high volume, high contamination processes



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