Automag

Self Purging Magnetic Filter – High Intensity

The patented Automag unit is the latest generation of self-purging high intensity magnetic filters for high flow, high contamination industrial applications.

The Automag has two flow chambers. Fluid enters the inlet chamber where primary filtration takes place. The partly treated fluid flows into a second chamber where the it is slowed so that the final filtration treatment can take place. It then returns to the process.

Installing Automag will improve your manufacturing effectiveness and reduce operator intervention.

Using fully filtered fluid, free from micron sized particles will:
- Improve surface finish
- Extend tool/wheel life
- Improve fluid flow
- Cut costs on scrap reduction
- Reduce downtime

All applications, which use pumped cutting fluids will benefit from using this equipment.

Typical Applications
- Grinding
- Honing
- Milling
- Fine finishing

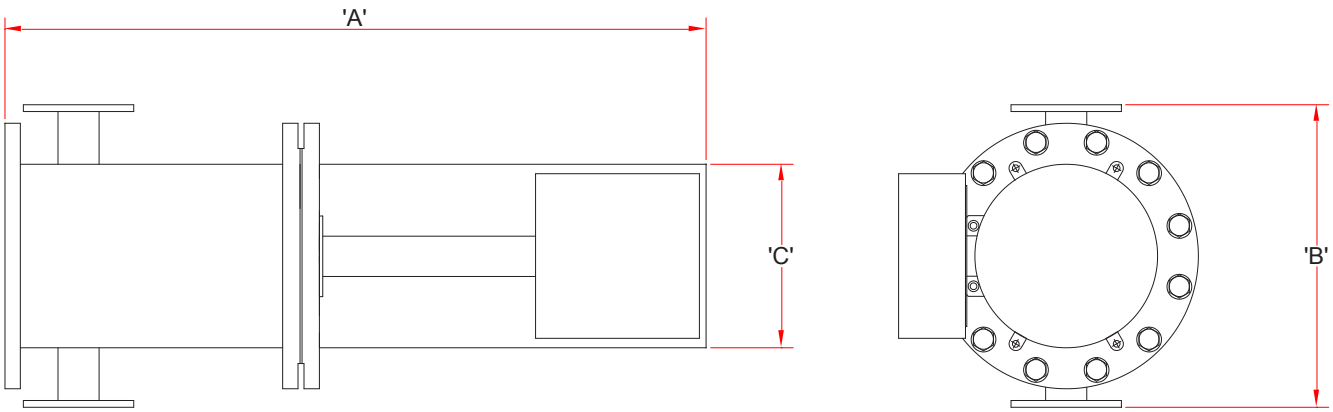
Cleaning
A signal from your control system activates the outlet valve (not included) so fluid is redirected to a purge tank or reclamation unit (available as an option), then the centrally positioned pneumatic cylinder withdraws the magnetic elements from the filter.

When the contamination has been purged the magnetic elements are reinserted and the outlet valve is returned to position, bringing the unit back online. The complete cleaning cycle take 10-15 seconds depending on fluid type and filter location.

Suitable Fluids
Oil, coolant, water.

Suitable Locations
Pre- & post-fluid holding tank, machine or process.

Benefits
- Double magnetic length
- High collection capacity
- Removes micron sized contamination
- Self purging
- Rare earth high intensity magnetic material
- Compact
- No maintenance



Product Information

Part Number	Diameter mm			Port Pipe	Rod Qty	Capacity kgs	Max FlowRate ltrs/min
	A	B	C				
AMC	740	300	200	1½˝ PN16	8	2.5	200
AM6	1065	450	275	2˝ PN16	6	7	450
AM12	1145	620	405	3˝ PN16	12	14	900

Performance

Maximum Pressure 10 Bar g
Magnetic Performance AM6 & AM12 9000 Gauss, AMC 6000 Gauss
Performance Reading On tube surface
Magnetic Material rare earth neodymium iron boron
Magnet Grade N45 – Inspected & confirmed via hystergraph prior to use
Temperature 5°–70°C

Materials

Filter Body 304 Grade stainless steel, powder coated white
Filter Cover 304 Grade stainless steel, powder coated silver
Control Box Aluminium, powder coated white
Pneumatic Cylinder Festo
Solenoid Valve ASCO
Limit Switch Proximity Sensors, RS origin

Options

SImple timer control box
Purge valve arrangement
Super high flow rate systems
Pre-programmed PLC controls
Complete mounting skid arrangement
Purge fluid collection tank and reclaim system