

MAGNETIC FILTER SCRUBBER - IL

DESCRIPTION

Magnetic filter scrubbers employ a magnetic filter element in a specialty housing designed to operate with minimal flow restriction and maximum fluid exposure for high-efficiency filtration. Flow is regulated by the diameter of the inlet-outlet supply pipe as well as fluid velocity. With a billet aluminum housing, this scrubber installs inline for low-pressure, light viscosity, low-flow applications.

BENEFITS

- » Minimal flow restriction allows for suction line installation and pump protection.
- » High holding capacity allows for extended planned maintenance periods.
- » Acts as an effective predictive maintenance tool if contamination is collected and analyzed to determine sources of equipment component wear.

FUEL

COOLANT

ENGINE OIL

CHEMICALS

HYDRAULIC FLUID

WATER

CLEANING

Magnetic Filter Element: Remove the contamination with a lab cloth/non-fiber cloth that absorbs the contamination. Save the cloth in a sample bag to send for analysis.

Use the magnetic filter element as a predictive maintenance tool by removing contamination with a lab cloth or rubber glove and depositing it into a sample jar. Send the contamination for analysis to determine the source of equipment component wear and prevent system failure.



EFFICIENCY

Magnetic Filter Element	Ferrous Contamination	Captures ferrous wear particles down to 4 μ and below with up to 95+% efficiency.
	Non-ferrous Contamination	Non-ferrous particles are magnetically captured because of cross-contamination from static charge or embedded ferrous particles.

OPERATING PARAMETERS

Part Number	Port Size	Housing Size	Flow Rate	Pressure Rating	Temp. rating	Magnetic filter element
5IL04	3/4"	2 1/4" OD x 6" H	Single-pass 2 gpm (7.6 L/min)	6.9 bar (100 psi)	105° C (221° F)	1/2" OD
			Multi-pass 4 gpm (15.1 L/min)			
5IL05	1"	2.4" OD x 7 1/4" H	Single-pass 3 gpm (11.4 L/min)	6.9 bar (100 psi)	105° C (221° F)	3/4" OD
			Multi-pass 6 gpm (22.7 L/min)			
5IL905	3/4"	2.4 OD x 9 1/4" H	Single-pass 3 gpm (11.4 L/min)	6.9 bar (100 psi)	105° C (221° F)	3/4" OD
			Multi-pass 6 gpm (22.7 L/min)			

MATERIALS

Magnetic Filter Element	Rare-earth magnets configured in a patented radial field design.	
Filter Housing, Drain Plugs, End Caps, Mounts	Standard	Billet Aluminum
	Specialty Materials	» Stainless Steel » Other alloys available
Seals	Standard Heat	Buna
	High Heat	Viton
	Sub-zero	EDPM

INSTALLATION

Port Type	ORB
Element Clearance	Housing length + 4"

LIMITED WARRANTY

Magnetic Filter Element	3 years
Housing and Components	1 year

SERVICE LIFE

Magnetic Filter Element	18+ years
-------------------------	-----------

