

One Eye® Magnetic Filter Systems

Practical and Effective Ferrous Particle Removal

Magnetic Filters

THE PATENTED ONE EYE MAGNETIC FILTER SYSTEMS ARE A SIMPLE SOLUTION TO FERROUS PARTICLE REMOVAL THAT ARE BOTH PRACTICAL IN APPROACH AND HIGHLY EFFECTIVE FOR A DIVERSITY OF APPLICATIONS.



BENEFITS

Practical

Removal of hard ferrous metal (iron, steel, and nickel) will decrease or stop the damaging wear cycle and extend the life of the engine, transmission, hydraulic, gear, coolant and fuel systems. Studies show particles smaller than 10 microns generate about 3.5 times more wear than larger particles. These small contaminants break fluid films and are carried into high pressure contact areas causing wear on softer metals, seals, gaskets and bearings.

Effective

Extremely strong magnetic fields are required to filter very fine particles (less than 10 microns) with a small mass, especially when they are in fluids traveling in "high flow" applications. Patented One Eye magnetic technology is able to remove ferrous and some nonferrous contaminants down to 1 micron in size. In many cases this is the first time credible filtration to this level has been possible

Range of Systems

2000/3000 Series Magnetic Filter Rods are ferrous metal extractors designed to be installed inside existing hydraulic filters and inside fuel, hydraulic and lube oil reservoirs. Available in varying magnetic rod filter sizes and fasteners.

4000/5000 Series Scrubbers are designed for inline installation on fuel, lube, oil, hydraulic, gear, coolant and large engine applications, allowing for full exposure to the contamination and easy removal and cleaning. They do not affect flow or pressure. 5500 Scrubbers extract iron contamination from hydraulic, water and refining systems, reducing corrosion and protect flow meters, pumps and seals.

9000 Series is the combination of two filtration technologies: A reusable, stainless steel filters, and a patented magnetic filter technology. The 9000 offers the most advanced filtration on the market today; a reusable, easily cleaned filter that will last a lifetime.

Range of Applications

One Eye Filter Systems are applicable in all industries including petrochemical, pulp & paper, oil & gas, marine, food manufacturing, processing, and manufacturing effectively filtering and removing ferrous contamination in lube oil, hydraulic oil, fuel, coolant, gear oil, glycol, and process/effluent water.

OVERVIEW

2000/3000 SERIES

- Total filtration
- All 304/316 stainless material
- Mounts horizontal or vertical
- No reduction in flow pressure
- No internal bypassing

4000/5000 SERIES

- Low and high pressure ratings are available
- Plumbed with W.O.G. valves (optional)
- Cam-loc closure on filter rod (optional)

9000 SERIES

- Eliminates cost of filters
- Allows for inspection of trapped metal particles
- Easily cleaned
- Environmental



LUBRIGARD

PROACTIVE LUBRICATION MANAGEMENT

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SERIES 2000/3000 MAGNETIC FILTER RODS

Stainless Steel Nylock



Magnetic Base

Protection Screen
(available for all 3000 series)

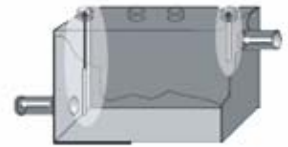
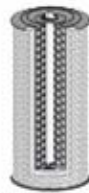
These rods attach magnetically or by fastener to bypass screens, extend inside disposable hydraulic filters with either exterior canister or in-tank systems and can be installed inside filter cartridge elements, in-line before sock filters, or installed at the inlet or outlet of reservoirs.

3000 Series – 1" or 2" magnetic rod from 3-3/4" – 36" in length

Attach inside transmission and hydraulic cartridge elements.

Install in-line before sock filters to eliminate wormholing.

Install in tank at the inlet/outlet



SERIES 4000/5000/5500 MAGNETIC SCRUBBERS



4000/5000 Low-Pressure

5500 High-Pressure

These units employ a removable magnetic filter that can be installed in single or double stage filters. These units install in-line on: hydraulic, coolant, diesel fuel, lube oil & natural gas applications. The High Pressure series (5500) can be used to protect compressor seals, or critical pumps in applications including oil refineries, chemical refining and pipelines.

4000 Series – 1/2" magnetic rod from 9" – 24" in length

5000 Series – 1" magnetic rod from 14" – 37" in length

5500 Series – 1" magnetic rod from 14" – 22" in length

Hex nut standard (Cam lock available)

SERIES 9000 REUSABLE STAINLESS-STEEL FILTERS WITH MAGNETIC RODS



9000 Series

These spin-on filters replace a majority of disposable filters for hydraulics, oil & diesel applications. They employ reusable stainless steel filters and a secondary magnetic rod. These filters flow up to 43% more oil than conventional paper filters, have a 10+ year operational life and a 3 year warranty. All systems comply with the Magnuson-Moss Warranty Act and exceed ISO 4572 standards.

9000 Series – standard filter heads available for Atlas Copco / Bosch, Caterpillar, Mack, Volvo, Cummins.

- Stainless elements available in 25 and 40 micron absolute.

**Many more magnetic systems are available. Contact us for full details.*



PROACTIVE LUBRICATION MANAGEMENT

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