MFR
MAGNETIC FILTER

Flow
Pressure
Level
Temperature
measurement
monitoring
control

- **Removes Ferrous Particulate From Liquids**
- **1/2" Through 3" Body Sizes**
- **Maximum Pressure 230 PSIG**
- **Maximum Temperature 425˚F**

S6

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Model:
MRT

Features

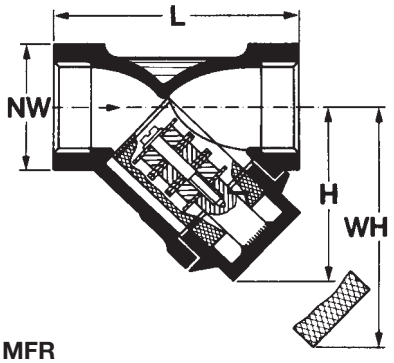
- Removes Ferrous Particulate From Liquids
- 1/2" Through 3" Body Sizes
- Maximum Pressure 230 PSIG
- Maximum Temperature 425°F

KOBOLD's MFR magnetic filters are used extensively in cooling and lubricating circuits. the MFR provides protection from ferritic particles which have either precipitated out of solution or, in the case of machining applications, have been carried away from the milling operation. Use of this filter is the insurance which protects you from expensive repairs caused by mechanical erosion of internal parts, or downtime caused by build-up and clogging of equipment and supply lines.

Operation
Fluid entering the MFR first encounters our high field strength magnet. the magnet attracts all fine ferritic particles not in solution and holds them close to its core. the second stage of the filter is a fine mesh stainless steel screen which stops all coarse particles too large to be attracted by the first stage's magnet. This open design guarantees the user of maximum filtration while at the same time minimizing pressure drop through the filter

Installation
The MFR may be installed in any desired orientation, keeping in mind that the magnetic element must contact the incoming fluid first. We suggest that the cleaning port face downward to prevent metal flakes from falling back into the line during maintenance operations.

Maintenance
Regular cleaning of the filter is recommended to keep it operating at peak efficiency. the interval between cleaning depends greatly on the application and the contamination level of the process fluid. Under all circumstances, maintenance intervals should never exceed six months duration.



MFR
Magnetic Filter

Order Numbers for Standard Types

Magnetic Filter BSP Threads	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	MFR-0015	**MFR-0020**	**MFR-0025**	**MFR-0032**	**MFR-0040**	**MFR-0050**	**MFR-0065**	**MFR-0080**
Throughput (GPM)	10	13	20	24	32	50	100	160
Δ P @ Throughput (PSI)	2.2	2.2	2.2	2.2	2.2	2.2	17	3.0
Filter Mesh Size (µm)	400	400	400	450	450	450	450	540
Max. Temperature (°F)	425	425	425	425	425	425	425	425
Max. Pressure (PSI)	230	230	230	230	230	230	230	230
Housing	Brass							
Magnet Element	304 SS Ceramic Magnet							
Weight (Lbs)	0.55	0.88	1.21	1.87	2.42	3.85	5.50	6.60
L [mm]	59	69	82	99	109	131	151	172
H [mm]	44	51	60	73	81	95	114	130
WH [mm]	80	90	110	130	140	165	220	260