

## H2 Inline MagStrainer



**The MagStrainer H2 is designed for large and small commercial and industrial systems and removes nearly 100% of magnetite and other unwanted debris from hydronic systems.**

### Features:

The MagStrainer H2 utilizes powerful Neodymium high intensity magnetic rods. Designed to be an inline filter, the H2 gets installed on the return circuit close to the boiler as the system water flows back.

The H2 captures visible and microscopic magnetite (iron oxide) and other non-magnetic contaminants (scale) and collects them in the filter.

The MagStrainer H2 filter captures existing contamination, prevents further buildup, increases system efficiency thus lowering costs, protects boilers and ECM heat pumps, prevents “cold spots” in the systems, extends the long term life of these systems, and reduces maintenance overall.

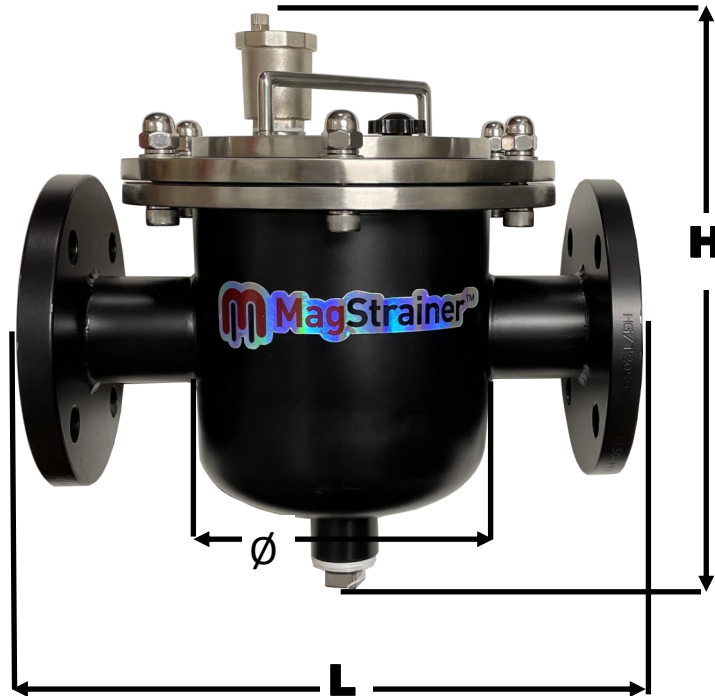
The core feature of the H2 is a set of powerful, high intensity magnetic rods. As the water flows through the filter, magnetite along with other matter gets drawn to the magnets and collects around the thin channels around the magnets. The water continues to flow through. The H2 is easily cleaned. Periodically the black sludge caught on the magnets gets removed by either easily removing the magnets or by blowing out the sludge through a drain valve.



- Compatible with all heating systems
- Easy to maintain
- Full flow filter Flow Rate ranges up to 1364 gpm
- Fits on to horizontal or vertical pipework
- Available in 2", 3", 4", 6", 8", 10" and 12" pipe with PN16 flanges
- Temperature: 41° to 302°F / 5° to 150°C
- Operating pressure is +/- 174psi / 12 bar
- 10 year warranty

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<b>PART NUMBER</b>	<b>INLET/ OUTLET SIZE (Flanged)</b>	<b>FILTER DIAMETER (INCHES) Ø</b>	<b>FLANGE TO FLANGE (INCHES) L</b>	<b>BODY HEIGHT (INCHES) H</b>	<b>MAX FLOW RATE*</b>	<b># MAGNETIC RODS</b>	<b>FLANGE TYPE</b>
MAGHOUS304SS200PN16FLX	2 INCH	6.69	10.23	11.02	88 GPM	5	ANSI 150#
MAGHOUS304SS300PN16FLX	3 INCH	8.66	14.17	13.18	242 GPM	7	ANSI 150#
MAGHOUS304SS400PN16FLX	4 INCH	8.66	14.17	13.18	374 GPM	7	ANSI 150#
MAGHOUS304SS600PN16FLX	6 INCH	12.79	18.50	16.53	484 GPM	9	ANSI 150#
MAGHOUS304SS800PN16FLX	8 INCH	12.79	20.66	18.11	616 GPM	9	ANSI 150#
MAGHOUS304SS1000PN16FLX	10 INCH	15.98	29.92	23.62	968 GPM	16	ANSI 150#
MAGHOUS304SS1200PN16FLX	12 INCH	15.98	29.92	26.57	1364 GPM	16	ANSI 150#

\*Max. Flow Rate gallons/min based on Flow Velocity of 6-8 ft./sec.

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### **Performance**

Magnetic Performance: 9000 gauss high strength

Performance Reading: on tube surface

Temperature: 41° to 302°F / 5° to 150°C

Operating Pressure: +/- 174psi / 12 bar, if using Automatic Air Vent, 145psi / 10 bar

Drain Valve: 1-1/4"

### **Materials**

Housing: 304 Stainless Steel

Magnet Tube Assembly: 316 Stainless Steel, aerospace quality

Magnetic Material: Rare Earth Neodymium iron boron (NdFeB)

Magnet Grade: N42SH, inspected and confirmed by hystero-graphy

Surface Finish: Internal - Bead Blast Polished

External - Powder Coated, Black

Sealing O-Ring: Viton