

## H-1 MagStrainer

The MagStrainer H1 uniquely combines three key filtration elements in one unit: a powerful magnet set, a bag filter for larger particulate matter, and a chemical pot feeder for dosing and system maintenance.

### Features:

- Full Flow Magnetic Filtration
- Tested magnetic technology ensures that up to 100% of magnetite and scale is removed on first pass.
- Easy Installation
- Extracts magnetic and non-magnetic particulates.
- For Industrial, Commercial and Filtration Applications



Original Concentration		187.5	mg/l			
Wet	Dried	Volume (ml)	conc (mg/l)	First Pass % removal		Flow GPM
1.5186	1.2722	100	0	100		100
1.4748	1.2332	100	3	98.4		200

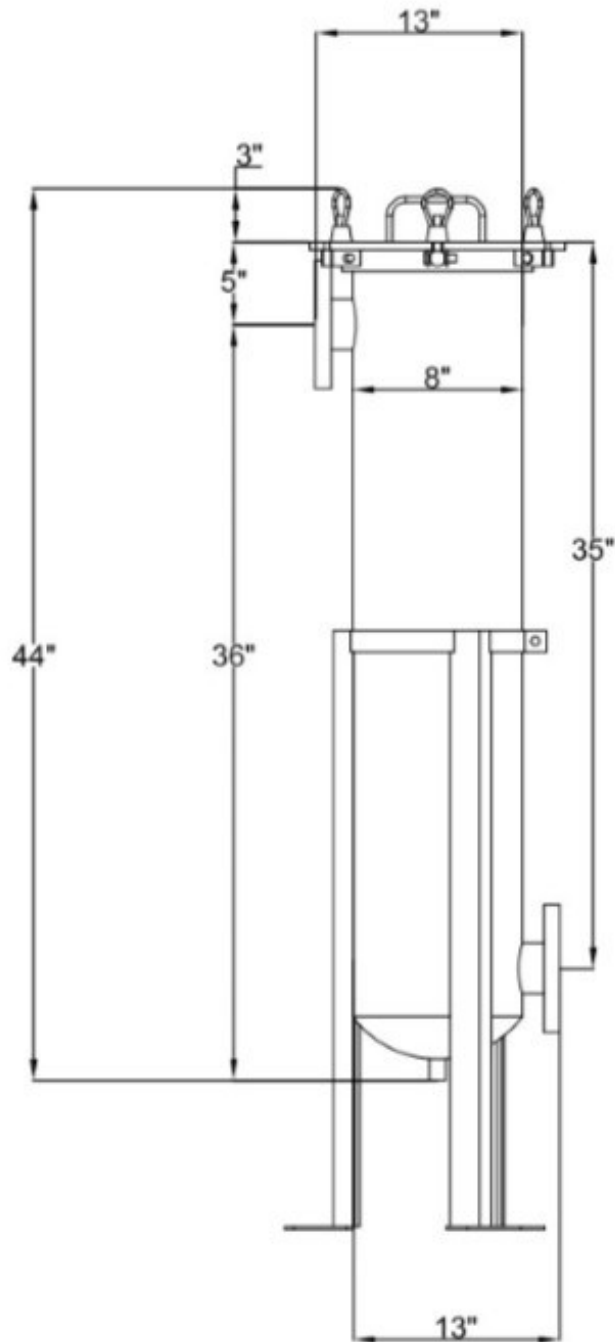
The unique and innovative MagStrainer™ H1 series is set to revolutionize magnetic filtration. The H1 can work with virtually any size pipe, making it ideal for smaller commercial systems to the largest of industrial systems for factories, hospitals, and other building complexes. The H1 is designed to work as a full flow or inline component or as a sidestream filter depending on the need and application.

Utilizing MagStrainer advanced technology, the H1 removes nearly 100% of magnetite and other unwanted debris from hydronic systems. The filter uses long Neodymium high intensity magnetic rods. The H1 captures visible and sub-micronic magnetite (iron oxide) and other non-magnetic contaminants (scale) and collects them in the filter.

### **Stop Destructive Corrosion and Heating System Damage**

H1 magnetic filter housings capture existing contaminants, prevent contamination buildup, increases system efficiency which lowers costs, protects boilers and ECM heat pumps, prevents “cold spots” in the systems, extends the long term life of these systems, and reduces overall maintenance.

 **MagStrainer™**



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## How it Works

The core feature of the **H1** is a set of powerful, high intensity magnetic rods. The magnet assembly is contained within a filtration bag (available in different micron tolerances). As the water flows through the filter, magnetite along with other matter gets drawn to the magnets and collects on the magnets as water continues to flow through. The **H1** is easily cleaned. Periodically the magnet assembly gets pulled from the unit and the black sludge washed off and removed. The filtration bag also gets replaced and the bag and assembly get reinserted into the housing.

## Innovative Features of MagStrainer H1

### Three Systems in One

The MagStrainer H1s are housed in stainless steel filter housings of various sizes. Each unit contains the longest powerful magnet assembly available today, a bag filter, and the unit can serve as a pot feeder for chemical dosing applications for hydronic systems.

### Built for the Largest of Pipes

Current magnet filter systems in the market will not accommodate any pipe systems larger than 12". The MagStrainer H1 Ultra can be implemented in systems that range from 12" to 32". Larger systems can be customized and manufactured to go on skids and then delivered to your location.

## Completely Customizable

MagStrainer H1 filters are assembled in our factory in Butner, North Carolina. We can build to suit to accommodate unique requirement variables such as water pressure, temperature, different sized inflow and outflow pipes, and unique size requirements. We offer a wide range of styles for housings including portable units and ones on skids.

## Other Features

- Compatible with all heating systems
- Very easy to install, maintain, and clean
- Low system downtime during installation
- Easy to maintain
- Includes bag filters for capturing other debris
- Rare Earth Neodymium Magnets (12,000 Gauss)
- Full flow inline or Sidestream filter
- Flow Rate ranges up to 3500 gpm for 32"
- Fits into horizontal pipe systems
- All valves and fittings included
- Available in all ranges of pipe
- Customizable
- Temperature: -32° to 450°F / -35.5° - 232°C
- Operating pressure: 0 to 300
- Large collection reservoir
- Guaranteed with 10 year warranty

