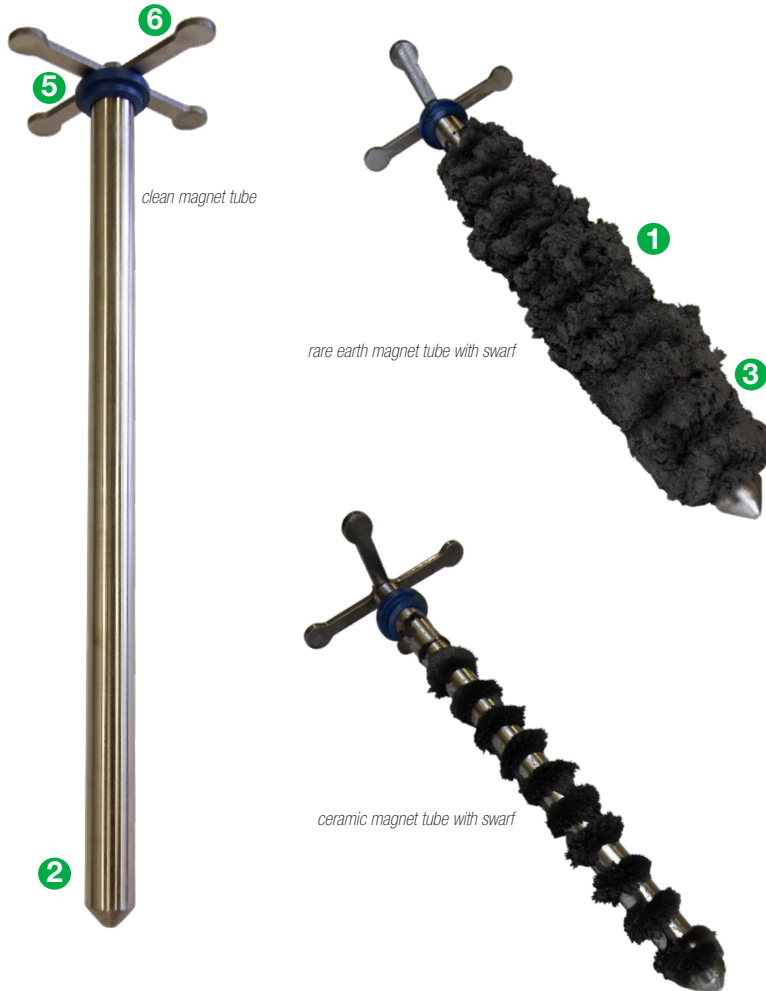




Magnets | Material Handling  
Electronic Inspection | Service

# Filter Bag Magnet

Series: FBM



- 1 High performance rare earth magnetic circuit generates over 10,000 gauss on product contact area for maximum tramp metal retention, significantly out-performing ceramic and alnico designs
  - 2 Liquid tight fully welded design ensures no water ingress which can damage magnet
  - 3 Full length magnetic tube maximizes tramp metal retention
  - 4 Heavy wall thickness tube for high durability
  - 5 Nonmetallic stripper for easy cleaning of magnetic tube
  - 6 Clover handle grip and centering device
  - 7 Made in the USA
  - 8 Multiple designs to fit every budget and performance requirement
- Industry leading lead time for delivery as short as 24 hours for custom sizes and configurations

Filter Bag Magnet Tube Performance				
Model	1" Ceramic	1" REN	1" Hi-G	1" Thin Wall**
1/4" Ball Pull Values*	0.3 lbs	5.0 lbs	5.8 lbs	6.5 lbs
1/2" Ball Pull Values*	1.2 lbs	13.0 lbs	16.0 lbs	16.5 lbs
Gauss Value*	2,500	10,000	10,800	12,000
Tube Durability	● ● ●	● ● ●	● ● ●	●
Price	●	● ●	● ● ●	● ● ●

\* Pull values are average on contact and gauss values are peak on contact.

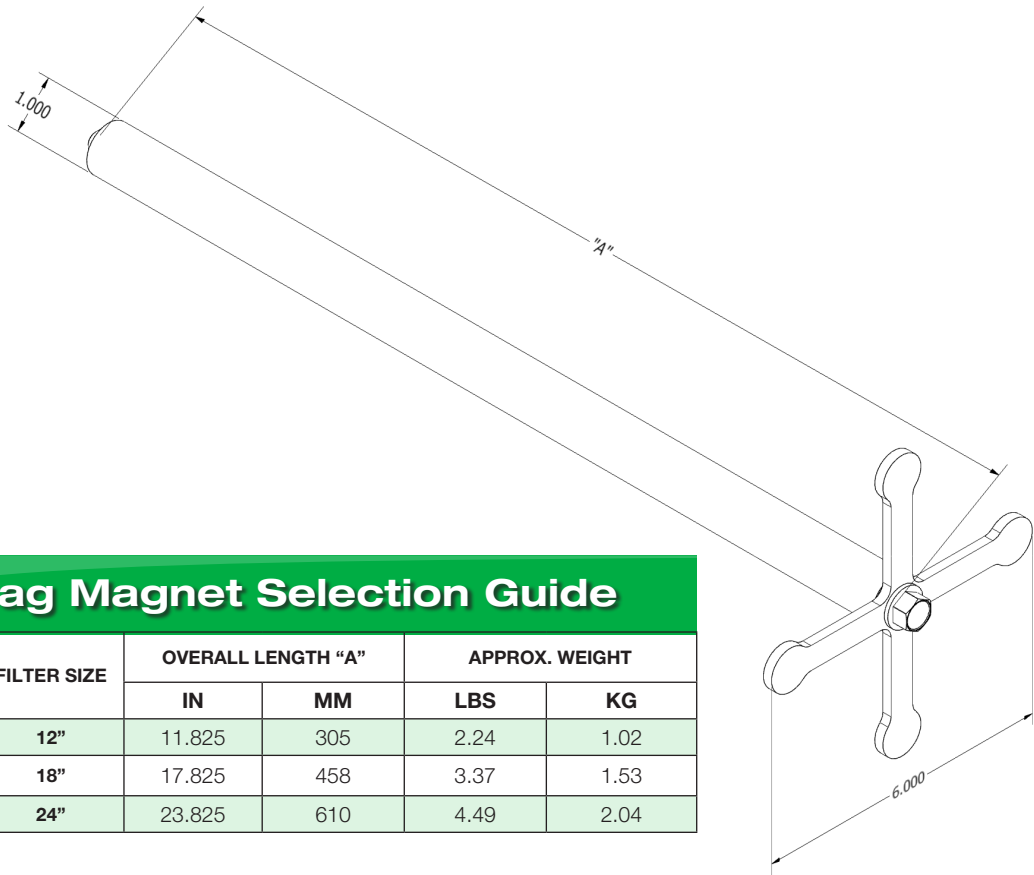
\*\* Always consult a magnet professional before selecting thin wall tubes. Thin wall tubes are not recommended for products with abrasive characteristics or in manual clean designs such as grates.



\*Specifications subject to change

**MPI**

683 Town Center Drive, Highland, MI 48356 | p. 248.887.5600 | f. 248.887.6100  
info@mpimagnet.com | www.mpimagnet.com



## Filter Bag Magnet Selection Guide

MODEL NUMBER	FILTER SIZE	OVERALL LENGTH "A"		APPROX. WEIGHT	
		IN	MM	LBS	KG
FBM-112-REN	12"	11.825	305	2.24	1.02
FBM-118-REN	18"	17.825	458	3.37	1.53
FBM-124-REN	24"	23.825	610	4.49	2.04

## Filter Bag Magnet Selectable Options

### Tube Length:

Available lengths from 4" to 36" in any increment. Standard sizes are listed the above table.

### Material Construction:

- 304 Stainless Steel
- **316 Stainless Steel (standard)**

### Magnetic Tubes:

- Ceramic
- **REN Rare Earth (standard)**
- Hi-G high performance Rare Earth
- TW Thin Wall high performance Rare Earth

### Magnetic Material Temperature:

- 400° @ 3.5 MGO (ceramic)
- **176 F @ 52-55 MGOe (rare earth) (standard)**
- 248° @ 48 MGO (rare earth)
- 356° @ 38 MGO (rare earth)
- 662° @ 30 MGO (rare earth)

### Handle Design:

- **6" diameter clover style handle to center magnetic tube in bag filter (standard)**
- 6" diameter clover style handle to center magnetic tube in bag filter with eyebolt on handle
- 6" long round bar t-handle welded to end of tube
- Customer specified

### Dead Space Length:

- **No dead space, full magnetic tube (standard)**
- 4" dead space (no residual magnetism at end of tube)