

Housed Drum Magnet

At A Glance



Protection: Primary



Feed Type: Conveyor



Material Type: NdFeb



Cleaning Type: Automatic

Our high intensity housed drum magnet is ideal for the continuous removal of tramp ferrous contamination from any dry bulk material. It is regularly installed in the most arduous of environments.

Housed drums should be fitted at the discharge end of conveyors, vibratory feeders or in-line chute sections.

High performance Rare Earth magnets are contained within a stainless steel wear-resistant drum shell. Cleaning is continuous: the drum rotates taking contamination away from the static magnets.



Benefits

- Reduces spark risk
- Allows difficult products to be screened
- Continuous self cleaning
- High volume capacity
- Removes large to medium sized contamination

Performance

Magnetic Performance	3,500 Gauss
Magnetic field depth	8 inches Dia. = 3 inches, 12 inches Dia. = 4 inches 15 inches Dia. = 150 inches
Electrical Spec	400 Volts industrial three phase IP54 rated motor gearbox
Temperature	23°F / +104°F

Suitability

Suitable Products	Dry powders, granulates, grain and sand etc. End of conveyor belt, vibratory feeder or in-line chute sections
Suitable Location	

Materials

Magnetic Material	Rare Earth Neodymium Iron Boron - (NdFeb)
Drum Shell	304 grade stainless steel
Sealing	Self adhered white foam (FDA)
Surface Finish	Brushed

Cleaning

As the drum rotates, carry-over fins move the contamination to the rear of the drum, where the magnetic area ends, and out of the magnetic field. It then falls through the reject chute section of the housing. The drum rotates at between 20–25 RPM ensuring that even the most heavily contaminated product can be separated.

Options

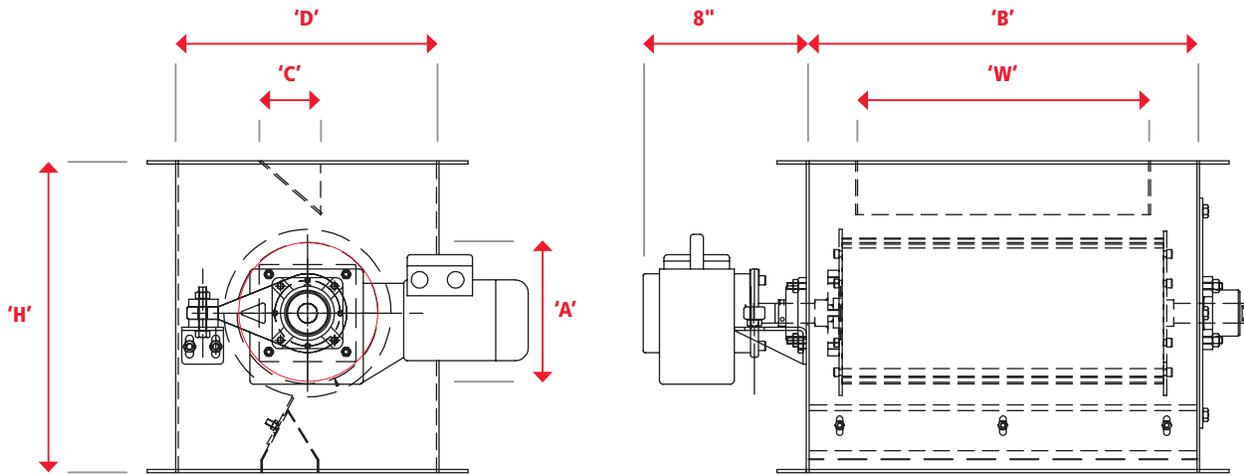
- 16 grade stainless steel
- ATEX certified
- Higher temperature versions available

*Mild steel test piece Ø0.2" x 1.0" long



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Housed Drum Magnet



Part Number	Diameter A (inches)	B (inches)	Dia. C (inches)	D (inches)	W (inches)	H (inches)	Weight (lbs)
HDMN2140	8.5	20	3	16	14	19	275
HDMN2150	8.5	24	3	16	18	19	297
HDMN2160	8.5	28	3	16	22	19	330
HDMN2170	8.5	31	3	16	26	19	363
HDMN2180	8.5	35	3	16	30	19	407
HDMN2190	8.5	40	3	16	33	19	462
HDMN21100	8.5	43	3	16	37	19	517
HDMN3140	12.5	20	5	20	14	26	330
HDMN3150	12.5	24	5	20	18	26	352
HDMN3160	12.5	28	5	20	22	26	385
HDMN3170	12.5	31	5	20	26	26	440
HDMN3180	12.5	35	5	20	30	26	484
HDMN3190	12.5	40	5	20	33	26	539
HDMN31100	12.5	43	5	20	37	26	605
HDMN4040	15.75	20	7	23	14	30	407
HDMN4050	15.75	24	7	23	18	30	451
HDMN4060	15.75	28	7	23	22	30	484
HDMN4070	15.75	31	7	23	26	30	528
HDMN4080	15.75	35	7	23	30	30	583
HDMN4090	15.75	40	7	23	33	30	638
HDMN40100	15.75	43	7	23	37	30	693

For non-standard sizes, please contact sales@eclipsetoolsinc.com



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