

High Intensity Housed Separating Drum



Housed Drum Magnets are ideal for the continuous removal of tramp and fine ferrous contamination from many dry bulk materials used in the processing of foods, chemicals, minerals and any similar product type.

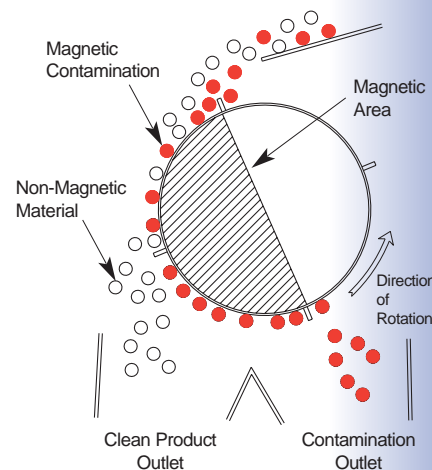
The housed drums should be fitted at the conveyor discharge, below a vibratory feed system or at a suitable location within a process line.

High performance Rare Earth Neodymium magnets are incorporated within a stainless steel, wear resistant drum shell. The drum shell is supported on high quality sealed flange bearings to ensure smooth, efficient

and reliable rotation of the shell around the magnetic element, and is driven by a three phase, dual voltage, high quality geared motor unit. The drum is incorporated within a robust stainless steel flanged housing to enable quick and simple installation.

Operation is simple. The product is fed onto the surface of the drum directly into a high intensity magnetic field. Any ferrous contamination is attracted to the drum surface and is carried around the rotating shell to a point where the magnet element terminates, enabling the release of any ferrous contamination down the discharge outlet. A strategically placed diverter is incorporated to enable efficient separation of any ferrous contamination from the product.

Non ferrous material is unaffected by the magnetic field and falls freely away from the drum and into the product discharge outlet.



Main features and benefits:

- High performance Rare Earth Neodymium ensures maximum field strength.
- Guarantee on magnetic performance.
- Wide range of sizes available.
- Supplied fully certified.
- IP55 CE certified motor.
- Quick and easy to install.
- High volume throughput.
- Low maintenance.
- IP65 or Ex Class available.
- Stainless Steel housing.
- Self cleaning.



Technical Specifications

Eclipse Magnetics has a full range of magnetic separators to cover all applications. Many separators can be tailor made to exactly suit existing process pipeline and duct work.

Magnetic Performance: 4000 Gauss on drum face.

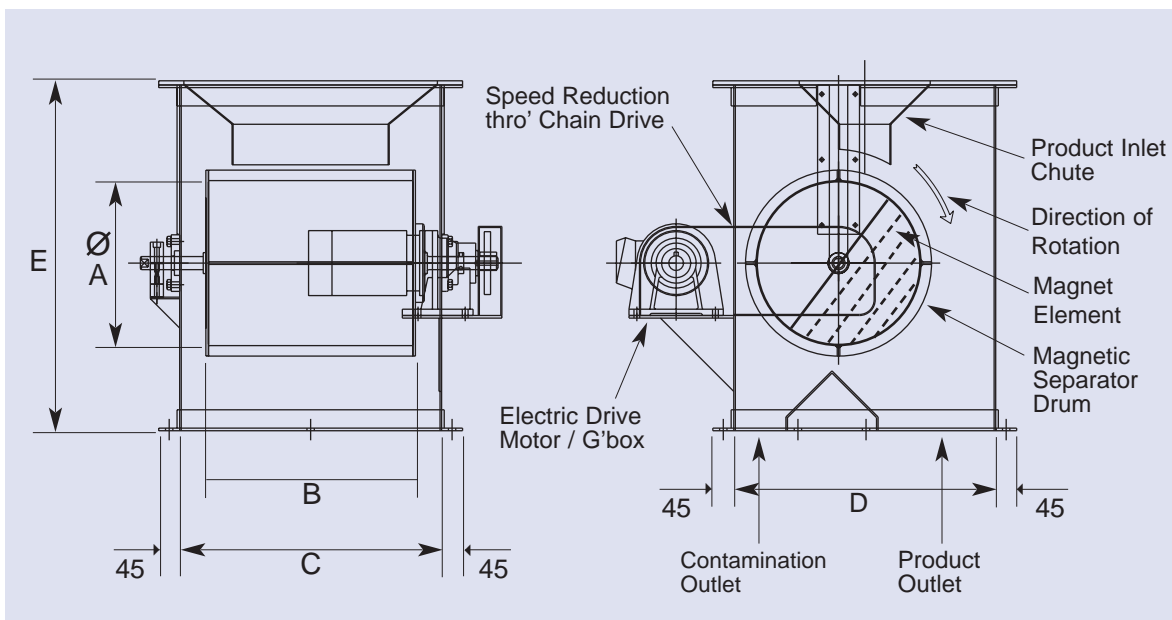
Magnetic Material: High Energy 'Rare Earth' Neodymium Iron Boron.

Material Specification: All product contact surfaces 316 Stainless Steel.

Finish: Natural.

Limitations: High Intensity Rare Earth Separator Drums should not be exposed to temperatures in excess of 100 °C (212 °F).

Part No.	Dia. A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)
HDMN2140	215	400	500	400	570	120
HDMN2150	215	500	600	400	570	135
HDMN2160	215	600	700	400	570	150
HDMN2180	215	800	900	400	570	165
HDMN21100	215	1000	1100	400	570	185
HDMN3140	315	400	500	500	670	150
HDMN3150	315	500	600	500	670	160
HDMN3160	315	600	700	500	670	175
HDMN3180	315	800	900	500	670	200
HDMN31100	315	1000	1100	500	670	230
HDMN4040	400	400	500	585	755	205
HDMN4050	400	500	600	585	755	220
HDMN4060	400	600	700	585	755	230
HDMN4080	400	800	900	585	755	260
HDMN40100	400	1000	1100	585	755	295



If it's Magnetic

....Then it's Eclipse Magnetics

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