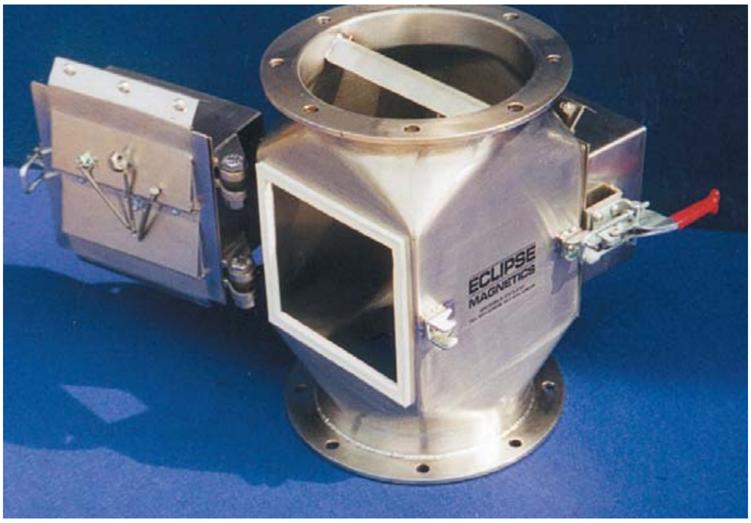
data sheet 514

ECLIPSE MAGNETICS®

High Intensity Deep Field Chute Magnet



Housed Deep Field Chute magnets are used for the removal of tramp iron, for example, nuts, bolts, washers, and mill balls from gravity fed pipelines and chutes.

These ‘Primary’ magnets are installed in goods inwards points or mid process to prevent large pieces of contamination damaging expensive processing equipment.

One of the main benefits of incorporating this type of unit is that there is no restriction inside the unit enabling already established product flow rates to be maintained. The unit incorporates two extremely powerful high intensity Rare Earth magnetic packs hinged opposite each other which ensures that the total area inside the housing is covered by deep penetrating magnetic flux fields increasing tramp metal extraction.

Any attracted contamination finds sanctuary beneath the catchment ledges preventing ‘wash off’.

Each magnetic pack is secured to the housing via quick release toggle clamps. Once these toggles have been released, the packs can be swung away from the housing and cleaned.

Intermediate cleaning plates which allow for easy cleaning of the unit are an optional extra.

Main features and benefits:

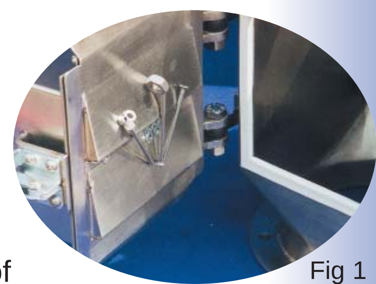


Fig 1

- High intensity flux fields are emitted from the magnet surface generating in excess of 3,500 Gauss.
- Inlet and outlet flanges to suit your process line, please state at time of order.
- Provides primary ultimate protection from a wide range of product contaminants.
- Totally maintenance free (apart from cleaning), no power supply, no running costs.
- Quick and easy to install. Once in position, you know it’s definitely working.
- Supplied with full test certificates.
- Guarantee on magnetic performance.

Eclipse Magnetics Ltd

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.

Technical Specifications

Magnetic Performance: 3,500 Gauss on magnetic pack surface.

Magnetic Material: High Energy ‘Rare Earth’ Neodymium Iron Boron.

Material Specification: All surface parts are 316 grade Stainless Steel.

Finish: Brushed.

Limitations: High Intensity Chute Magnets should not be exposed to temperatures in excess of 100º C (212º F).

For special applications that can withstand temperatures up to 350ºC (662ºF), please contact our Technical Department for advice.

Round Pipe line

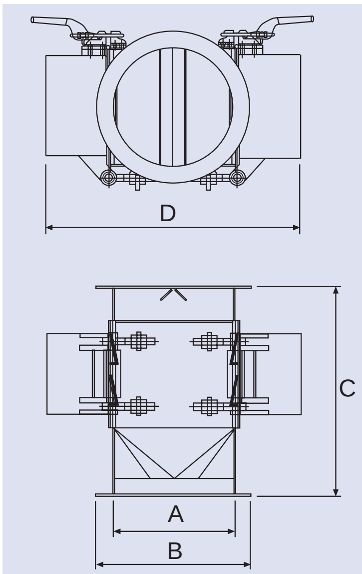
Part No	A (Dia) (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
CMN200	200	300	350	320	23
CMN250	250	350	400	430	38
CMN300	300	400	450	480	57
CMN350	350	450	500	530	76
CMN400	400	500	550	640	107

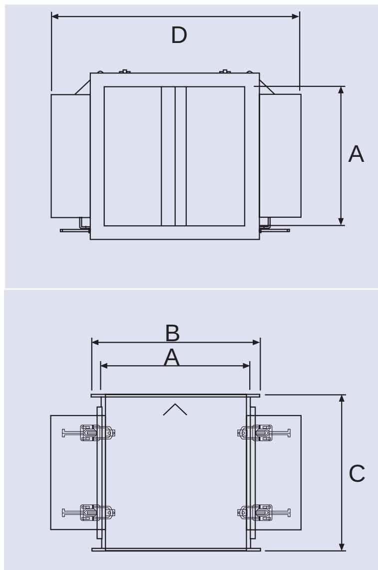
Square Chute

Part No	Chute size A Square (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
CMN2020	200	300	250	320	17
CMN2525	250	350	300	430	32
CMN3030	300	400	350	480	46
CMN3535	350	450	400	530	66
CMN4040	400	500	450	640	97

Options:-
Intermediate cleaning plates are available (pictured overleaf, Fig 1). These facilitate cleaning and allows contamination to be easily and safely removed.

NB Mounting Flanges supplied plain.
For special applications please call our Technical Department for advice.





If it’s Magnetic ....
....Then it’s Eclipse Magnetics

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