

HIGH ENERGY RARE EARTH CHUTE MAGNET

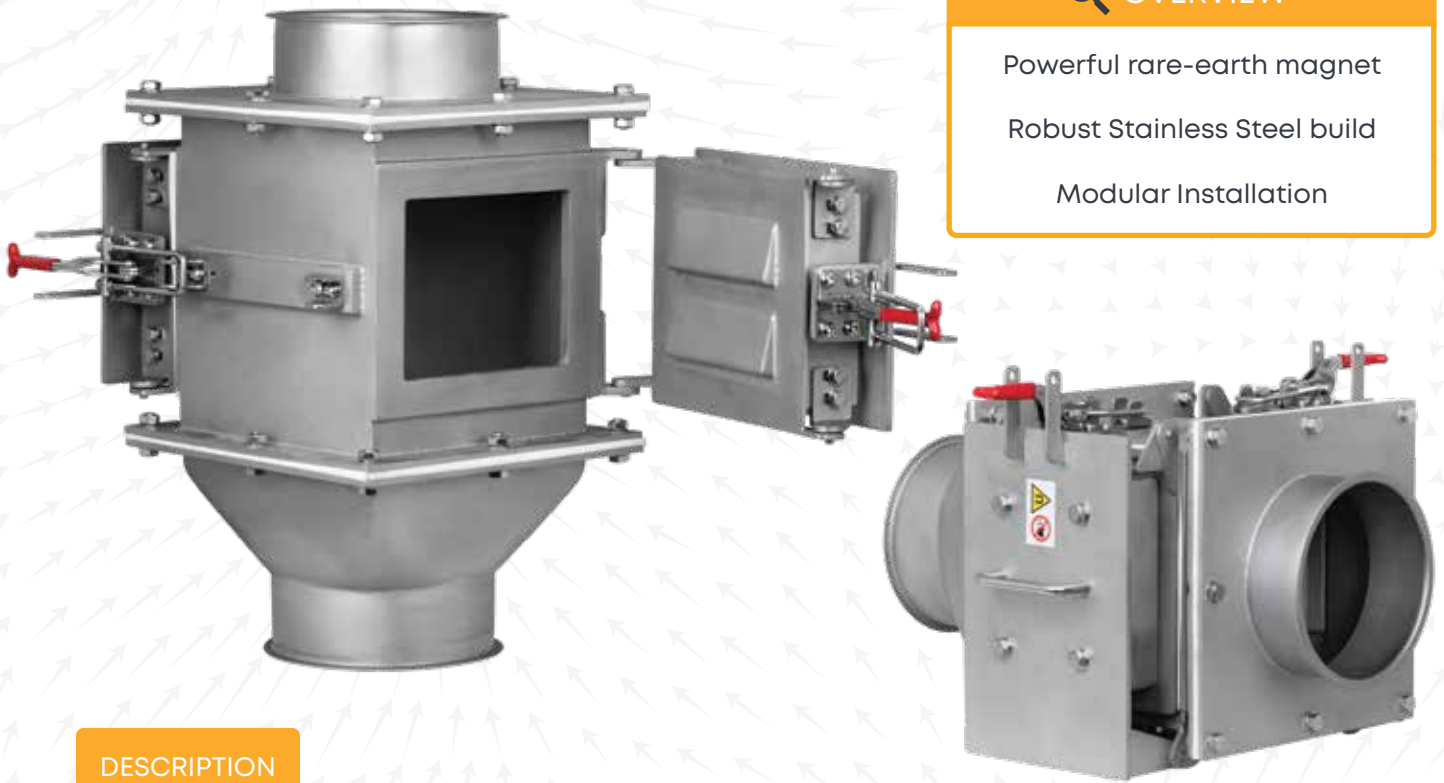
DATA SHEET REF. ME-005

OVERVIEW

Powerful rare-earth magnet

Robust Stainless Steel build

Modular Installation



DESCRIPTION

These extremely powerful magnets are highly efficient at removing magnetic and para-magnetic particles from dry, free flowing powders and granules.

The chute magnet is designed to be incorporated in a vertical process line with a downward flow direction. A central angled deflector bar directs the product flow to pass into the deep magnetic field which is generated from the fixed high strength rare earth magnetic elements positioned on opposite faces on the housing body.

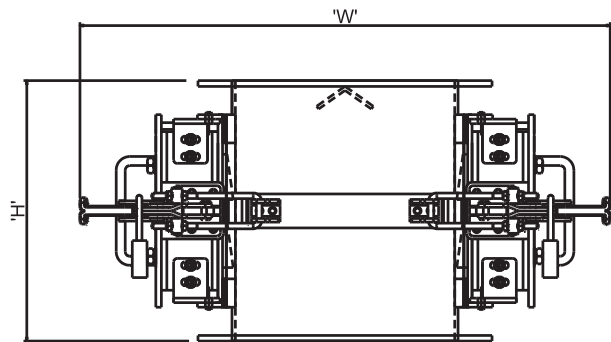
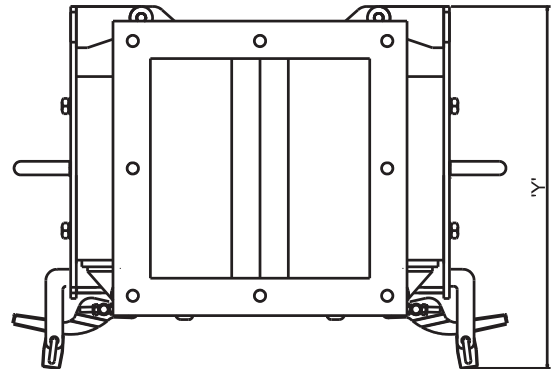
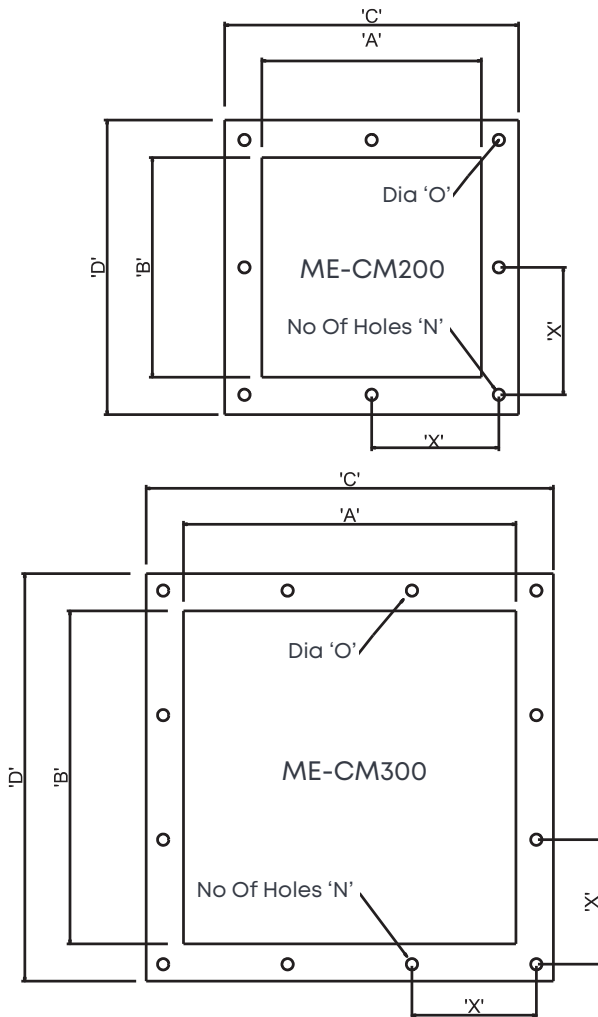
Any ferrous contamination is then captured by the field and held securely onto the tapered catchment plates offering a safe area for the contamination to be held to prevent any contamination becoming dislodged by the product flow through the unit.

Each magnet pack is secured in place by a single toggle latch clamp which can only be released when a padlock is removed allowing the latch to be unclamped. FDA silicone sponge seals are secured to each side of the housing to provide a dust tight seal between the housing and magnet door. Door safety switches can be added as an option if required.

DESIGN FEATURES

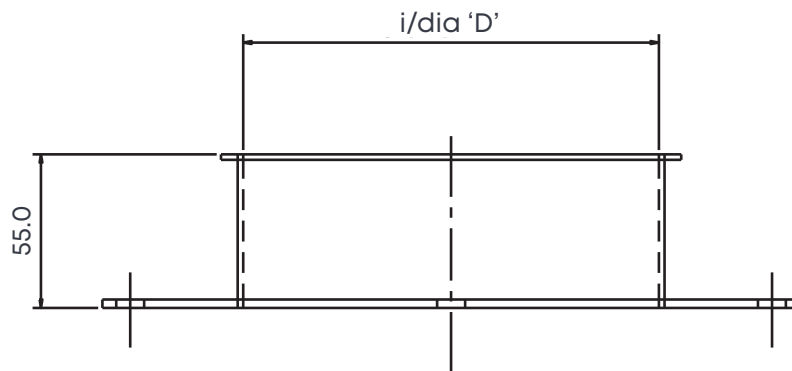
The modular concept used in the design of the chute magnet gives greater flexibility for using the standard unit in a wide variety and sizes of installations.

The main body of the unit is in a square format onto which a wide range of transition pieces can be fitted to suit many different pipeline shapes and sizes. As the main body assembly can accept a range of inlet and outlet transition pieces, then the same size magnetic unit can be used at many installation positions, eliminating the need to stock a large quantity of spare parts for the process line.

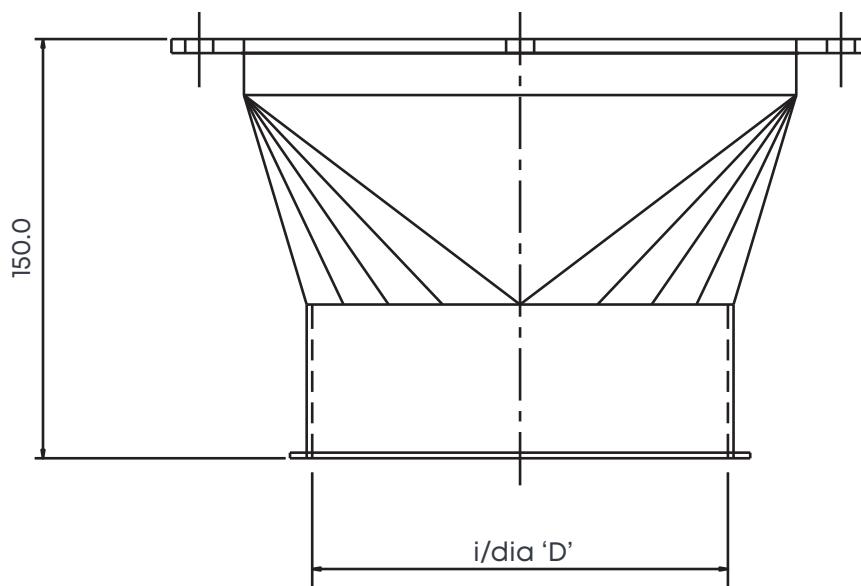


Part Number	A'	B'	C'	D'	W'	Y'	H'	Hole ctrs 'X'	Hole dia 'O'	No. Holes 'N'	Weight (kgs)
ME-CM200	200	200	260	260	470	320	230	112.5	10	8	28
ME-CM300	300	300	360	360	570	420	280	110	10	12	48

MAGNET PERFORMANCE	3,500 gauss (measured on magnetic face)
TEMPERATURE OPERATING RANGE	-20 / +80 °C
MATERIALS	304 St. Steel. Glass Bead Blast
MAGNETS	NdFeB -N45 Grade
AVAILABLE OPTIONS	316 grade Brushed Finish to 0.8 Ra Door safety switches



INLET TRANSITION



OUTLET TRANSITION

Inlet/Outlet Transitions: size range

ME-CM200: 75-175mm Dia
ME-CM300: 175-275mm Dia

Standard transitions are available for each size of chute magnet to suit various pipe connections

Transition Types: Jacob quick connect
Plain Spout
Laser cut flat flange PN6

Transitions supplied loose complete with silicone gaskets and St. Steel fasteners.
Other connection types are available on request

Ordering details: ME-CM200/X/D/T & ME-CM300/X/D/T

X = Transition position: I= Inlet / O=Outlet
D= Transition size: pipe inside Dia
T= Transition type: J= Jacob connection
P= Plain Spout
F= laser cut Flat Flange PN6