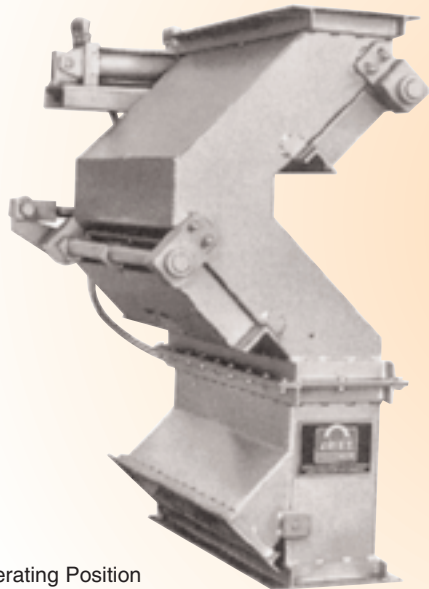




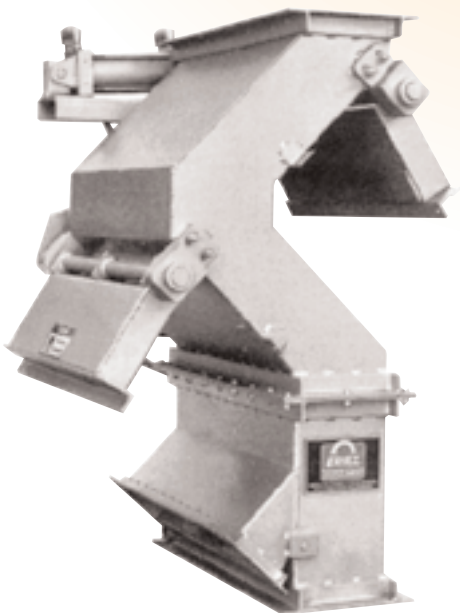
# Magnetic Hump Separators

The elimination of ferrous contamination from materials falling under gravity or conveyed in pneumatic lines is handled effectively by the Eriez Magnetic Hump.

Material entering the Hump is forced to change direction by an Eriez Plate Magnet. As the material slows, it again changes direction and passes over a second plate magnet. This 'dog-leg' design takes advantage of the ferrous metal density because the heavier metallics are more likely to work their way to the magnet, increasing the probability of capture.



Operating Position



Cleaning position

## Manual Clean Model

- Can incorporate either Superpower, Maxipower, Rare Earth Magnets or combinations thereof
- Gravity fed or pneumatic models (0.2 Bar / 3 psi max) models
- Quick release clamps for ease of cleaning
- Widths up to 1200mm available

## Self Clean Model

- Push button (or optional timer) operates a diverter chute before air cylinders swing the magnets away from the chute
- Stainless steel construction
- Superpower plates as standard - variations available on request
- Control and air cylinders included (air supply requirement 4 Bar / 60 psi)



## Round Pipe Separators

Ideally suited for horizontal pipelines, the Round Pipe Separator makes the installation of Plate Magnets in pipes extremely simple and economical.

The assembly is installed by cutting out a section of the pipe where magnetic protection is required and fitting the separator into position.

A neoprene baffle directs the product over the magnet face, assisting tramp iron recovery.

Other features include:

- Stainless steel construction
- Option for flanged ends
- Designs for pressures up to 1 Bar / 15 psi



## Cartridge / Bullet Magnets

When conveying dry, free-flowing materials in vertical pipelines, the Cartridge Magnet offers an efficient method of recovering metal contamination.

The product is distributed evenly over the magnetic poles by a solid steel cone. Any iron contamination is attracted to and held by the cartridge until it is removed from the flow by opening the door and cleaned.

- Available with Ferrite or Rare Earth magnetic element
- Stainless steel construction
- Designs for pressures up to 1.7 Bar / 25 psi



## Deep Reach Separators

Eriez developed the Deep Reach Magnet to remove tramp iron from heavy flows of materials likely to bridge or choke Magnetic Grates.

Effective removal of ferrous contaminants is obtained as the material passes between two large permanent magnets.

The field generated by these magnets completely fills the housing, penetrating the product and pulling out the iron.

Twin access doors enable the collected metal to be removed.



### Features

- Central and side deflectors direct iron towards magnet faces
- Stainless steel construction
- Quick release doors for easy access
- Compact - only 250mm high

## Associated Products

- Plate Magnets
- Grate Magnets
- Magnetic Traps
- Magnetic Drum Separators
- Vibratory Feeders
- All-Metal Separators and Metal Detectors

For advice on individual applications, contact Eriez engineers at:

### Eriez Magnetics Europe Limited

European Manufacturing, Design and Test Laboratory Headquarters  
Bedwas House Industrial Estate, Bedwas, Caerphilly CF83 8YG, UK

Telephone: 029 2086 8501 Fax: 029 2085 1314  
Int Tel: +44 29 2086 8501 Int Fax: +44 29 2085 1314  
E-mail: [eriez@eriezeurope.co.uk](mailto:eriez@eriezeurope.co.uk)  
[www.eriez.com](http://www.eriez.com)

