

...Only from Eriez



Features & Benefits:

- Detects and separates magnetic and non-magnetic metal contamination, even when encapsulated in the product
- Reduces expensive machinery failure and minimizes production downtime
- Ensures product quality
- Prevents customer complaints

ERIEZ®

Metal Separator Model FF

Metal separator for free-fall applications

The MODEL FF Metal Separator is used to inspect bulk goods under free-fall conditions. It detects all magnetic and non-magnetic metal contamination (steel, aluminium, brass, stainless steel) – even when enclosed in the product. Metal contaminants are rejected through the “Quick Flap” reject unit. The MODEL FF is used mainly in industries with non-sanitary applications.





Model FF Metal Separator

Product Features:

- Separate detection and reject unit
- Free-fall height can be adjusted on site
- Position of waste reject unit can be turned to match position of collecting tray
- Automatic or manual product compensation allow flexible adaption to product conductivity
- Pre-installed parameters for simplified operation
- High scanning sensitivity to all metals
- Minimizes waste through "Quick-Flap" rejection system
- Low installation height; the metal separator can be easily fitted into existing pipeline systems
- Standard Jacobs adaptors for inlet and outlet ensure quick, hassle-free installation
- Enhanced signal-to-noise ratio minimizes electromagnetic pollution, vibrations and conveyor belt distortion

Scope of Delivery:

- Metal separator with separate detection and reject valve (mounted via standard Jacobs adaptors)

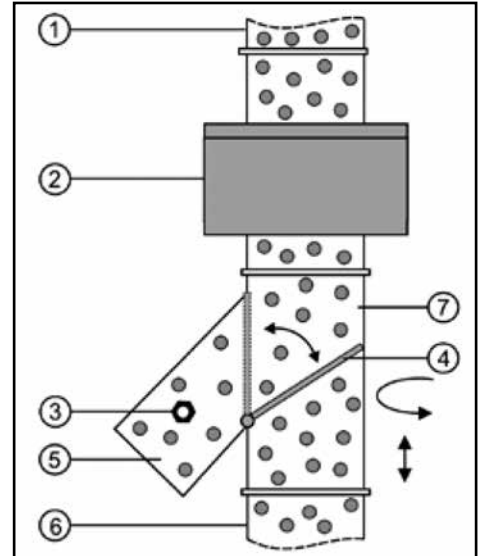
Options/Accessories:

- Audible and visual alarm systems
- Feed hopper and filler inlet
- Digital incident counter
- Air pressure monitor
- Magnet system to remove Fe contaminants
- High temperature resistant
- Special design for abrasive bulk goods
- ATEX design
- UL/CSA Certification
- Removable control unit



Metal separator MODEL FF used for the quality control of PET regrind

Function Chart:



- | | |
|--------------------|------------------------|
| 1) Infeed | 5) Reject outlet |
| 2) Detection coil | 6) Good product outlet |
| 3) Metal | 7) Separation unit |
| 4) Separation flap | (turnable, removable) |

Applications:

- Machinery protection for extruders, injection molding, blow molding and fine grinding mills
- Quality control for inspection of outgoing goods, granulate, reclaim, bagging stations, dryers and packing stations

Model FF Metal Separators are available in eight standard pipe sizes: 1.18 in. (30mm), 1.97 in. (50mm), 2.76 in. (70mm), 3.94 in. (100mm), 4.72 in. (120mm), 5.9 in. (150mm), 7.87 in. (200mm) and 9.84 in. (250mm).

If you need more detailed information, ask for our technical data sheet or a discussion with an experienced Eriez sales consultant.



World Authority in Separation Technologies

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