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BULLET MAGNET

Description

Bullet magnets, also known as magnetic bullet separators, are designed to remove ferrous contaminants from dry materials moving through pipelines and pneumatic systems. At the core is a powerful, cone-shaped magnet housed in stainless steel, ensuring maximum contact with product flow for reliable separation.

These units are installed directly into vertical or inclined pipelines and excel in high-velocity conveying systems where traditional separators often fail. The streamlined bullet design keeps material moving smoothly, prevents blockages, clogging, and minimizes flow restriction.

Built for demanding industrial environments, bullet magnets capture everything from fine iron dust and flakes to larger fragments. This not only protects downstream equipment but also improves product purity and process efficiency. Their rugged stainless steel construction makes them suitable for hygienic applications, designed with easy access to ensure regular cleaning can take place.

With custom sizes and strengths available, bullet magnets adapt to a wide range of industries—from food and pharmaceuticals to plastics, recycling, and dry goods—delivering consistent performance and long-term reliability.



Key features:

- High-strength magnetic core for reliable ferrous removal
- Streamlined bullet design keeps product flow smooth
- Works in both pneumatic and gravity-fed pipeline systems
- Captures fine particles down to microns as well as larger fragments
- Durable stainless steel construction for hygienic and industrial use
- Minimal flow restriction with reduced risk of clogging
- Easy-access cleaning door for quick maintenance
- Handles high-velocity and abrasive materials with ease
- Protects downstream equipment and improves product quality
- Custom sizes and configurations available to fit pipeline systems

Specifications

Magnet Type	Permanent ferrite or neodymium/rare earth or samarium cobalt magnets
Magnetic Strength	Available in 2000 – 12,000 Gauss
Construction	Stainless steel housing with internal bullet-shaped magnetic core
Design	Conical core for maximum product contact and smooth flow
Installation	Fits vertical or inclined pipelines and pneumatic conveying systems
Material Flow	High-velocity flow over the magnetic core with minimal restriction
Cleaning System	Manual access door or quick-release mechanism for easy cleaning
Operating Temperature	80°C – 300°C
Applications	Removes ferrous contaminants from powders, granules, and bulk dry materials in pipelines.
Customization	Available in various sizes, flange types, and magnetic strengths.
Typical Materials Handled	Powders, granules, pellets, flakes, and other dry bulk materials.
Benefits	Protects downstream equipment, enhances product purity, and ensures efficient production.

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