

## PNEUMAG

### Inline magnet for pneumatic conveying lines

- For use in vacuum and pressure conveyor pipes (up to 25 m/s)
- Reliable separation of fine ferrous contaminants and magnetized stainless steel particles from the product flow
- EASY CLEAN function
- All made of wear resistant stainless steel (AISI 316L)
- For applications in the pharmaceutical industry the surface qualities have been further improved ( $Ra < 0.6\mu m$ )
- As standard equipped with EASY CLEAN function
- Vertical or horizontal installation (variable product flow direction)
- Magnetic field strength up to 13700 gauss
- Metal-detectable seal
- Special versions for higher pressures and temperatures
- Approved for ATEX zone 20



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## Inline magnet for pneumatic conveying lines



### Performance characteristics:

By means of the leading magnetic performance (9000 gauss on the tube surface) and the offset gauss configuration of the separator rods the PNEUMAG removes even small ferrous and magnetised stainless steel particles. The entire unit is manufactured using 316L grade stainless steel with a brushed finish ( $R_a < 1,2 \mu\text{m}$ ). For the pharmaceutical industry, Premium Magnets can supply an improved surface treatment with  $R_a < 0,6 \mu\text{m}$ . According to standard the unit is supplied with the EASY CLEAN facility which allows a quick and easy cleaning. To secure the system against unauthorized opening Premium Magnets delivers the PNEUMAG including a anti tamper proof guard with padlock. All systems are tested and certified to operate at +1 bar pressure. In addition, units to operate at pressures up to +5 bar are available upon request.

### For installation in:

Pressure conveyor pipes/vacuum conveyor pipes.

### Application:

This high intensity magnetic separator is mainly designed to be installed into pneumatic conveying lines with air flow up to 25 m/s. The PNEUMAG system will be of great interest to the food and pharmaceutical industries with products like flour, sugar, starch, pharmaceutical drugs and other powders and granulates. The special housing design allows the product to pass through the unit in both directions. The magnetic separator can be supplied with various flanges to suit the customer's requirements.

### For the inspection of:

Bulk materials; dry, free-flowing, powdery, fine-grained (grain size  $< 6 \text{ mm}$ ), coarse-grained (grain size  $> 6 \text{ mm}$ ), sticky.

### For application in:

- Plastics industry
- Food industry
- Chemical industry
- Pharmaceutical industry

