



GF PRIMUS

Metal separator for pneumatic conveyor pipes

- detects and removes even the smallest metal contaminants from regranulates and virgin material
- removes metal contaminants without any interruption to the production process or reduction of flow rate
- reduces production downtimes and damage to machinery
- easy to integrate into pipelines of any orientation
- minimum loss of good material
- reliable detection and removal up to a conveying speed of 20 m/sec.
- product effect compensation for conductive bulk materials
- pressure-loss-safe design of the separating unit



GF PRIMUS metal separators remove metal contaminants (steel, stainless steel, aluminium etc) from pneumatically conveyed bulk materials such as granulates and regranulates. Metal contaminants (even those contained in granulate) are removed by means of a specially designed reject flap ('Quick Flap System') which operates reliably and

effectively even at high speeds, without any interruption to the material flow. Contaminated material is rejected into a container. The reject container is emptied automatically. A further advantage of the "Quick Flap System" is the minimal loss of good material.



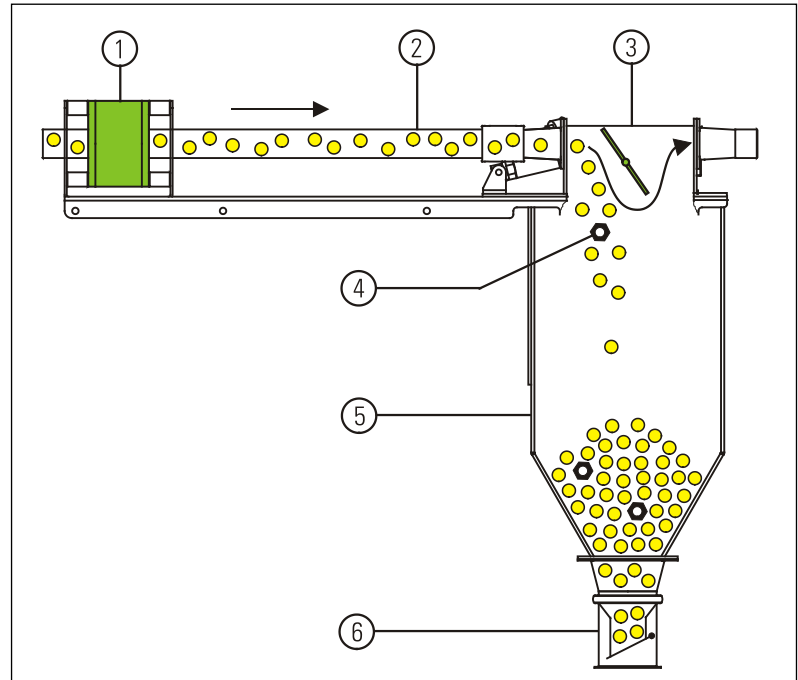
GF PRIMUS metal separators are used in vacuum and pressure pipelines for protecting plastics processing machinery. They are installed in pipelines prior to processing machinery, day silos or driers.

GF PRIMUS metal separators can be integrated and also retrofitted in horizontal, vertical and inclined vacuum and pressure pipes.



GF metal separator installed in a vertical conveyor pipe

Function chart:



1) Detection coil 2) Scanning pipe 3) Separating unit 4) Metal
5) Reject container 6) Shutting flap (used in vacuum conveying)

is achieved, the metal separator runs in fully automatic process with no interruption to flow of material.

- Stainless steel (1.4301) separation unit supplied as standard.
- Modular design concept provides flexibility to adapt to different conveying methods.
- Options available to accommodate materials at high temperature or abrasive, powdery bulk materials.

GF PRIMUS metal separators offer the following performance features:

- High mechanical reliability and resistance to interference guarantee excellent metal detection.
- Continuous self-monitoring and temperature adjustment ensure reliable operation.
- Once optimal scanning sensitivity and reject duration

Applications:

- Conveyor systems for feeding injection-moulding and extrusion lines.

GF PRIMUS metal separators are available in the following standard widths: 40, 50, 60, 70 mm.
Other sizes available on request.

If you need more detailed information ask for our technical data sheet or a discussion with our experienced S+S Sales team.