RAPID 6000
Metal separator for free-fall applications

- Detection and separation of magnetic and non-magnetic metal impurities
- For inspecting coarse-grained, flaky, light, fibrous, crumbly and moist bulk materials
- Metal separation by means of swivel hopper
- Hygienic design for easy cleaning
- Meets all IFS and HACCP requirements
- Available in versions certified up to ATEX Zone 20
- Outstanding ease of operation with product auto-learn function and latest microprocessor technology

RAPID 6000 metal separation systems have been specifically designed to meet exacting hygiene standards and are therefore particularly suitable for the food, chemical and pharmaceutical industries.
Magnetic and non-magnetic contaminants and even metal inclusions in the free-falling material are diverted by means of a swivel hopper without any interruption to the production process.
This has proved to be a highly effective method of removal especially for coarse-grained, flaky, light, fibrous, crumbly and moist bulk materials.

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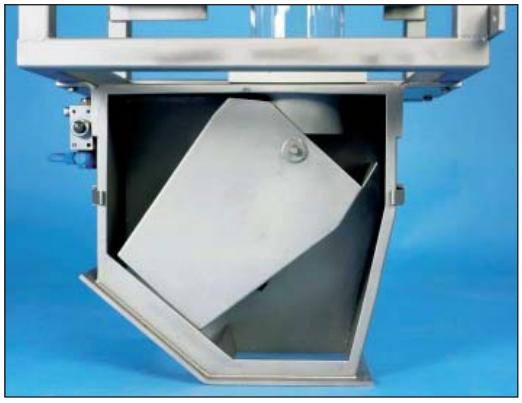
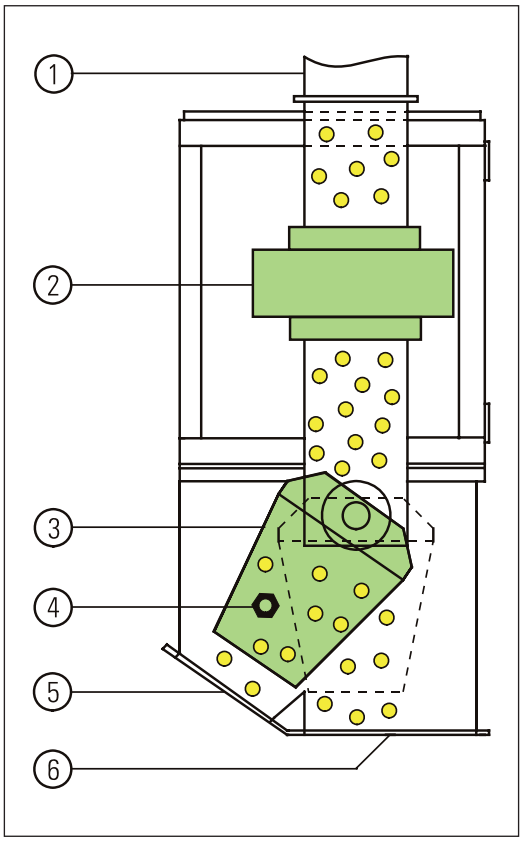
RAPID 6000 metal separators are supplied in standard widths up to 200 mm.
Metal contaminants are removed by means of a swivel hopper. This method is particularly effective for the following materials:
Products with long fibres (fibres do not get jammed).
Light and flaky bulk materials (blockages caused by turbulence and product build-up are avoided).

The reject unit is dustproof and waterproof and can be accessed via a flap for fast and easy cleaning using either water or compressed air.



Separating unit with opened cleaning flap



1) Pipeline 2) Detection coil 3) Swivel hopper 4) Metal 5) Reject outlet 6) Pipeline

Typical applications:
- Food industry: Inspection of popcorn, cornflakes, crisps, nuts, fruit, soup noodles
- Chemical industry: Inspection of compounds

RAPID 6000 metal separators are available with a choice of two different control units (for electronic evaluation and control). State-of-the-art microprocessor technology provides reliable digital signal processing with maximum resistance to interference (in accordance with strict EU guidelines).
The GENIUS control unit is especially designed for automated processes and to meet the requirements of quality control systems.
The SENSITY control unit is used for applications with relatively constant operating conditions.