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RAPID 6000
Metal separator for free-fall applications

■ Metal separator for the inspection of coarse-grained, flaky, light, fibrous, crumbly, and moist bulk materials

■ Detects magnetic and non-magnetic metal contaminations

■ Separation by way of swivel hopper

■ Hygienic design for easy cleaning

■ Complies with IFS and HACCP

- Separation unit and product-contacting metal parts completely made of stainless steel 1.4301 (AISI 304)

- Low mounting height guarantees easy integration of the metal separator in existing pipe systems

- Separation unit with large cleaning opening

- Auto-learn function with product compensation for optimal adaptation to the intrinsic conductivity of the product to be inspected

- Increased interference immunity to electromagnetic pollution and vibration

- Highest scanning sensitivity for all metals
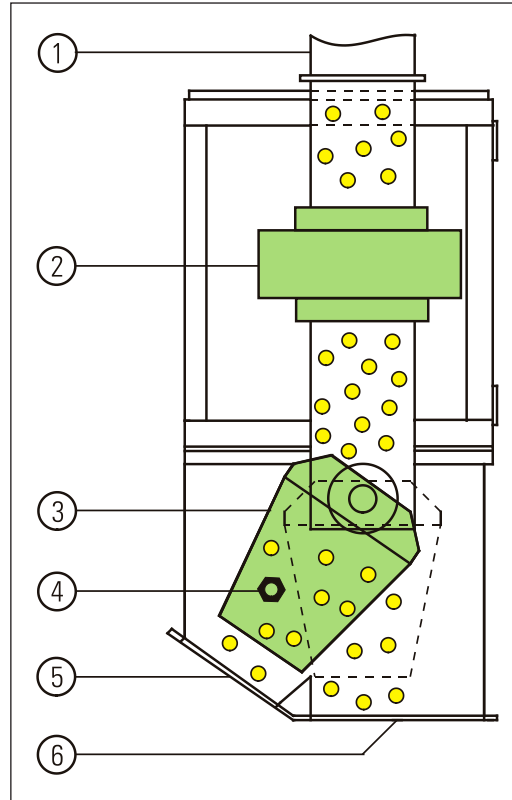
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Function:

The RAPID 6000 metal separator is used for the inspection of bulk materials in free-fall conveyor pipes. It detects all magnetic and non-magnetic metal contaminations (steel, stainless steel, aluminium, ...) - even if such contaminations are embedded in the product. Metal contaminations are rejected by means of a swivel hopper.

The RAPID 6000 metal separator primarily is used in industries with high hygienic demands.

Separation unit with opened cleaning flap.

Function diagram:

1) Inlet   2) Detection coil   3) Swivel hopper
4) Metal contaminant 5) Reject outlet   6) Material outlet

Application:

- Incoming inspection (product purity and machine protection) of spices, ingredients, raw materials, etc. prior to the processing machine (e.g. mill).
- Quality inspection (product purity) of herbs, tea, fibres, etc. directly before filling in bigbags and cartons.
- Quality inspection of breakfast cereals, noodles, chips, directly before a bag-forming, filling, and sealing machine.

Typical fields of application:

- Chemical industry
- Pharmaceutical industry
- Food industry

GENIUS ONE control unit:

- Highest sensitivity for all metals (2-channel technology)
- Digital signal processing and quartz-stable search frequency
- State-of-the-art microprocessor technology with self-monitoring, auto-balancing, and temperature compensation
- Product compensation with auto-learn function
- Multi-product memory
- Password protection / access protection
- Special EMC combifilter for suppressing external interference

(For further information please refer to the "Control Unit" GENIUS ONE brochure).

For detailed information please request our technical data sheet, or contact our experienced Sesotec sales consultants – by telephone or at your place.

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