

# RAPID VARIO-FS

# Metal separator for free-fall applications

- Detects and separates magnetic and non-magnetic metal contamination, even when enclosed in product
- Reduces expensive machinery failure and minimises production downtime
- Ensures product quality
- Prevents customer complaints
- Break even within a very short period of time



- Separation unit and product-contacting metal parts completely made of stainless steel 1.4301 (AISI 304))
- Lowinstallationheight; the metal separator can be easily fitted into existing pipeline systems
- Separated detection and separation units:
  - Free-fall height can be individually adjusted on
  - \*Position of waste reject unit can be turned to match position of collecting tray

- Standard Jacobs adaptors for inlet and outlet ensure quick, hassle-free installation
- Auto-Set (auto-teach function) or manual product compensation (no fixed setting) for improved adaptation to the intrinsic conductivity of the product to be inspected
- Pre-installed parameters for simplified operation
- Enhanced signal-to-noise-ratiominimises electromagnetic pollution and vibrations



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Installation example: Metal separator RAPID VARIO-FS used for the quality control of PET regenerate. (old version)

### **Scope of delivery:**

- Metal separator with separated detection and separation units (mounted via standard Jacobs adaptors)
- Control Unit PRIMUS+

# **Options/Accessories:**

- Audible and visual alarm systems
- · Feed hopper and filler inlet
- · Digital incident counter
- Air pressure monitor
- Magnet system to remove Fe contaminants
- High temperature resistant
- · Special design for abrasive bulk goods
- UL/CSA Certification
- · Removable control unit
- ATEX design

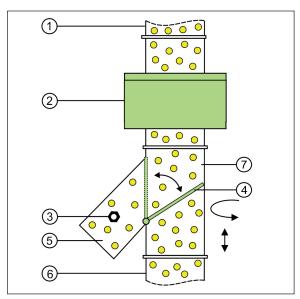


# **Product Description:**

The RAPID VARIO-FS metal separator is used to inspect bulk goods under free-fall conditions. It detects all magnetic and nonmagnetic metal contaminations (steel, stainless steel, aluminium) - even when enclosed in the product. Metal contaminations are rejected through the "Quick Flap" reject unit.

The RAPID VARIO-FS is used mainly in industries with low hygiene applications.

#### **Function Chart:**



1) Infeed

2) Detection coil

3) Metal contamination

4) Separation flap

5) Waste rejection

6) Material outlet

7) Separation unit (turnable, removable)

# **Typical Application Areas:**

- Plastics industry, In-house recycling
- Recycling industry
- Wood industry

- Chemical industry
- Food industry
- · Feedingstuff industry

# **Application:**

- · Machinery protection for extruders, blow moulding machines, fine grinding mills, after dosing (rotary valve, vibratory feed chutes)
- Quality control e.g. for final inspection of outgoing goods, granulate, reclaim, bagging stations, dryers and packing stations

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