



RAPID DUAL

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



- Minimum space requirement and can be easily fitted into existing pipeline systems
- Standard Jacobs adaptors for inlet and outlet ensure quick, hassle-free installation
- Separation unit and enclosure in stainless steel
- Minimal loss of good material through "Quick Flap" reject system
- Vertical, barrier free material throughput; reject angle 40°
- Preinstalled settings allow easy operation
- Teach-in mode or manual product compensation (not pre installed) for better adaption to product conductivity
- drop height 700 mm



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Metal separator RAPID DUAL used for machinery protection during wood pellet production

Scope of delivery:

- Compact system with integrated detection system and separation unit
- Control unit PRIMUS

Options/Accessories:

- Audible and visual alarm systems
- Feed hopper and filler inlet
- Magnet system to remove Fe contaminants
- Filter and regulator valve
- Air pressure monitor
- UL/CSA certification
- Removable control unit
- Control unit SENSITY for higher sensitivity

Typical Application Areas:

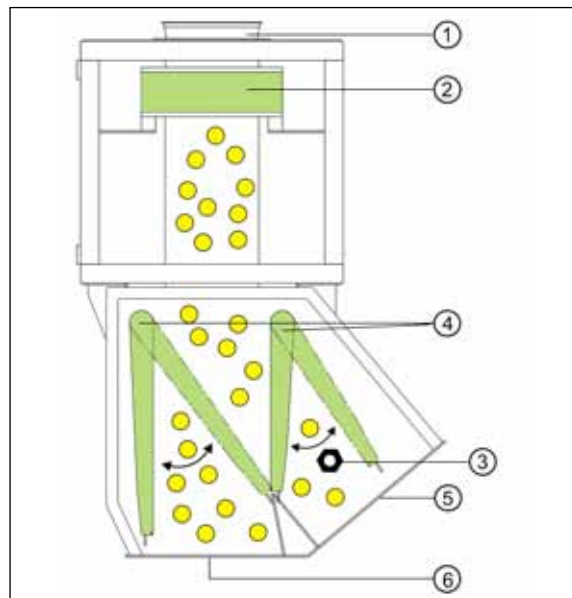
- Plastics industry, In-house recycling
- Recycling industry
- Wood industry
- Chemical industry
- Feedingstuff industry

Product Description:

The metal separator RAPID DUAL is used to inspect slowly moving bulk material such as foil flakes, wooden pellets, etc. as well as large streams in free-fall pipelines.

It detects all magnetic and non-magnetic metal contamination (steel, stainless steel, aluminium) – even when enclosed in the product. Metal contaminations are rejected through the “Quick Flap” reject unit with dual separation flap.

Function Chart:



- 1) Infeed 2) Detection coil 3) Metal contaminant
4) Dual separation flap 5) Rejected material
6) “Good” material

Application:

- Machinery protection for extruders, fine grinding mills, hackers, pellet presses, after dosing (rotary valve, vibratory feed chutes)
- Quality control e.g. for pre-delivery inspection of incoming goods, granulate, reclaim stations or bagging stations