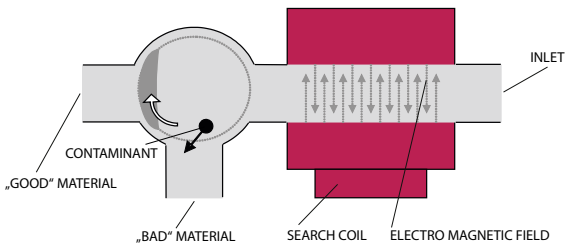
meatLINE 07

METAL DETECTION

METAL SEPARATOR FOR VACUUM FILLERS - FOOD INSUTRY

Reliable *in Process and Detection*
Durable *in Technology and Performance*
Easy *in Installation and Handling*

WORKING PRINCIPLE



- The separator builds compact and handles high volumes due to a fast acting, powerful pneumatic drive. Combined with the interval (optional) control the separator offers optimum sensitivity and minimal material loss from rejects.
- Metal separators are often damaged during the transport to the cleaning room or during cleaning. The rugged frame aids and protects the separator during transport. The no-tilt chassis sits on 4 height adjustable, steerable casters with locking brakes. A cover protects the display from the high pressure cleaner and seals the electronics cabinet against water intrusion.
- Another practical item is the integrated wash basket. Loose parts are stored in this basket during cleaning of the reject system and cannot be lost! A stainless steel chain secures the mechanical parts in case they fall off during cleaning.
- The metal separator can be adapted to almost any vacuum filler with specific adapters. A spindle drive allows for fast and precise operating height adjustment.
- A malfunction in the operating process is no cause of concern: all components are burst proof up to 30 bar (450 psi)!
- One of the principal performance characteristics is reliability. The separator is equipped with an “expanded system monitor” to assure reliability. The system not only controls the basic electronic functions but monitors the movement of the reject valve as well. Faults are immediately and reliably indicated!
- Models without the mechanical part of the reject system and versions with an axis for the drive of a twist off device complete the program. Individual production processes demand tailor-made system solutions!

Applications
Quality control
(to meet the requirement of ISO 9000 and HACCP)

- Electronic meatLine metal separators remove metallic contaminants from liquids, slurries and highly viscous foods automatically and without interruption of the process.
- Clean product - without metallic contaminants passes thru the detector. Metallic contaminants in the product stream change the high frequency field. In this case the electronic evaluation system generates an impulse to activate the solenoid of the reject gate cylinder.
- Due to the rapid diversion of the product stream, product loss is minimized, reject time (dwell time of the reject gate) is adjustable. Reject time will be extended by the pre-programmed time interval should several metal particles pass thru within the given time frame.
- After the metal particle has been successfully rejected the gate returns automatically to the normal position.

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