

PHANTOM[®]

Vent Tube Metal Detector



The PHANTOM[®] Advantage

The unique Fortress Phantom Vent Tube Metal Detector utilizes the latest Digital Signal Processing technology to detect and reject ferrous and non-ferrous metals, including stainless steel. With the highest processing power, Phantom systems are renowned for their superior speed, accuracy and ease-of-use.

Applications

Water, Juice, Pop, Beer, Wine, Beverages

Overview

The Phantom Vent Tube metal detector is utilized in bottling applications to detect and track a fallen vent tube nozzle. The system easily integrates into existing bottle-processing lines, retrofitting where a conventional detector cannot be installed.

The product under test is conveyed through the existing conveyor system which travels through the sensing area of the detector head. The Vent Tube detector is capable of detecting and rejecting ferrous, non-ferrous and non magnetic stainless steel in filled plastic or glass bottles of up to 3 liters.

Constructed with a fully stainless steel case enclosed for washdown purposes, the Vent Tube detector is built rugged to handle the most stringent applications.

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ADVANCED PHANTOM FEATURES

Core DSP	Digital Signal Processing (DSP) technology provides unparalleled precision, speed, and detection results
UltraSense	Maintains high sensitivity levels to detect the smallest metal contaminants
AutoTest	Auto Test ensures consistent performance and saves costs
AutoCal	Automatic Calibration at the touch of a button
Intuitive User Interface	Provides dedicated shortcut keys
Flash RAM	Flash Memory technology prevents information loss
Modular Design	Fewer product parts results in greater reliability

CONTROL OPTIONS

Remote Mounting	Display Panel terminal can be mounted remotely
Multiple Detector Control	One display panel can operate a number of detectors

ADVANCED VENT TUBE FEATURES

Retrofit Design	Ideally suited for integration into existing bottling lines
Rugged Construction	Stainless Steel (304) casing is enclosed for wash-down
Reject Relay	Signal outputs to PLC or filler monitoring system for line control
System Integration	Links into existing fill level and monitoring equipment
Conveyor Compatibility	Suitable for use with plastic and stainless slat conveyors
Versatile Inspection	Inspection of 33cl capped glass bottles and PET bottles up to 3 ltr size

SPECIFICATIONS

Construction	Stainless Steel (304)
Inspection Surface	180 mm (w) x 250 mm (h)
Detection Output	Isolated O/P 0-250 v AC/DC
Bottle Size	Up to 3 ltr
Remote Control Range	Up to 4,000 ft / 1,200 m
Electrical	90-250 v single phase, 1 amp
Rating	IP69K / Nema 4X
Communications	RS485, optional Ethernet box for connection to CONTACT



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