FORTRESS PHANTOM ®

Pipeline Metal Detector

Fortress PHANTOM Series
Pipeline Metal Detector

| **Simple** | **Outstanding** | **Exceptional** |
| Operation | Reliability | Performance |

The PHANTOM Series Advantage

The unique Fortress Phantom Pipeline Metal Detector utilises 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

Soups, Sauces, Pastes, Chocolate, Jams, Sausage Meats, Juices

Overview

The Phantom Pipeline Metal Detector is ideally suited for inline inspection of pumped liquids and pastes that are transported through a pipe.

Phantom Pipeline detectors are built rugged to withstand harsh production environments with Stainless Steel construction. Several material options are available for the non-metallic pipe including nylon, rubber, and Teflon for the more demanding high temperature / pressure applications.

An automatic Reject Valve can be incorporated into the system to remove contaminated product from the flow. Additionally, a test ball insertion / retrieval kit is offered as an option, allowing for ease of manual testing.

Key Technologies

Core DSP
Unparalleled Precision

UltraSense
Ultra Sensitive Detection

AutoTest
Self Diagnostics Testing

AutoCal
System Set-Up in Seconds

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

Integrated Panel	Control Panel is built into the detector
Remote Mounting	Display Panel terminal can be mounted remotely
Multiple Detector Control	One display panel can operate a number of detectors
Portable Display Terminal	Display terminal can be utilized as a portable device

PIPELINE OPTIONS

Diverter Valve Reject System	Various valve styles available including Ball / Plunger – dependent on application
Reject Confirmation	Confirms correct valve operation upon rejection
Pipe Material	Nylon / Teflon / other food approved plastics – dependent on pressure / temperature of application
Heated Water Jacket	Keeps product at a constant temperature
Connection Types	Sanitary clamp / I-Line / Acme threaded

SPECIFICATIONS

Construction	Stainless Steel and food approved plastics
Pipe Diameter	1.5" / 2" / 3" / 4" (35 / 50 / 75 / 100 mm)* * custom sizes available upon request
Pressure Range	Typically 10 ~ 100 psi (1~7 bar)** ** greater range available with optional pipe style
Temperature Range	Typically 14°F ~ 210°F (-10°C ~ 100°C)** ** greater range available with optional pipe style
Rating	NEMA 4X / IP69K
Communications	RS485, Optional: Ethernet / Wireless, via CONTACT Software

Make your Phantom metal detector a Critical Control Point with CONTACT Communication Software

Simple Operation   **Outstanding** Reliability   **Exceptional** Performance