

Pipeline Metal Detection Systems



Reject Valves

Safeline engineers can advise you of the most appropriate style for your application.



User Friendly Interface

The washdown rated control panel is easily understood and is designed to simplify operations.



Leak-Free Operations

Stainless steel fittings are machine swaged to the piping to provide a leak free, permanent connection, suitable for C.I.P.



Product Inspection for Pumped Liquids and Slurries

Safeline Pipeline Detectors are designed to meet the ultimate inspection standards for food processors. Advanced coil design and sophisticated digital signal electronics provide optimum sensitivity and the highest stability, resulting in metal detectors unrivaled by any other model.

Safeline's multi-frequency operation automatically scans and optimizes the correct frequency for each product.

Systems are constructed from heavy gauge stainless steel to stand up to extreme processing and washdown environments.

Pipeline Metal Detector System

- Designed for Sanitary Inspection of Liquid Products
- Multi-frequency Operation
- Vibration Immunity

Top Grade Throughput Pipe and Fittings for Leak-Free Operations - KYNAR PVDF throughput piping, which withstands temperature to 240°F and pressure to 150 PSI, is used for all standard systems. Stainless steel fittings are machine swaged to the piping to provide a leak free, permanent connection, suitable for Clean In Place (CIP). There is no need to periodically disassemble and clean O-rings and clamps required with other systems. Metal fittings available include Tri-clamp, Threaded Ferrules, I-Line and ACME/Bevel Seat.

- Pipe Diameters from 25mm (1") to 150mm (6")
- Water Jacket / Heated Pipe - Double wall pipe may be supplied for applications requiring piping with hot water circulation.
- Aseptic lines - Specialized throughput pipe and approved aseptic reject valves are offered, with both dynamic and static unions and steam tracing if required.
- For temperature and pressure specifications outside the standard, specialized throughput pipes are available, individually pressure tested and supplied with a numbered test certificate.

Multiple Mounting Options - Product flow may be vertical or horizontal and several mounting options are offered:

- Ceiling or wall suspension
- Floor mounted frame at fixed height
- Adjustable height pedestal stand
- Hinge/floor mount for linking to sausage stuffer (or supported on an adjustable floor stand with appropriate threaded fittings on a 2.5" diameter pipe)

Easy-to-Use Control Center - The washdown-rated control keypad is simple to operate and understand. All operating parameters may be set and reviewed from the keypad and access codes may be used to prevent unauthorized adjustment. The control center may be mounted with the detector or remotely in a convenient location. Additionally, Safeline's optional Explorer software allows users to network all detectors to a central computer for comprehensive information management.

Performance Validation - Required by Vender Certification Programs, Performance Validation confirms that the detector has been tested by qualified personnel at approved standards and agreed time intervals. The detector automatically calls for performance checks when required and issued a "Test Overdue" warning if the test is not promptly completed. Once the test is successfully completed, the detector reverts to normal operation.

Safeline offers an Auto Test Sphere Insertion Port for performance validation that automatically inserts the test ball directly into the product stream for greatest accuracy.

Safeline's Extreme High Pressure Washdown Specifications- The highest pressure washdown at most food plants exceed NEMA 4X specs. That is why Safeline developed our Extreme Specifications - the metal detector closure is built to withstand washdown flow and pressure up to 1,000 PSI, that's 5 times more powerful than NEMA 4 specs - guaranteed.

Pipeline Metal Detector Conveyor

Standard Model	PL 25	PL 38	PL 50	PL 63	PL 75	PL100
Nominal Pie I.D. mm	25	38	50	63	75	100
Nominal Pie I.D. inch	1	1.5	2	2.5	3	4
Electrical:	80 - 260V 50/60Hz		Air: 6 ATS (80PSI) for reject valve			

Safeline - making your products safer.



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