

'Y' Valve Diverter Gravity Fall

Metal detection systems for powders & granules



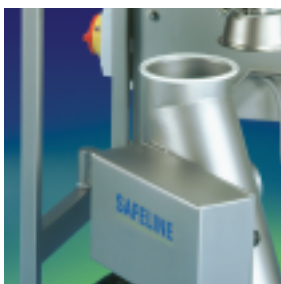
Signature technology

Quick, easy setting through a robust membrane key panel, the well proven Signature electronics platform has long been the industry standard for metal detector operation.



Profile technology

Optional modern full colour touch screen interface is available through the latest Profile electronics platform. Providing a host of on screen features. Profile technology is the modern way to manage metal contamination and detection issues.



Easy clean design

A hygienic design, free of dirt traps allows reject mechanism to be dismantled quickly and easily without the need for special tools for minimised downtime.

'Y' Valve Diverter Gravity Fall

Designed to detect and reject metal contaminated product in bulk gravity fall applications, Mettler-Toledo Safeline's 'Y' Valve diverter systems provide the optimum solution for the inspection of powdered and granular products.

Unrivalled sensitivity allows for the detection of all metal contaminants including the normally difficult to detect non-magnetic stainless steels.

All systems are designed for minimised height allowing them to be installed in applications where space is restricted.

Y Valve Diverter Gravity Fall

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Features

- Unrivalled detection sensitivity
- Rapid clean reject mechanism
- Reduced installation space
- In-line validation and test routines
- Atex compliant to Ex II Cat 2D T79 C
- Profile touch screen or Signature membrane electronics



Unrivalled detection sensitivity

Safeline metal detectors offer the highest levels of sensitivity across a wide range of applications.

The use of high frequency technology combined with enhanced filtering techniques deliver the highest levels of sensitivity across all metal types, including the normally difficult to detect non magnetic stainless steels. Non spherical contaminants such as wire, swarf and slithers of metal are also detected.

Rapidclean reject mechanism

The rapid clean reject mechanism incorporates a hygienic tubular design, free from potential dirt traps. The tool free, quick release clamp design and swing-out frame mounting enable a routine clean of the sealed flap reject to be effected in minutes, making it ideal for applications with frequent product changeovers.

Reduced installation space

Incorporating unique, patented Internal Cancellation Field (ICF) technology the metal detector can be installed in close proximity to other metal structures. The compact foot print of the Rapidclean reject device make installation and cleaning possible in spaces previously too restricted to accommodate detectors with auto reject systems. Special further reduced height solutions are also available for the truly space limited.

In-line validation and test routines

Integrated in-line performance validation and test facilities, essential for evidencing customer and regulatory compliance, are available to assist in the verifying correct system operation and usage.

Atex Compliant to Ex II Cat 2D T79 C

Designed to work in dusty environments where there is potential explosion hazard the systems are ATEX compliant.

Profile touch screen or Signature membrane electronics

A choice of electronics from the very latest Profile electronics with touch screen icon driven windows style interface or the more familiar membrane Signature electronics. Both electronic options offer sophisticated digital signal processing with a long list of features. For more detailed information see separate data sheet.

Product Data Model	Tube Diameter	Typical Throughput Kg/hr	Overall Length	Max Fall Height	Sensitivity		
					Fe	Non-Fe	SS
Y-GF 50	50	1,500	850	350	0.25	0.3	0.4
Y-GF 100	100	6,000	1000	550	0.4	0.45	0.5
Y-GF 125	125	9,500	1150	800	0.5	0.6	0.7
Y-GF 150	150	13,500	1150	800	0.6	0.7	0.8
Y-GF 200	200	24,000	1400	800	0.7	0.8	1.0
Y-GF 250	250	38,000	1500	800	0.9	1.0	1.2
Y-GF 300	300	54,000	1650	800	1.0	1.2	1.4

Certain products exhibit a product effect which may limit sensitivity

Dimensions in mm

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