

Pharma GF Pharmaceutical Gravity Fall Metal Detectors



Easy to operate

Built on METTLER TOLEDO SAFELINE'S proven Signature electronics platform, operation and setting are made easy through an intuitive, menu-driven key panel interface.



Maximum versatility

Compact, self-contained design allows for installation in confined spaces making Pharma GF suitable for use in all pharmaceutical gravity fall applications.



Integrated reject system

Robust, easy clean integrated reject unit designed to suit the demands of the pharmaceutical industry and for compliance with 21 CFR parts 210 & 211.



Optional EQ Pac equipment qualification

Fully documented IQ, OQ & PQ protocols package available for equipment qualification and regulatory compliance.



Pharma GF

Pharma GF systems offer the highest performance possible in integrated gravity fall metal detection and rejection systems for the pharmaceutical industry.

Designed for use with all gravity fall fine powder and granular applications, Pharma GF systems provide unrivalled detection sensitivity. All metal contamination including difficult to detect non-magnetic stainless steels and sieve wire can be identified and rejected in flight.

Incorporating built-in performance validation routine software and with sealing to IP65 standard, Pharma GF is designed and built to comply with FDA, GMP and other industry standards.

Pharma GF systems are 21 CFR part 11 ready and are supportive of GAMP 4 compliance.

Technical data
Pharma GF
Pharmaceutical gravity fall metal detectors

Features

- Unrivalled detection sensitivity
- Pharmaceutical construction standards
- Built-in performance validation routines
- 21 CFR part 11 ready
- Integrated reject system
- Data collection & network connectivity
- Optional EQ Pac qualification package



Unrivalled detection sensitivity

Pharma GF metal detectors have been developed specifically for use in the pharmaceutical industry to deliver maximum on-line sensitivity. Detectors achieve the highest levels of sensitivity to all metal types by combining an ultra high frequency coil system with sophisticated digital noise and vibration filtering techniques. Minute particles of ferrous, non-ferrous, magnetic and even non-magnetic stainless steels are detectable along with non-spherical contaminants such as screen and sieve wire, swarf and fine slithers of metal.

Pharmaceutical construction standards

Designed to meet pharmaceutical hygiene standards and in accordance with FDA guidelines CFR 21 parts 210 & 211, the complete unit is constructed to an IP65 sealing standard. Manufactured from mirror-polished stainless steel and incorporating a pharmaceutical grade non-metallic product throughput chute, the quick release design allows for fast strip down and easy cleaning.

Built-in performance validation routines

Built-in performance validation routine software indicates when scheduled system testing is due and assists QA personnel by guiding them through the test routines step by step. Reject confirmation software monitors the operation of the reject system and alarms if the reject fails to operate within the allocated reject time.

21 CFR part 11 ready

In accordance with the 21 CFR part 11 standard, Pharma GF systems are 21 CFR part 11 ready and can provide full compliance with the standard when connected to a suitable computer or data storage device.

Integrated reject system

The robust integrated diverter mechanism activates rapidly on detection to ensure that contaminated material is removed from the product flow. Quick release clamps and hand tightened screws enable the reject housing to be opened rapidly without the use of tools for easy access and cleaning.

Data collection & network connectivity

The inclusion of an optional ethernet adapter within the electronics enclosure enables Pharma GF systems to provide real time data to all leading data collection and factory management systems. This data can be used for remote setting and analysis, signalling of events/alerts/warnings, regulatory compliance, proof of due diligence and compliance with 21 CFR part 11.

Optional EQ Pac qualification package

Pharma GF metal detectors are available with our comprehensive EQ Pac equipment qualification package containing fully documented IQ, OQ & PQ protocols.

Product data

Model	Detector Aperture (mm)	Useable Aperture with feed chute (mm)
Pharma GF 76x22	76 x 22	71 x 18
Pharma GF 95x38	95 x 38	90 x 34

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