



SHARK® PH 0052

Metal detection for tablets and capsules

METAL SHARK® PH For Pharmaceuticals



Infeed funnel included (mirror polished SS316)

Disassemble the reject without tools

Reject won't damage tablets

Typically, the METAL SHARK® PH types are used at the outlet of a tablet press and *provide highest performance* in detecting magnetic and non-magnetic metals. The tablets fall through the metal detector. With the reject flap smallest metal objects are separated out of the goods' stream promptly. With a maintenance free design and high quality construction, for reliable operation in the most challenging industrial environments.

Outstanding Sensitivity and Stability

The METAL SHARK® provides outstanding sensitivity, accuracy, stability and precise compensation of product effects.

IQ, OQ, PQ, SQ Qualification Templates

Cassel supplies the required qualification templates along with the METAL SHARK® PH metal detector (SQ is optional).

Performance validation

The performance validation automatically prompts the operator to test the performance of the Metal Shark at pre-set intervals.

Infeed and Reject

System Chutes, moulded, for both infeed and reject, throughput max. 5000 tablets per minute. Solenoid driven stainless steel reject diverter mechanism, mirror polished, variable infeed / outfeed height Quick demount design for easy cleaning.

Support Stand

Stainless steel support stand, mirror polished, mobile through castors and fixed feet, height adjustable.

No Maintenance

The automatic balance and calibration control ensures many years of reliable performance. The requirement for costly routine manufacturer actions is eliminated. Once set, the METAL SHARK® does not require any manufacturer adjustment at all. Therefore implementing the METAL SHARK® PH will help to save your service budget.

Specifications

Model: METAL SHARK[®] PH 0052, Article #10710006

Pharmaceutical metal detection system featuring: PH Sensor head, Infeed and reject system, Mobile frame with castors, Stainless steel mirror polished .

Infeed and Reject System:

- PVDF pipe, inner diameter 44 mm (1,73")
- Solenoid driven reject diverter mechanism
- Variable infeed / outfeed height
- Quick demount design for easy cleaning

Support stand:

- Stainless steel support stand
- Mobile through castors and fixed feet
- Height adjustable

Tablet flow rates:

- Tablet $\varnothing 5 \times T3.5$ mm = 31200 pcs/min.
- Tablet $\varnothing 7 \times T4.5$ mm = 26500 pcs/min.
- Tablet $\varnothing 12 \times T4.5$ mm = 12200 pcs/min.
- Tablet Oval $W9 \times L16.5 \times T6.5$ mm = 10500 pcs/min.

Best metal sensitivity:

- Fe $\varnothing 0,3$ / NFe $\varnothing 0,4$ / SS(316) $\varnothing 0,5$ mm

Controller Features

Model: METAL SHARK[®] PH CONTROL BOX, Article #10250031

Digital signal processor, digital noise filter, digital balance control, digital frequency control with synthesizer, digital temperature shift control, continuous self monitoring, maintenance-free, no need for calibration, self calibration of all circuits, PowerDrive circuit, Product Compensation performed automatically, with auto TEACH key

Output Signal metal alarm with potential-free changeover contact, metal alarm for 24 V SPS activation

Measuring Method inductive, multi channel operation, balanced receiver coil

Product Library 120 storage spaces

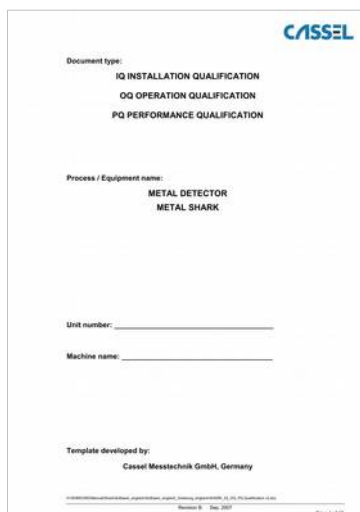
Ambience temperature -10 to +50 °C, humidity 30 to 85%

Power Supply one phase 85 ~ 264 V AC, 50/60 Hz, 100 Watt

Interface RS232, RS485, provides documentation

More detailed features:

refer to separate datasheet for METAL SHARK[®] CONTROLLER



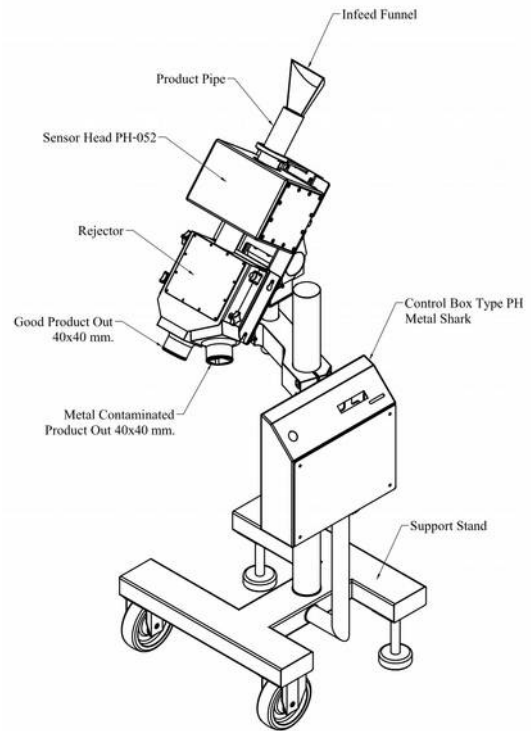
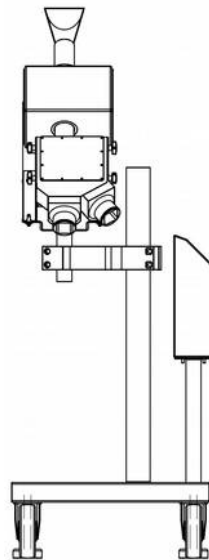
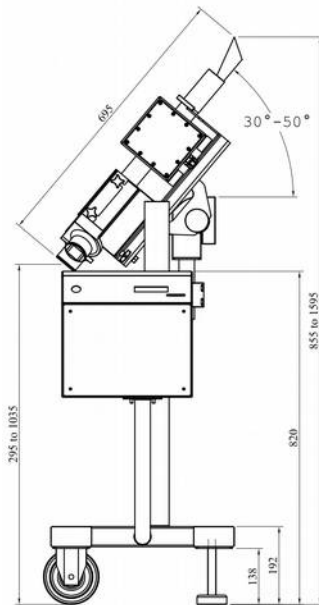
Included documents

- IQ/OQ/PQ qualification templates
- SQ qualification template (option)
- Material certificates
- Testpuck certificates
- METAL SHARK[®] PH Manual

METAL SHARK® PH

For Pharmaceuticals

Dimensions



As a manufacturer Cassel is committed to highest standards of quality. For more than ten years our goal has been to ensure the quality of your products. Our reputation has been earned by protecting yours. We supply customers in different industries worldwide such as Foods, Plastics, Pharmaceuticals, Textile, Timber and Mining. Our headquarters and state of the art manufacturing facility are located near Hannover in the heart of Germany. Each year we manufacture and deliver over 1000 metal detection systems. Approximately 80% of the production is heading for export markets. To ensure you get the very best of service and support wherever on the globe you are using our metal detectors, we have a worldwide network of partner agents.

Cassel GmbH Germany | In der Dehne 10 | 37127 Dransfeld
 Tel.: +49(0)5502-9115-0 | Fax: +49(0)5502-9115-32 | www.cassel.de