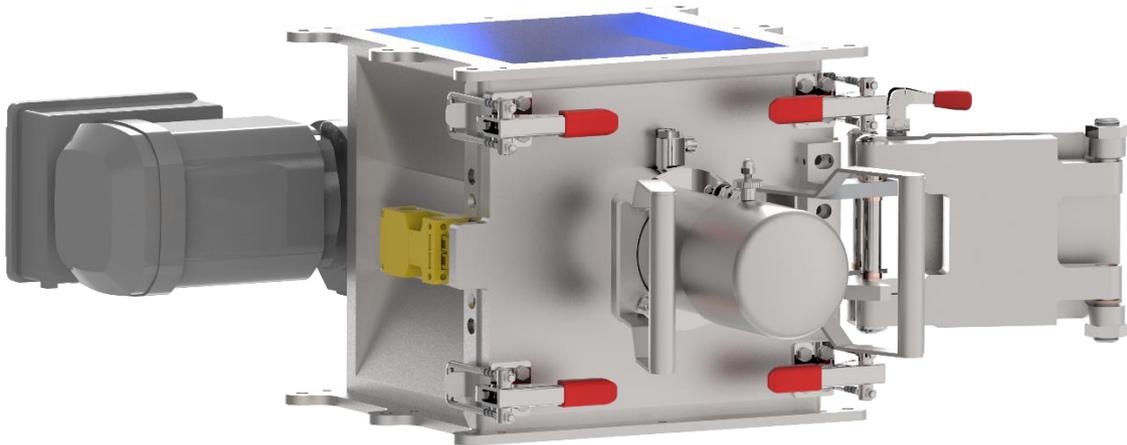


## PRODUCT INFORMATION

### Magnetic filter type series HLM RO-...-SWA-SR



RO-3-60-SWA-SR

#### **Area of application**

The magnetic filter type HLM RO-...-SWA-SR is used for separating ferro- and paramagnetic iron impurities from dried, partially flowing product streams with a bridging tendency. The filter is designed for and used in areas of the food, chemical and pharmaceutical industries depending on the requirements of the operating company.

#### **Operating principle**

The product to be cleaned flows through the magnetic filter with the magnetisable ferro- and paramagnetic iron impurities being attracted by the magnetic rods and adhering to the magnetic rods/cladding tubes.

#### **Cleaning**

To remove any captured impurities, open magnetic filter, swing the magnet unit out of the housing and pull cladding tube component from magnetic rods. Impurities can easily be removed from the non-magnetic cladding tube. After cleaning the cladding tube component, reassemble the rotation magnet filter in reverse order.

Technical data for magnetic filter RO-...-SWA-SR							
Pipe connection		Number of magnetic rods	Diameter of magnetic rod	Flux density (Gauss) in contact with the product in relation to the temperature range		Material qualities of the components in contact with product	
Nominal width mm <sup>2</sup>	Throughput volume m <sup>3</sup> /h			Flux density < 80 °C	Flux density < 150 °C	Magnetic rod	Housing
250	< 25	3	60	11000	On request	1.4571	1.4301 / 1.4571
350	< 45	5	60	11000	On request	1.4571	1.4301 / 1.4571

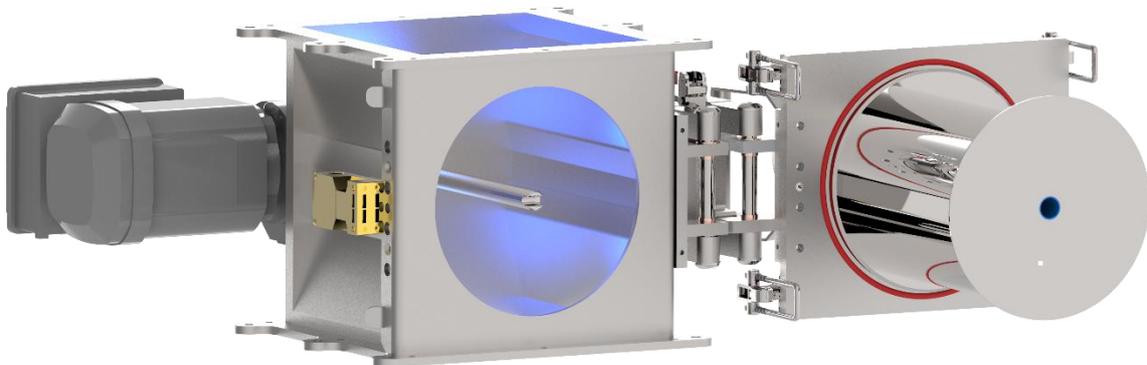
**The magnetic filters are produced with all required connections (flange, Jacobs flange, pipe ends, etc.) as per customer request.**

**Dimensions of the unit are adapted to flow volume and product properties (material density, bulk weight, etc.). Each magnetic rod is welded/encapsulated watertight in a stainless steel jacket.**

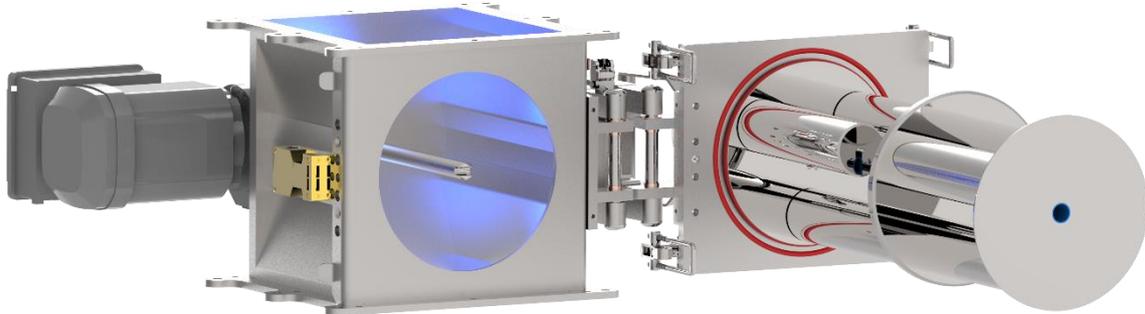
**ATEX as needed.**

### Requirements for place of installation

- Compressed air (cleaned) max. 0.5 bar, device with compressed-air-flushed shaft feedthrough
- Power supply 380V
- Switching current for safety switch 24 V



RO-3-60-SWA-SR with swung-out magnet unit, magnets fixed to the door



RO-3-60-SWA-SR with swung-out magnet unit (magnets fixed to the door) and drawn cladding tube component, cleaning process

### Technical data for magnetic rod

Magnet material	Rare earth material (NdFeB)
Magnetic field strength	max. 16,000 Gauss measured on magnetic rod surface max. 11,000 Gauss measured on cladding tube surface, depending on temperature range
Diameter	60 mm
Flow rate	depending on the technical implementation and flow behaviour of the product

### Housing data

Material quality	Implementation stainless steel 1.4301 or 1.4571 (brushed, frosted or polished)  Seals according to regulation (EC) no. 10/2011, regulation (EC) no. 1935/2004, regulation (EC) no. 2023/2006 (GMP)
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