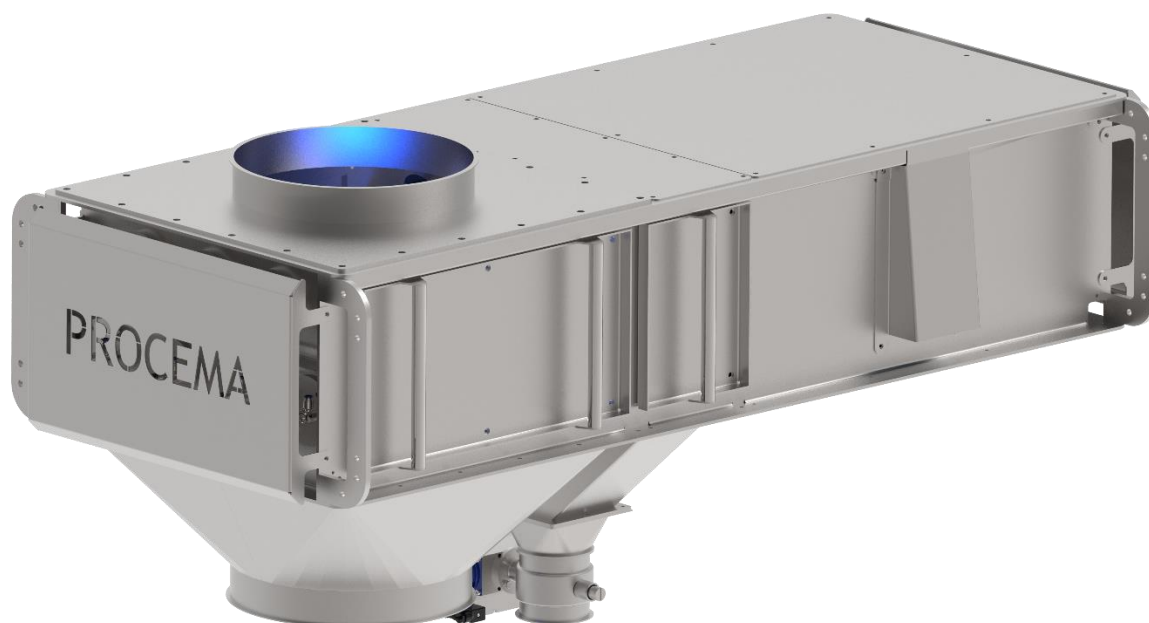


PRODUCT INFORMATION

Automatic metal separator

Type series HLM R-...-60-AS



HLM R-7-60-AS metal separator with transitional piece to Jacob DN 350

Area of application

The magnetic filter type HLM R... is used for separating ferromagnetic and paramagnetic iron impurities from dried, powdery, free-flowing, lumpy product stream, predominantly in free-fall pipes. The filter is designed for and used in 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 and in particular the magnet rods in a cascade-like manner with the magnetisable ferromagnetic and paramagnetic iron impurities being attracted by the magnetic rods and sticking to them.

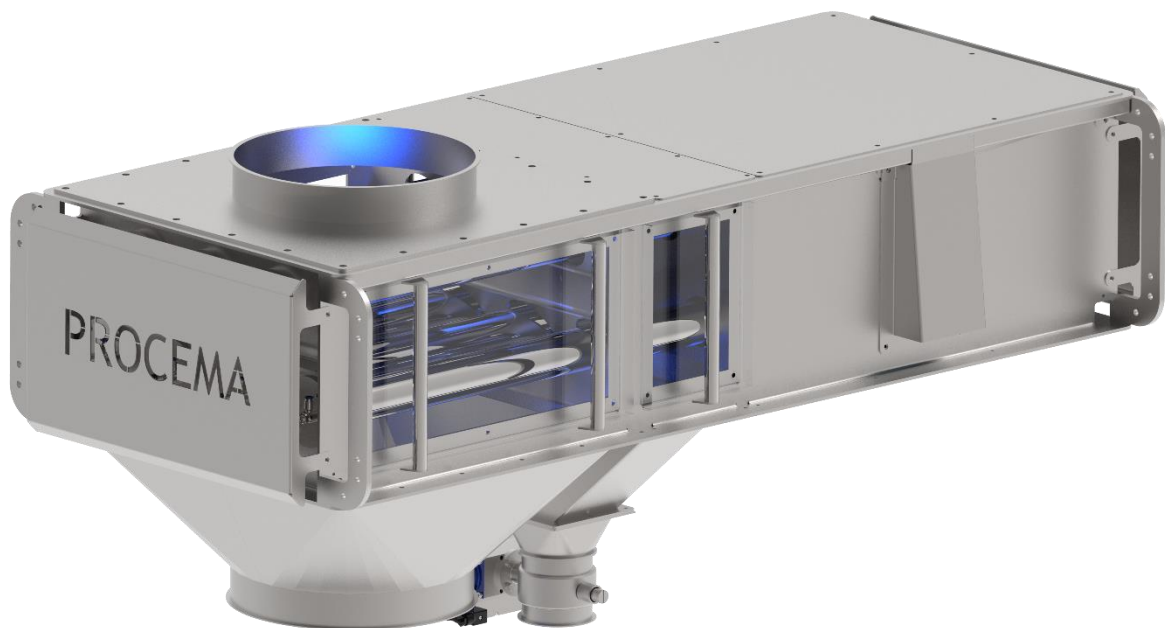
Cleaning

Impurities are automatically removed from the product stream. Cleaning takes place in continuous or intermittent operation.

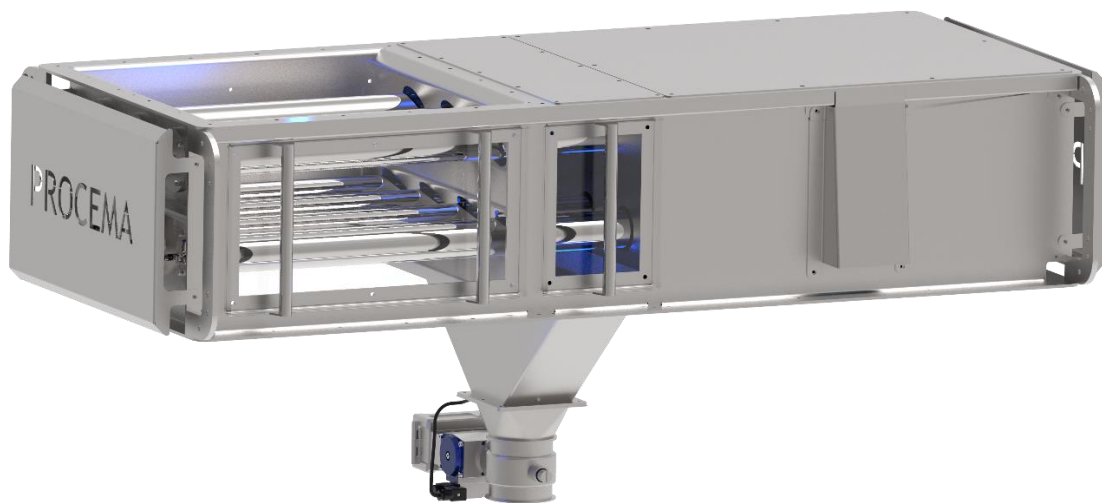
Technical data for magnetic filter R-...-60-A (two-layers as standard)

Inlet/outlet dimensions	Diameter of magnets	Number of magnetic rods	Lengths of magnets	Temperature range in °C			Material qualities of the components in contact with product	
				up to 80	up to 150	up to 300	Magnetic rod	Housing
L*W	mm		mm					
250 * 250	60	3	250	X	X	X	1.4571	1.4301 / 1.4571
400 * 400	60	5	400	X	X	X	1.4571	1.4301 / 1.4571
550 * 550	60	7	550	X	X	X	1.4571	1.4301 / 1.4571
700 * 700	60	9	700	X	X	X	1.4571	1.4301 / 1.4571

**Magnetic filters are produced with all required connections (milk pipe, flange, Tri-Clamp, imperial, pipe ends, etc.) as per customer request. Rectangular flanges are also possible.
The devices are individually adapted to flow volumes and product characteristics.
ATEX available for all device sizes**



HLM R-7-60-AS magnetic separator with transition piece to Jacob DN 350, inspection opening opens



HLM R-7-60-AS magnetic separator with flange connections 550x550 mm, inspection chambers open

Technical data for magnetic rods

Magnet material	Rare earth material (NdFeB)
Magnetic field strength	max. 12,000 Gauss on cladding tube surface in contact with product measured*
Diameter	60 mm
Flow volume	depending on technical model and product as well as the flow characteristics of the product
	*depending on the operating temperature and the magnetic rod row measured

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)