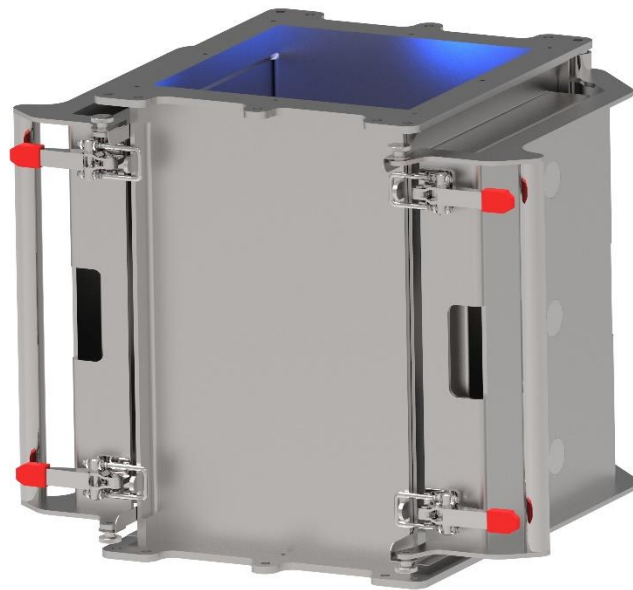


PRODUCT INFORMATION

Magnetic filter, type series HLM- APM for partially flowing and lumpy products with external magnetic plates



APM Standard with square flange connection

Area of application

The magnetic filter type HLM-APM is used for separating ferromagnetic and paramagnetic iron impurities from dried, partially flowing and lumpy product streams. 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, whereby the magnetisable ferromagnetic and paramagnetic iron impurities are attracted by and adhere to the magnetic plates.

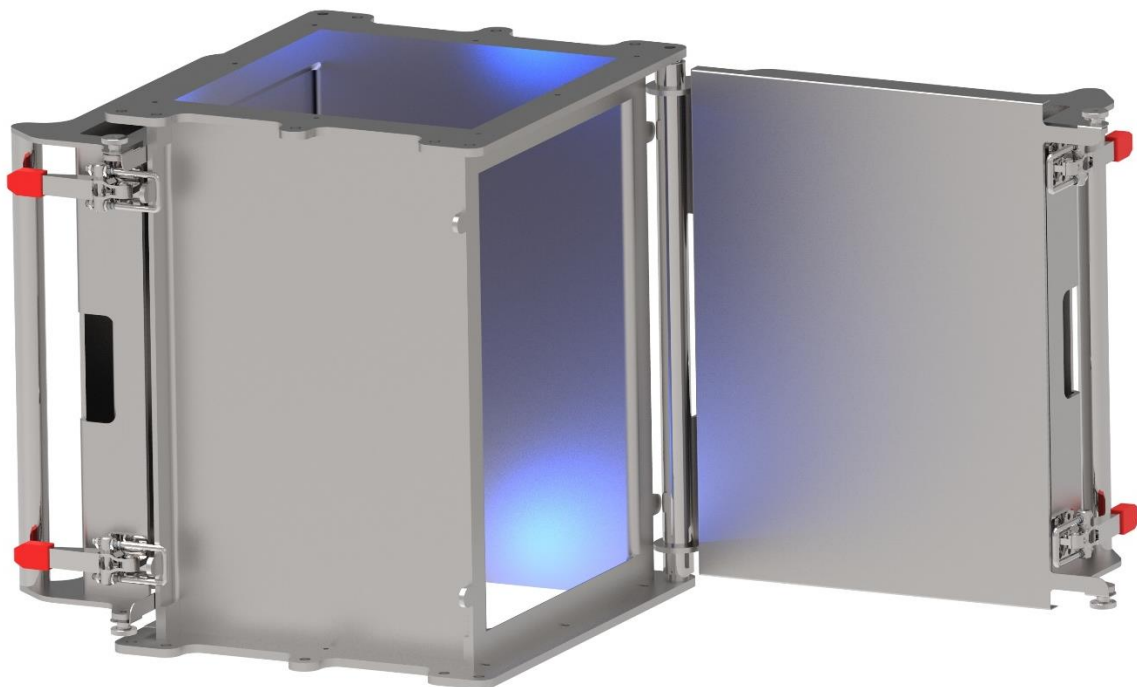
Cleaning

In order to remove the captured impurities the side doors are opened and swivelled out of the housing, and the cleaning plates are swivelled away from the magnetic plates. The impurities fall off. After cleaning, swivel the cleaning plates back to the magnetic plates, bolt them and close the doors. All the parts remain on the device during the cleaning procedure.

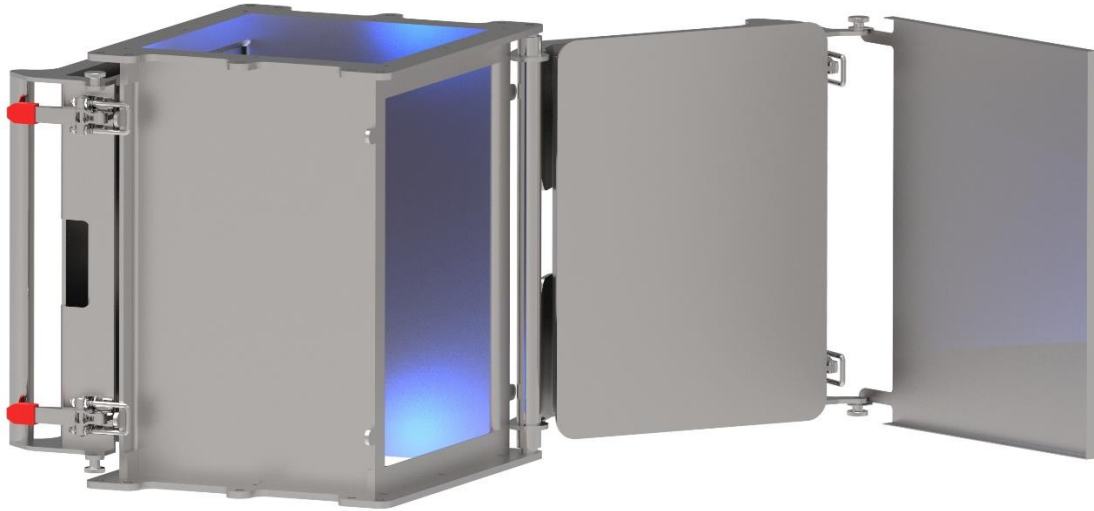
Technische Daten Magnetfilter APM							
Pipe connection		Quantity the Magnetic plates	Scraping plates	Flux density (Gauss) in contact with the product in relation to the temperature range		Material qualities of the components in contact with product	
Nominal width mm ²	Throughput volume m ³ /h		Present	Flux density < 80°C	Flux density < 150°C	Magnetic plate	Housing
100	< 8	2	yes	5000	On request	1.4301/1.4571	1.4301 / 1.4571
150	< 25	2	yes	5000	On request	1.4301/1.4571	1.4301 / 1.4571
200	< 60	2	yes	5000	On request	1.4301/1.4571	1.4301 / 1.4571

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

Dimensions of the unit are adapted to flow volume and product properties (material density, bulk weight, etc.).



APM with doors opened



APM with cleaning plates swivelled out for cleaning procedure

Technical data for magnets

Magnetic plate	2 pcs
Magnet material	Rare earth material (NdFeB)
Magnetic field strength	max. 5,000 Gauss measured on the cleaning plate, dependent on the temperature range

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)