

## **PRODUCT INFORMATION**

**Automatic magnetic separator for liquid and pumpable products**  
**Type series TR-4-60-AS**



Magnetic separator TR-4-60-AS

### **Area of application**

The magnetic filter type TR-4-60-AS is used for separating ferromagnetic and paramagnetic iron impurities from liquid/pumpable media. The filter is designed for the food, chemical, pharmaceutical, mineral and raw materials industries depending on the requirements of the operating company.

### **Operating principle**

The product to be cleaned flows through the magnetic filter with the magnetisable ferromagnetic and paramagnetic iron impurities being attracted by the magnetic rods and adhering to them.

### **Cleaning**

Impurities are automatically removed from the product stream by a flushing sequence.

Cleaning takes place in intermittent operation.

## Technical data for magnetic filter TR-4-60-AS

Dimensions Infeed Outlet	Dia- meter of magnets	Number of magnetic rods	Length 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
100	60	4	250	X	X	X	1.4571	1.4301 / 1.4571

**The magnetic filters are manufactured with all required connections as per customer request.  
The devices are individually adapted to flow volumes and product characteristics.**



Magnetic separator TR-4-60-AS, protective hood partially removed



Magnetic separator TR-4-60-AS, protective hood removed

### 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)
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