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Wedge wire filter AS50

MTS & APIC wedge wire filters are self-cleaning filter units which, with their robust stainless steel construction and user-friendly design, are also ideally suited for demanding operating conditions.

The filter is composed of the following parts:

- Filterhead with spur gear motor
- Scraper blade unit with wedge wire element and scraper blade
- Lower housing part with drain valve and clamp

The filtration process takes place through the filter element from the outside to the inside, with the solids accumulating on the outside. The gear motor rotates the cylindrical wedge wire element and the applied scraper blade scrapes the solids from the outer surface.

These solids then settle in the lower part of the filter housing and are discharged to the outside by the system pressure inside the housing when the drain valve is opened.

Discharge of solids can generally be accomplished in three ways:

- Manually: By opening and closing a ball valve
(Manual ball valve included in the delivery)
- Automatic: By a time-controlled valve
-> Timer control TA-01B
- Automatic: With an electronic control system with differential pressure monitoring, which controls a drain valve
-> Automatic control AS-E4-01

Maintenance and cleaning of the filter is possible without much effort, as only four eyebolts have to be loosened in order to take off the lid (with gear motor) and remove the scraper blade unit.

After the interior of the housing is accessible easily and can be completely cleaned very easily.

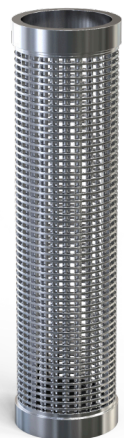
Optionally, the filter is also available in an internally polished version, which again significantly improves the cleaning behavior.

Technical data

Material head:	Stainless steel 1.4301
Material lower housing and inner parts:	Stainless steel 1.4404/ 1.4571
Material filter element:	Stainless steel 1.4404
Material scraper blade:	Stainless steel 1.4310
Gaskets/ O-Rings:	Viton (others on demand), PTFE
Micron rating:	25µm to 3000µm
Working pressure:	0 to +16 bar
Working temperature:	+10°C to +80°C (others on demand)
Gear drive:	Stirnrad-Getriebemotor
Mains connection:	400 V, 50 Hz (others on demand)
Safety class:	IP54 (optional with ATEX)
Flow rate:	Max. 3,5 m ³ /h ¹
Manufactured in accordance with 2014/68/EU article 4, par. 3	
¹ for water at 100 µm	

Applications

- Paints and coatings
- Emulsion paints
- Ink
- Underbody protection
- Lubricants
- Adhesives
- Solvents
- Oil
- Emulsions
- Electrophoresis coating
- Softening agents
- Coolant
- Polyurethane



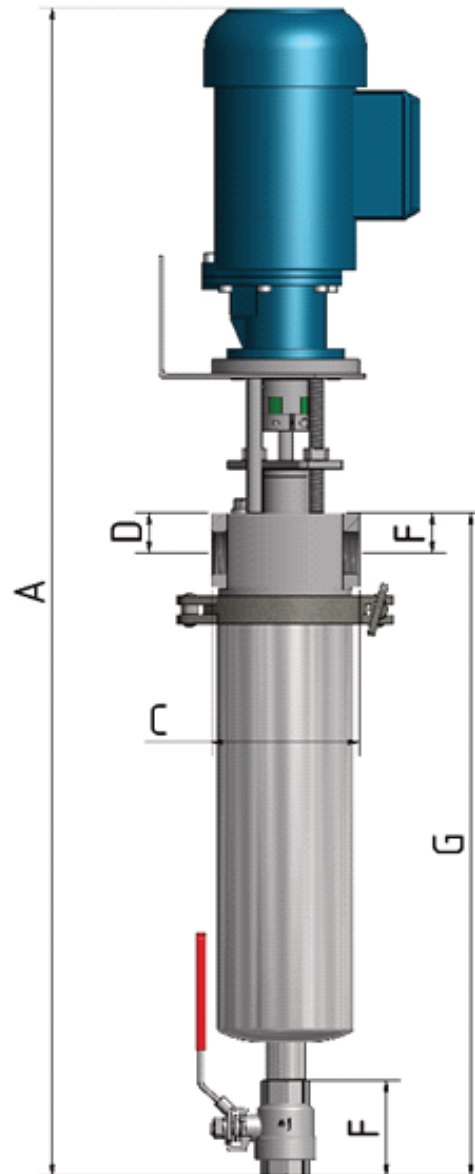
Wedge wire elements AS50



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Dimensions

Type	A	B	C	D	E	F	G
AS50	810	300	100	27	27	80	460



AS50
Volume: 1,5l

Order information

Type	
Kantenspaltfilter AS50	AS50/1

Order example: AS50/1