

AS-Self Cleaning Filter



AS-Self Cleaning Filter made of stainless steel with wedge wire element

The robust AS-Self Cleaning Filters are engineered for industrial applications to remove solid particles from aqueous and viscous media. The self cleaning is enabled by a fixed wiper blade, which is placed on a rotating wedge wire element and which is cleaning it permanently. The special flow direction bottom-up assists the removal of heavy-weight solids additionally. The impurities accumulated in the housing and on the wiper blade can be flushed out manual or automatically by the drain in the bottom. The lateral bearings can be used for suspension mounting of the AS-Self Cleaning Filter. A special rack is available as an accessory and is facilitating the handling when removing the filter cartridge during maintenance and inspection. AS-Self Cleaning Filters are available in four sizes from 240 cm², 415 cm², 695 cm² to 1055 cm², the according AS-wedge wire cartridges in the slot sizes from 25 µm to 3000 µm.

Technical Data

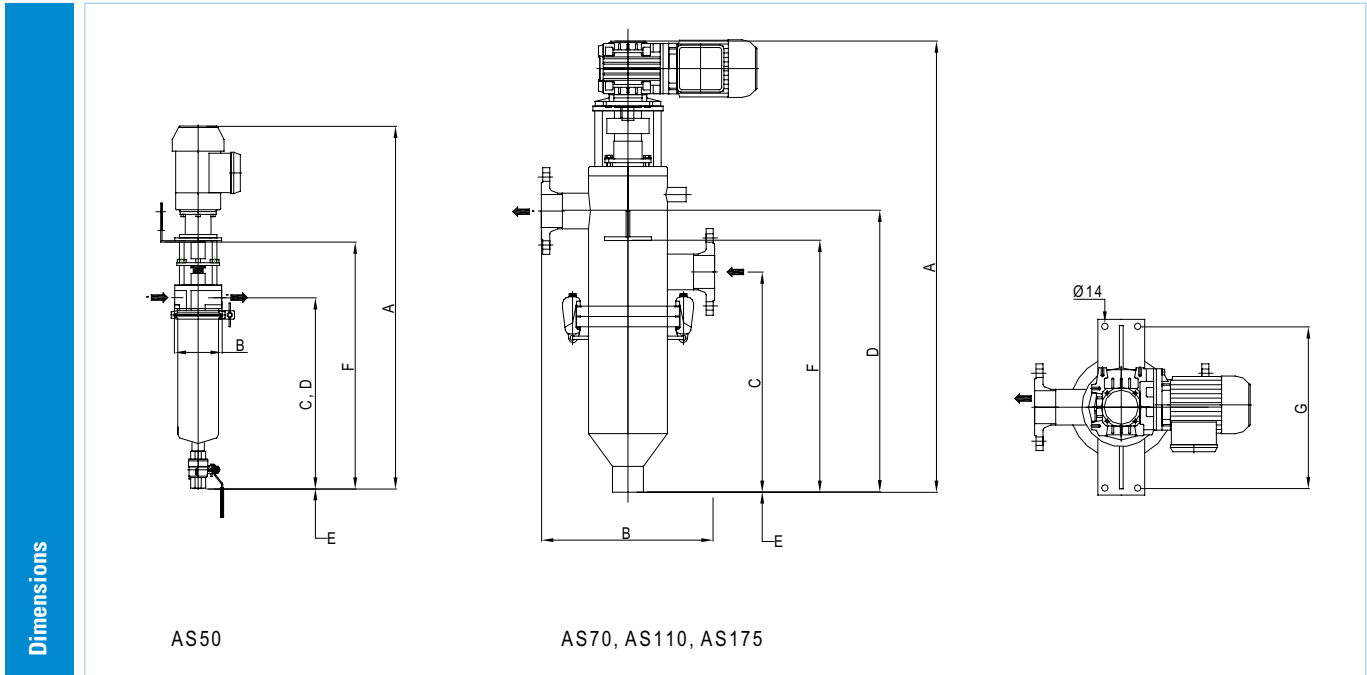
Material:	Housing: 1.4571 (316Ti), AS50: 1.4301 Filter element: 1.4435 (316 L Mo+) Installations: 1.4571 (316 Ti), AS50: 1.4301 O-Rings: Viton und PTFE
In-/Outlet:	see table
Drain:	G 2" female thread, AS50: R ¾" male thread
Vent/backwash:	G 1" female thread, AS50: G 1/8" female thread
Pressure:	max. 10 bar
Temperature:	max. 95°C
Drive:	400 V , 50 Hz, 0,09 kW, IP65
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection, the slot size of the used filter element, the assembly size of the filter housing as well as the dirt load and viscosity of the filtrate medium.

Applications

- Paints, varnish, dispersions, adhesives
- Chocolate, gelatine, syrup, whey, jam
- Cleaning agents, rinse water, washing water
- Waste water, dump seeping water

Features and Benefits

- Self Cleaning Filter with fixed wiper blade and rotating filter cartridge
- Wedge wire elements 25 µm to 3000 µm
- Four assembly sizes with filter areas 240 cm², 415 cm², 695 cm² and 1055 cm²
- Inlet to outlet flow direction bottom-up
- Suspension mounting construction is facilitating maintenance and inspection
- Housing and installations made of stainless steel
- Motor IP64, optional with Ex-proof/Atex-declaration



Dimensions

AS50

AS70, AS110, AS175

Typ	Flow rate* [m³/h]	Inlet Outlet	Drain	Vent Backwash	Volume [l]	Weight [kg]	A	B	C	D	E	F	G
AS50/2	1,5	G 1"	R ¾" AG	G 1/8" IG	2	12,5	880	100	435	435	300	620	---
AS70	3	DN50	G 2" IG	G 1" IG	11	41	865	365	370	500	300	435	335
AS110	5	DN65	G 2" IG	G 1" IG	13	47	965	365	470	600	300	535	335
AS175	10	DN80	G 2" IG	G 1" IG	23	81	1030	465	520	670	300	580	420

* Max. recommended flow rate for water and 100µm wedge wire element. The effective flow rate correlates to the nominal diameter of the housing connection, the slot size of the used filter element, the assembly size of the filter housing as well as the dirt load and viscosity of the filtrate medium.

Dimensions

Order example	
AS	175
1	2
	3

Order information	
Position	Designation
1	AS = AS-Self Cleaning Filter
2	50/2 = Wedge wire filter 240 cm² surface area
	70 = Wedge wire filter 415 cm² surface area
	110 = Wedge wire filter 695 cm² surface area
	175 = Wedge wire filter 1055 cm² surface area
3	Accessories / Options
	- = Standard
	EX = Ex-Motor with ATEX-declaration

Order example

Order information