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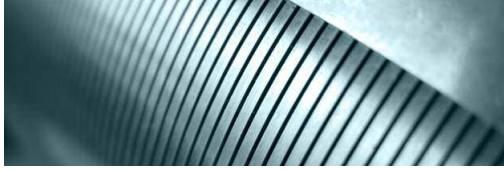
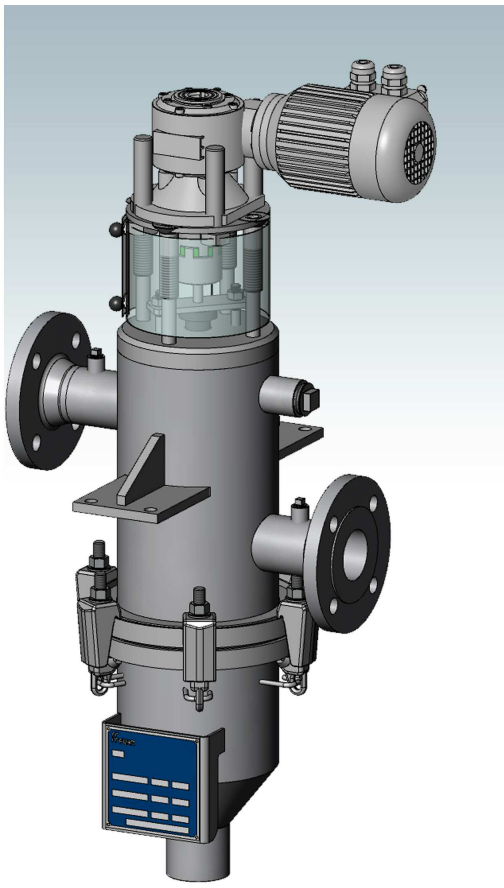


Type **KSF-400 up to KSF-1000**
Self-cleaning wedge wire filter

The self-cleaning filters of series KSF-400 up to KSF-1000 made of an upper and a lower part. Both parts are connected with a quick clamp optionally with bracket screws together. The inlet and outlet are offset in height and are located opposite one another. The fixed scraper plate is mounted on the adjustable scraper element and have a low-maintenance. The drive of the filter element is effected by a geared motor. The resulting debris are collected in the lower part of the housing and will drained at intervals. The system of our self-cleaning filter is made of a V-profile which is welded in a precisely defined spacing on a circle of supporting profiles. This creates a solid, stable in themselves wedge wire element. Using a V-profile avoids a blocking of the free filter surface.
The continuous cleaning of the rotating element is performed by a fixed scraper plate.

The elements are available in micron ratings 35 up to 3000 µm.

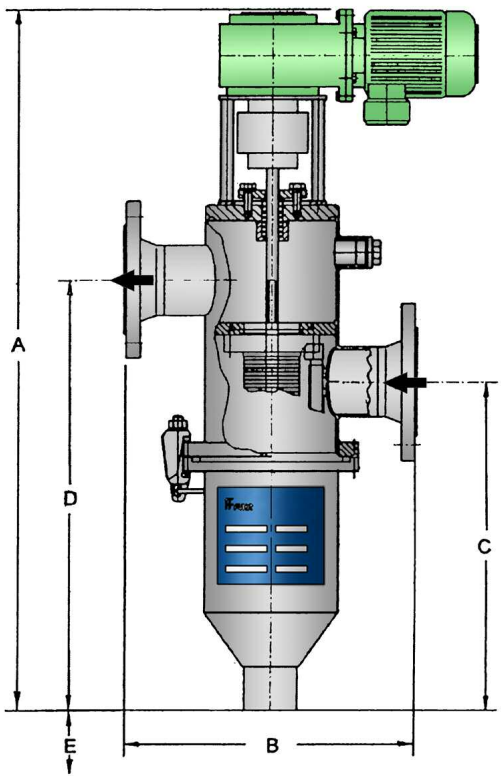


TECHNICAL DATA

KSF-400 up to KSF-1000

	KSF-400	KSF-700	KSF-1000
Flow rate*	13 m³/h	25 m³/h	35 m³/h
Material filter housing	1.4571		
Material wedge wire element	1.4435		
Inlet and outlet (N1/N2)	R2 o. Fl. DN 50	flange DN 65	flange DN 80
Drain (N3)	R 2 or flange DN 50		
Vent (N4)	R 3/4		
Gasket	O-ring FPM*1		
Max. operating pressure	10 bar		
Max. operating temperature	200°C*2		
Volume	10,5 l	12,5 l	22,5 l
Weight	41 kg	47 kg	81 kg
Effective output	75 W		
Electrical connection	400 V, 50 Hz*3		
Protective system	IP54, IP65 optional with EX approval		

*1 other sealing materials on request
*2 standard temperature is 80°C
*3 special voltages on request



DIMENSIONS

Housing type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
KSF-400	865	365	370	500	300
KSF-700	965	365	470	600	400
KSF-1000	1030	465	520	670	400

Subject to technical alterations.
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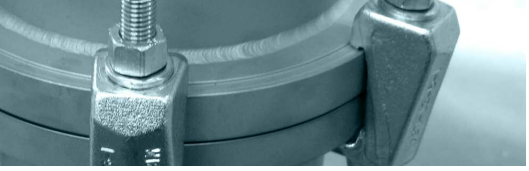

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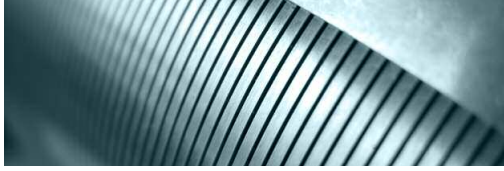


CHARACTERISTICS

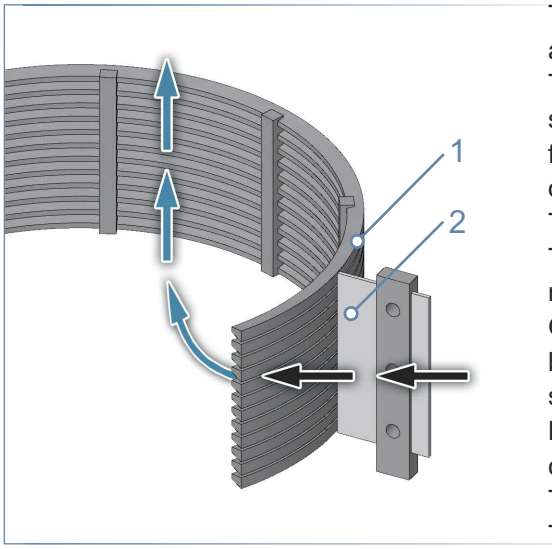
- No disposal problems
- Self-cleaning without interruption
- Quick and easy cleaning due to the completely removable filter insert
- Low operating costs due to long lifetime
- Robust and easy to use two-piece housing
- Easy and time-saving maintenance micron ratings from 35 microns
- On request with TÜV approval, explosion protection, special materials, etc.

APPLICATIONS

- Paints and varnish
- Emulsion paints
- Inks
- Underbody protection
- Adhesives
- Bitumen products
- Solvents
- Gear oil, rolling oil
- Emulsions
- Electrophoretic varnish
- Chocolate mass
- Flexibilizer
- Industrial wastewater
- Sewage sludge
- Food and beverage

FOR THE INTERPRETATION OF THE FILTER SIZE ARE THE FOLLOWING INFORMATION REQUIRED:

- Filter media
- Flow rate
- Micron rating
- Viscosity
- Operating pressure
- Operating temperature
- Solids content of the filtrate



CONSTRUCTION AND OPERATION OF THE FILTER

The filter systems are designed for extremely stable and robust applications. They consist essentially of the following components: Two-piece filter housing, wedge wire element (1), holding plate with scraper (2) gear drive. The filtration is through the wedge wire element from outside to inside, wherein the solids accumulate on the outside of the wedge wire element.
The rotating filter element will be cleaned by fixed scraper plate. The solids setting out to the bottom of the filter housing and are drained by the system pressure via a ball valve.
Optionally, the draining of solids can also be carried out automatically by an electronic controller with differential pressure control and solenoid valve.
Blocking of the filter element is impossible as expand the trapezoidal columns inward.
The micron rating is determined by the gap width of the filter element. The filter element can be replaced without special tools.

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