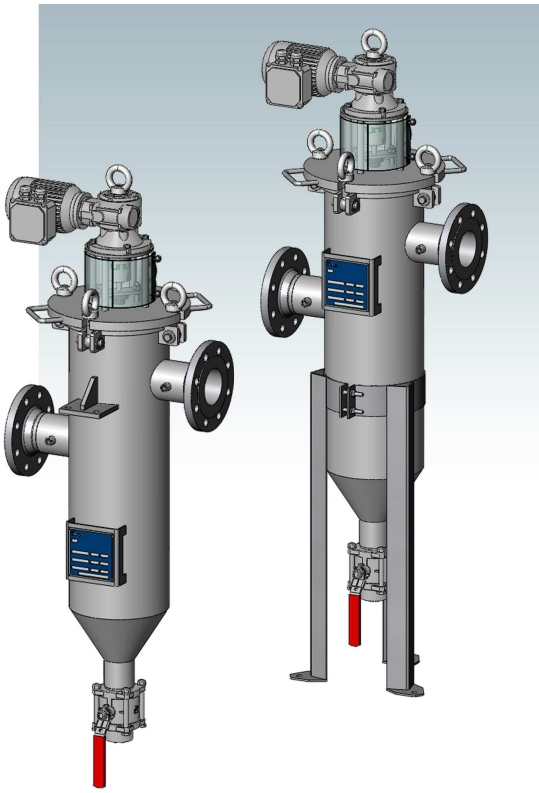
Type KSF-700-TL and KSF-1000-TL
Self-cleaning wedge wire filter



The self-cleaning filters of the series KSF-700-TL and KSF-1000-TL exist of a removable gear lid unity and a filter case. Both parts are connected with eye-bolt screws with each other. The one and escape carbine is height-moved and arranged oppositely. The complete scraper unity can be taken without tools. Moreover the lid must be solved and be taken off with the mounted gear engine unity. The attacking dirt is collected in the lower part of the case and must be let down in certain distances. The system of our selbstreinigenden filters exists of a V-profile which is welded in a precisely defined distance on circularly arranged supporting profiles. Through this originates a firm, in itself stable gap pipe. A blocking of the free filter surface is avoided by the used V-profile.

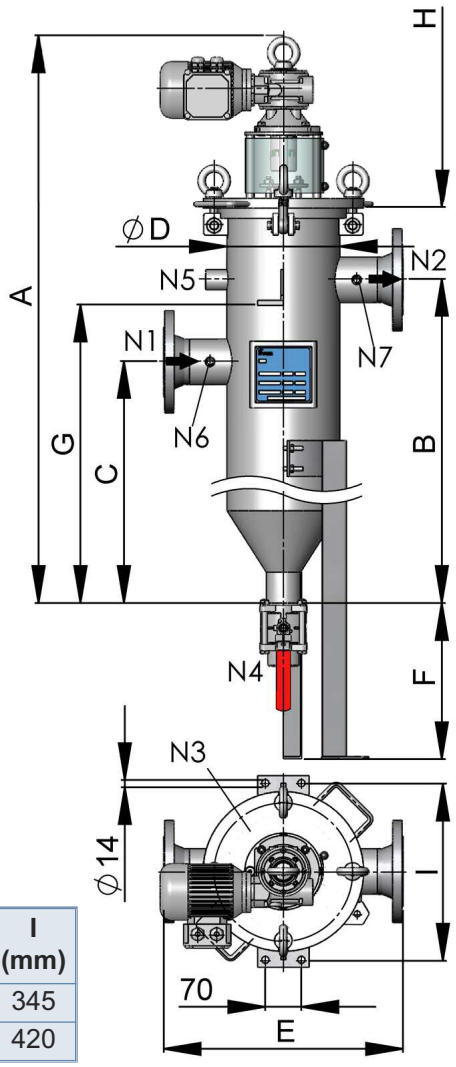
Normally the housing is equipped with a height adjustable base. Optionally also with welded lugs available. If requested can be equipped of the filters also with heating jacket.

TECHNICAL DATA

KSF-700-TL and KSF-1000-TL

	KSF-700-TL	KSF-1000-TL
Flow rate*	25 m³/h	35 m³/h
Material filter housing	1.4571	
Material wedge wire	1.4435	
Inlet and outlet (N1/N2)	flange DN 65	flange DN 80
Vent (N3)	Rp 1/8“ (internal thread)	
Drain (N4)	Rp 2“ (internal thread)	
Flush connection (N5)	Rp 1“ (internal thread)	
Gasket	O-ring FPM*1	
Max. operat. pressure	10 bar	
Max. operat. temperature	200°C*2	
Volume	15 l	26,5 l
Weight	~	~
Electrical connection	400 V, 50 Hz*3	
Protective system	IP65 optional with EX approval	

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



DIMENSIONS

Housing type	A (mm)	B (mm)	C (mm)	øD (mm)	E (mm)	F (mm) only for legs	G (mm) only for support	H (mm)	I (mm)
KSF-700-TL	1145	680	550	168,3	365	0-250	660	580	345
KSF-1000-TL	1200	710	560	219,1	465	0-220	660	700	420

Subject to technical alterations.
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*acura*Line®

CHARACTERISTICS

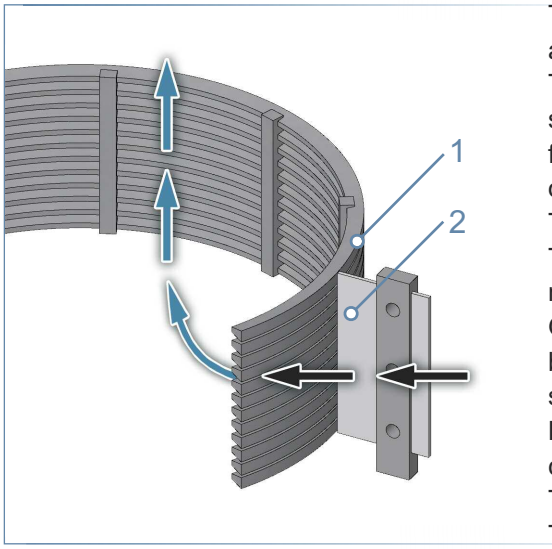
- No disposal problems
- Self-cleaning without interruption
- Quick and easy cleaning due to the completely removable filter insert
- Low operating costs due to long lifetime
- Robust and easy to use two-piece housing
- Easy and time-saving maintenance micron ratings from 35 microns
- On request with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

acuraLine®

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