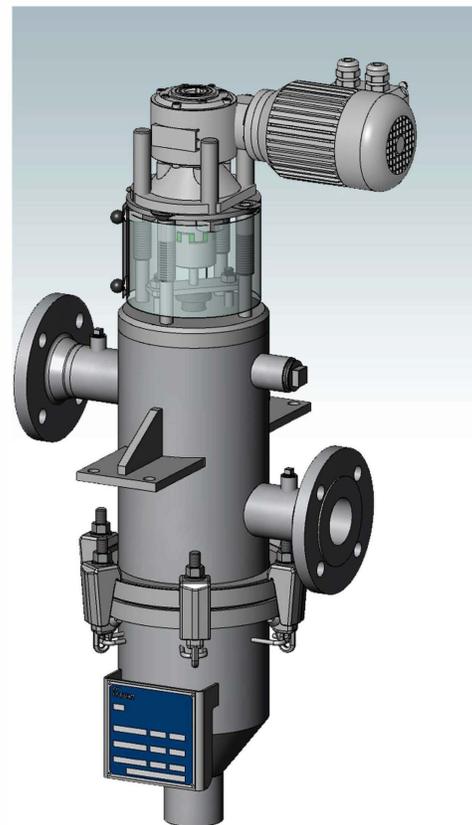


## Type KSF-400 up to KSF-1000 Self-cleaning wedge wire filter

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  $\mu\text{m}$ .



### TECHNICAL DATA

*KSF-400 up to KSF-1000*

|                             | KSF-400                              | KSF-700              | KSF-1000             |
|-----------------------------|--------------------------------------|----------------------|----------------------|
| Flow rate*                  | 13 m <sup>3</sup> /h                 | 25 m <sup>3</sup> /h | 35 m <sup>3</sup> /h |
| Material filter housing     | 1.4571                               |                      |                      |
| Material wedge wire element | 1.4435                               |                      |                      |
| Inlet and outlet (N1/N2)    | R2 o.<br>FI. DN 50                   | flange<br>DN 65      | flange<br>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 |                      |                      |

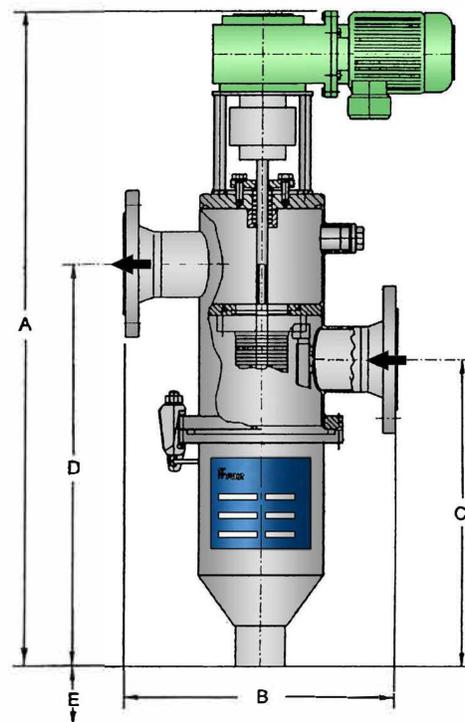
\*1 other sealing materials on request

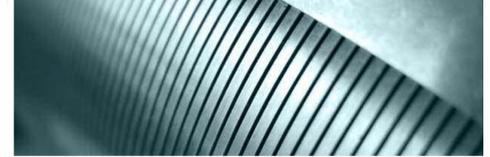
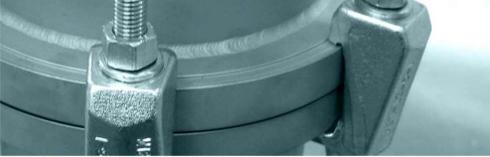
\*2 standard temperature is 80°C

\*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    |





### 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

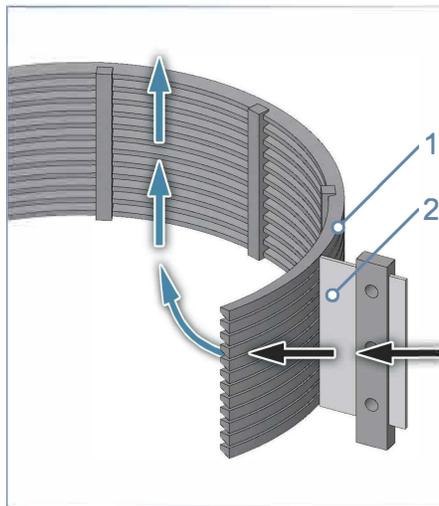
- Paints and varnish
- Emulsion paints
- Inks
- Underbody protection
- Adhesives
- Bitumen products
- Solvents
- Gear oil, rolling oil
- Emulsions
- Electrophoretic varnish
- Chocolate mass
- Flexibilizer
- Industrial wastewater
- Sewage sludge
- Food and beverage



### 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.

# Nordic Filtration

At [www.nordicfiltration.com](http://www.nordicfiltration.com) you will find a wide selection of filtration products ready for you to order.

Nordic Filtration offers a wide selection of filtration products for water treatment. We have stock in Denmark from where we distribute all of our products to Scandinavia and the the rest of the world.

You can buy our products on local websites or by contacting us by phone or e-mail. Information about our products as well as brochures and manuals can be found on our website ([www.nordicfiltration.com](http://www.nordicfiltration.com)).

We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you.

