

# Edge filters

## Type KSF

SWISS MADE

### Application

The robust **Hablützel** filter with its motor-driven cleaning device is suitable for the separation of suspensions as well as the continuous separation of solid particles from liquids whose viscosities may range from water-thin to pasty. It thus offers a wide range of application possibilities throughout the entire process engineering field, for the preliminary and coarse filtering upstream of distillation columns, reactors, flue gas scrubbers, pumps, fine filters, filling plants, etc.

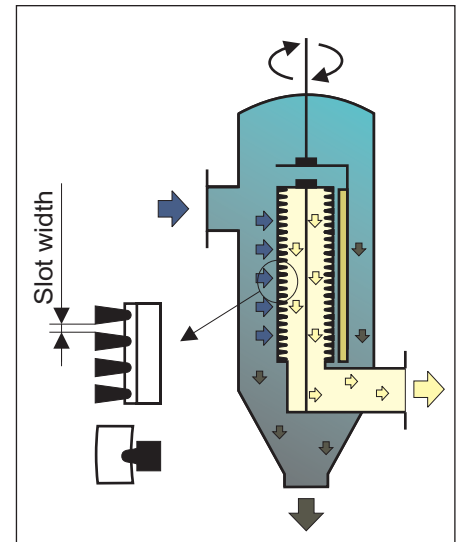
### Function

The fluid streams through the cylindrical filter basket with standard slots of 0,05 to 3,0mm from the outside to the inside. The solid particles collect in the outer surface of the filter basket and are removed continuously by a rotating cleaning device equipped with up to three scrapers or brushes. This ensures that the pressure loss is kept to a minimum. The filtered particles settle in the conical bottom part of the casing, from where they are removed periodically either manually or automatically. In the presence of higher working pressures, these sediments are withdrawn through a lock. The various design types, made of stainless steel materials, with or without heat jacket enable this versatile filter to be employed for numerous applications.



### Principal features

- The **Hablützel** filter is characterised by its uncomplicated, rugged, reliable design and easy maintenance.
- Continuous cleaning of the filter surface ensures minimum pressure drop.
- Thanks to the different construction materials plus scrapers, brushes and equipment, **Hablützel** filters can be used in all industries.
- The use of the **Hablützel** filters upstream of pumps, etc. extends the life of such components and prolongs the service life of fine filters.



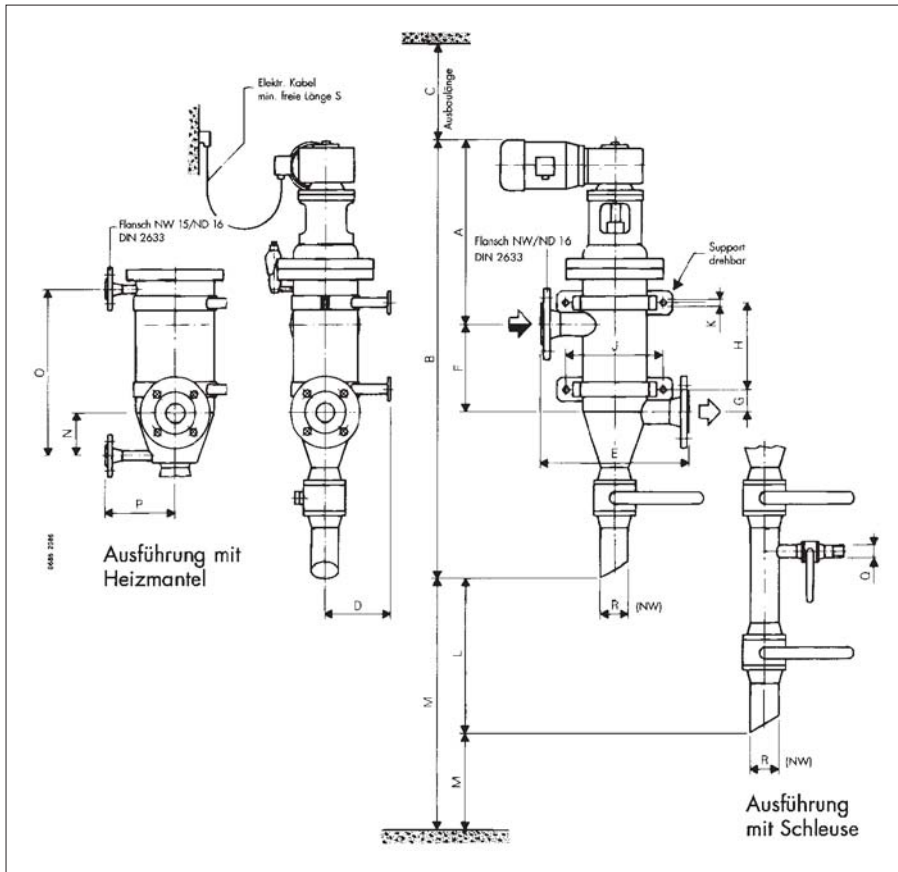
Listed below are just a few of the thousands of possible filtration applications:

- cooling water, washing and scrubbing water, process water, water from cutting processes
- washing liquids, solvents, distillation and reaction fluids, surfactants
- lubricating oils, heating oils, heat transfer fluids, reclaimed oils
- plastic dispersions, water glass, Latex, glue, adhesive
- food processes, fatty acids, cooking oils, molasses, fruit concentrates and juices, syrups, chocolate mass, ice cream, honey

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**HABLUTZEL**



### Design types

Stainless steel 1.4404 \_\_\_\_\_ R  
 Heat jacket \_\_\_\_\_ H  
 Lock \_\_\_\_\_ S

### Ordering information

Filter \_\_\_\_\_ KSF 40 R H S 0.5  
 ND of connections \_\_\_\_\_  
 Stainless steel 1.4404 \_\_\_\_\_  
 With heat jacket \_\_\_\_\_  
 With lock \_\_\_\_\_  
 Slot width of filter in mm \_\_\_\_\_

Subject to technical modifications

ND	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	Kg
40	390	920	400	140	320	180	45	180	210	13	330	500	90	345	150	1/2"	50	800	39
65	510	1340	500	210	450	280	65	280	240	18	450	500	220	600	225	1/2"	65	800	90
100	600	1800	700	260	550	470	90	470	280	18	515	500	240	840	250	1"	100	800	155

Dimensions in mm

### Technical data

	SW = 0.3mm	<b>KSF 040</b>	<b>KSF 065</b>	<b>KSF 100</b>
Flow rate:	$\Delta p = 0.1 \text{ bar}$ Visk. = 0.001 Pa-s	10 m <sup>3</sup> /h	28 m <sup>3</sup> /h	65 m <sup>3</sup> /h
Operating pressure		max. 10 bar	max. 10 bar	max. 10 bar
Flange *		ND 40, NP 16	ND 65, NP 16	ND 100, NP 16
Drainage by ball valve		ND 50	ND 65	ND 100
Motor data*		180 W, 1400 min <sup>-1</sup>	370 W, 1400 min <sup>-1</sup>	750 W, 1400 min <sup>-1</sup>
Voltage*		230 / 400 V	230 / 400 V	230 / 400 V
Type of electrical protection		IP 55	IP 55	IP 55
Frequency*		50 Hz	50 Hz	50 Hz
Scraper / brush speed		35 rpm	35 rpm	35 rpm
Steam pressure, heat jacket		max. 10 bar	max. 10 bar	max. 10 bar
Filter volume		5.3 l	21 l	48 l
Filter surface		350 cm <sup>2</sup>	860 cm <sup>2</sup>	2050 cm <sup>2</sup>

Slot widths *	SW	KSF 040		KSF 065		KSF 100	
		%	cm <sup>2</sup>	%	cm <sup>2</sup>	%	cm <sup>2</sup>
	SW 0.05 mm	4.8 %	16 cm <sup>2</sup>	4.8 %	41 cm <sup>2</sup>	4.8 %	98 cm <sup>2</sup>
	SW 0.1 mm	9.0 %	31 cm <sup>2</sup>	9.0 %	78 cm <sup>2</sup>	9.0 %	186 cm <sup>2</sup>
	SW 0.2 mm	16.7 %	56 cm <sup>2</sup>	16.7 %	143 cm <sup>2</sup>	16.7 %	342 cm <sup>2</sup>
	SW 0.3 mm	23.0 %	80 cm <sup>2</sup>				
	SW 0.5 mm	33.0 %	110 cm <sup>2</sup>				
	SW 1.0 mm	50.0 %	175 cm <sup>2</sup>				
	SW 2.0 mm	66.0 %	230 cm <sup>2</sup>				
	SW 3.0 mm	75.0 %	260 cm <sup>2</sup>				
(Smallest possible)	SW 0.01 mm						

\* Others on request

For over 60 years, we have been developing, planning and implementing components and plants for conveyor and processing techniques as well as general apparatus engineering. Design, construction and production are all carried out in our ultra-modern factory. We have a staff of 25 and train apprentices. Our factory has been ISO 9001 certified since 1996.