

# NEW AND NOTEWORTHY



## **Stainless Steel High-Pressure Filter**

## Series HFL 060 ... HFL 180

The high pressure filters are suitable for applications with extreme ambient conditions thanks to their corrosion-resistant filter housings made of stainless steel. Typical applications are in the energy and disposal industry, the mining industry and offshore sector.

Three different housing lengths as well as various filter finenesses are available to provide the best possible filtration concept according to the respective requirements. The use of filter elements with star-folded filter material ensures the lowest pressure losses and high dirt absorption. This results in particularly long maintenance intervals and excellent results in terms of oil cleanliness.

The standard built-in optical clogging indicator signals the time of the filter maintenance, whereby an optimal utilization of the filter lifetime is achieved.

### Characteristics

- Nominal flow rate up to 180 l/min
- Filter fineness 10  $\mu\text{m(c)}$  to 60  $\mu\text{m(c)}$
- Operating pressure up to 400 bar
- Hydraulic fluid: Mineral oil and biodegradable fluids (HEES and HETG)

### Application examples

- Offshore
- Mining Industry
- Environment and Waste Management
- Maritime Applications

The abbreviations represent the following  $\beta$ -values resp. finenesses:

For EXAPOR®MAX2 and Paper element:

|       |                             |       |              |
|-------|-----------------------------|-------|--------------|
| 5EX2  | = $\beta_{5(\mu\text{m})}$  | = 200 | EXAPOR®MAX 2 |
| 7EX2  | = $\beta_{7(\mu\text{m})}$  | = 200 | EXAPOR®MAX 2 |
| 10EX2 | = $\beta_{10(\mu\text{m})}$ | = 200 | EXAPOR®MAX 2 |
| 16EX2 | = $\beta_{16(\mu\text{m})}$ | = 200 | EXAPOR®MAX 2 |
| 30P   | = $\beta_{30(\mu\text{m})}$ | = 200 | Paper        |

Based on the structure of the filter media of the 30P paper elements, deviations from the printed curves are quite probable.

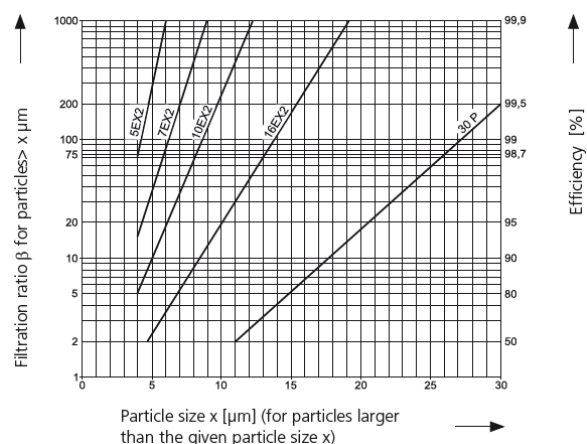
For screen elements:

|      |                                  |                   |
|------|----------------------------------|-------------------|
| 40S  | = screen material with mesh size | 40 $\mu\text{m}$  |
| 60S  | = screen material with mesh size | 60 $\mu\text{m}$  |
| 100S | = screen material with mesh size | 100 $\mu\text{m}$ |

Tolerances for mesh size according to DIN 4189

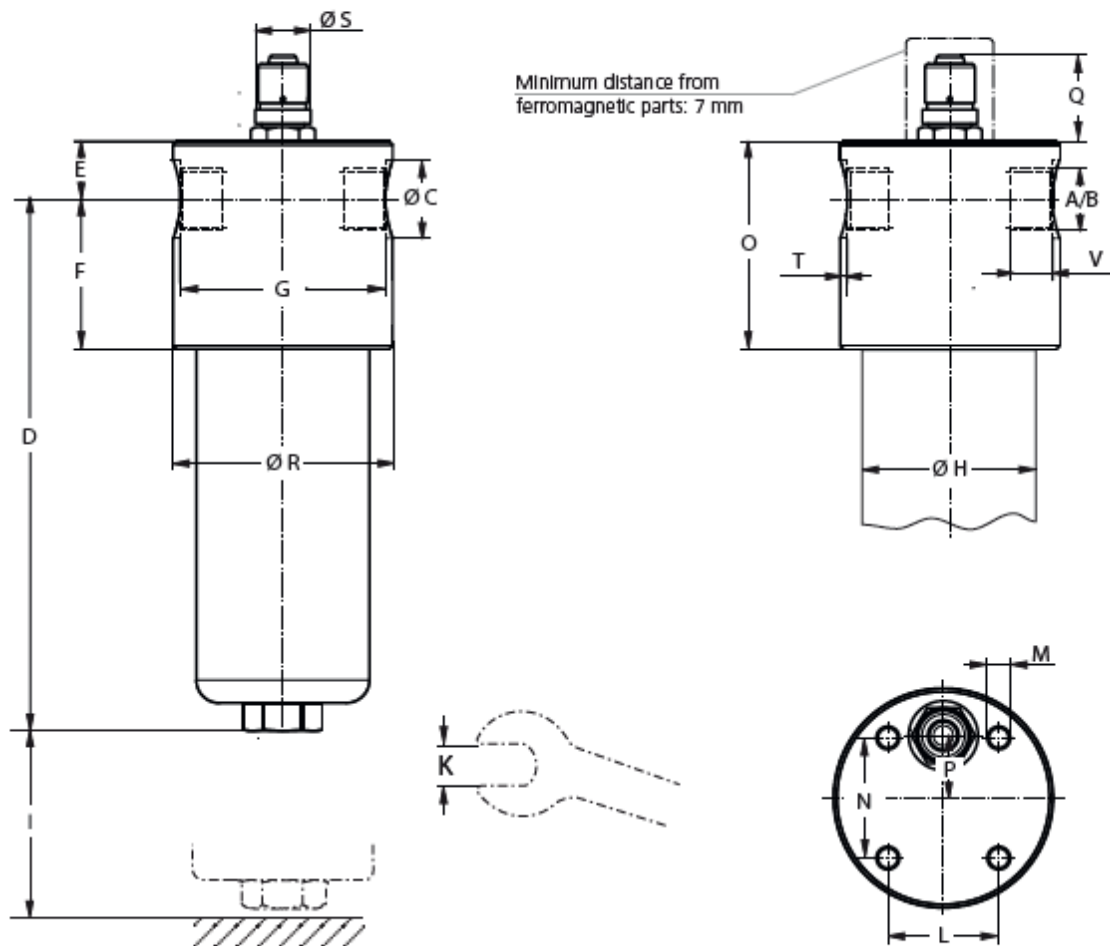
For special applications, finenesses differing from these curves are also available by using special composed filter media.

Filtration ratio  $\beta$  as a function of particle size  $x$  obtained by the Multi-Pass Test according to ISO 16889



## Preliminary Data Sheet

### Dimensions

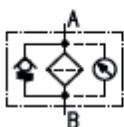


### Measurements

| Type    | A/B             | C  | D   | E  | F  | G  | H  | I   | K  | L  | M<br>$\varnothing$ /depth | N  | O  | P  | Q  | R  | S  | T   | V    |
|---------|-----------------|----|-----|----|----|----|----|-----|----|----|---------------------------|----|----|----|----|----|----|-----|------|
| HFL 060 | G $\frac{1}{2}$ | 29 | 130 | 25 | 65 | 91 | 75 | 70  | 30 | 48 | M10 / 12                  | 52 | 90 | 27 | 37 | 95 | 24 | 2   | 16   |
| HFL 110 | G $\frac{3}{4}$ | 34 | 230 | 25 | 65 | 89 | 75 | 170 | 30 | 48 | M10 / 12                  | 52 | 90 | 27 | 37 | 95 | 24 | 3   | 18   |
| HFL 180 | G1              | 42 | 294 | 25 | 65 | 86 | 75 | 234 | 30 | 48 | M10 / 12                  | 52 | 90 | 27 | 37 | 95 | 24 | 4,5 | 20,5 |

### Symbols

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**FILTRATION**



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