

DFH2060 Series

Duplex Filters

Max. 2200 l/min. 10 bar



Maximum performance – minimum height

Slim welded housing construction with cast iron change over valve section. Horizontal mounting makes assembly easier in cranked positions. High dirt holding capacity and low pressure drop. Several media options. One reservoir can be closed for service.



Contact Information:

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Applications:

- Heavy duty diesel engine lubricating systems
- High flow industrial lubricating systems

Specification

Duplex filter:

One reservoir can be closed for service, horizontal installation. 1300 mm (1.3 m) free space must be reserved in front of the filter for filter element removal. Filter includes 3 elements/side.

Connections:

Square flanges with port size Ø160 mm. Standard delivery includes blind counter flanges.

Maximum operating pressure:

10 bar

Seal material:

Fluoroelastomer

Operating temperature:

-20°C...+100°C with elements with Nitrile seals,
-20°C...+160°C with metal mesh elements and
Fluoroelastomer seals.

Housing material:

Steel/cast iron (GJS)

Weight:

390 kg

Nominal flow rate (30 cSt):

2200 l/min (132 m³/h)

Bypass valve:

For the primary filter only, opening pressure 2.0 bar

Indicator options:

Visual, electrical or electronic indicator requires an indicator block. For details see indicator options table in product description page and catalogue section 4.

Primary filter:

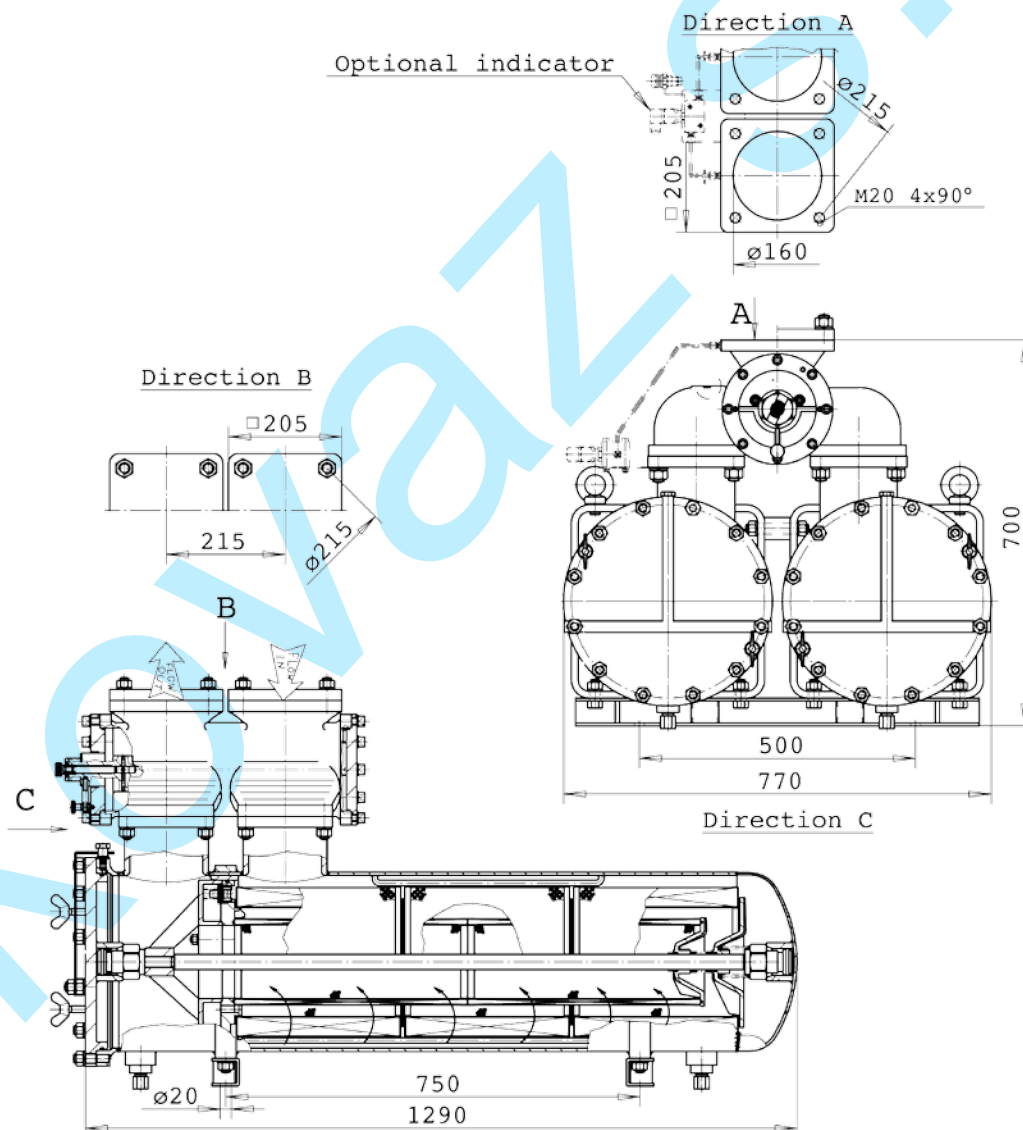
- Three filter elements per reservoir
- Filtration materials
 - Resin impregnated heavy duty cellulose paper 15µm nominal
 - Glassfibre Microglass III
 - Cleanable metal mesh

Secondary filter:

- One filter element per reservoir
- Filtration material cleanable wire mesh
- Filtration degree 60µm

Fluid compatibility:

Suitable for use with regular hydraulic and lubrication oils. For other fluids consult Parker Filtration.



DFH2060 Series

Pressure Drop Curves

$$\Delta p_{\text{total}} = \Delta p_{\text{housing}} + \Delta p_{\text{element}}$$

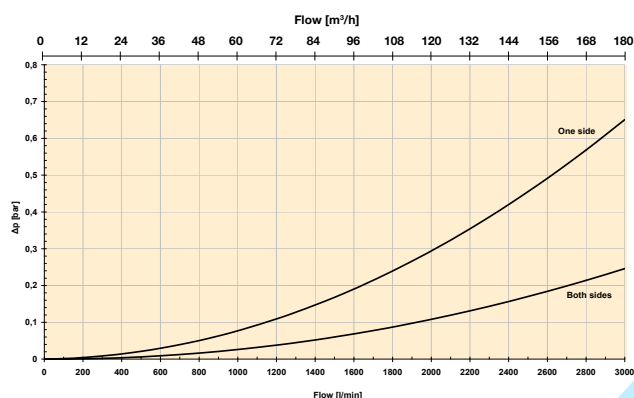
The recommended level of the initial pressure drop for this filter is maximum 0.5 bar.

Δp -curves are measured at 30 cSt.

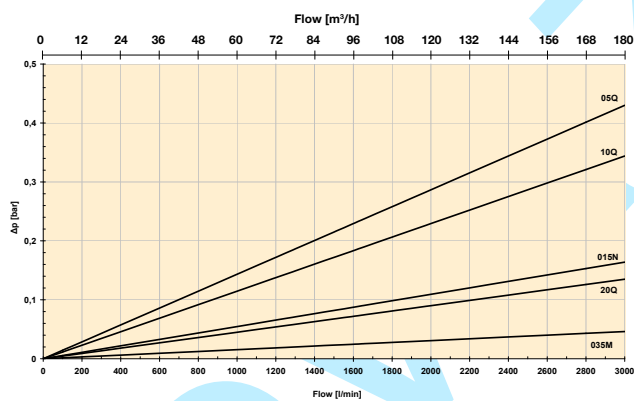
If the medium used has a viscosity different from 30 cSt, pressure drop over the element can be estimated as follows:

$$\Delta p_{\text{total}} = \Delta p_{\text{housing}} + \Delta p_{\text{element}} \times \frac{\text{working viscosity}}{30 \text{ cSt}}$$

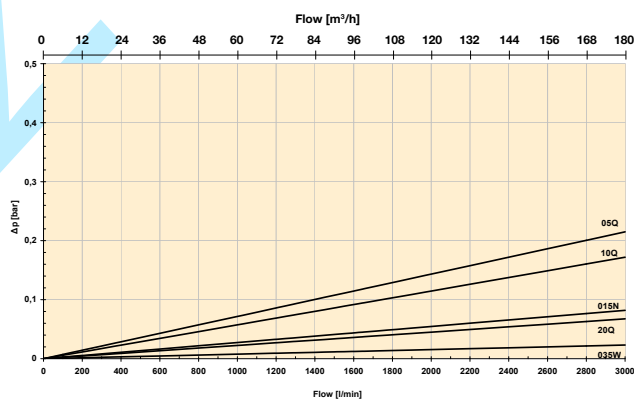
DFH2060 housing



DFH2060 element pack (3 pcs)/one side in use



DFH2060 element pack (3 + 3 pcs)/both sides in use



Product Description for DFH2060

Complete Filter:

Table 1

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Table 2

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Table 3

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Table 4

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Table 5

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Table 6

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Table 7

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Table 8

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Table 1

| FILTER TYPE | |
|--|----------------|
| Model | CODE |
| Duplex filter, horizontal installation | DFH2060 |

Table 2

| FILTER SIZE | |
|-----------------|----------|
| Length/elements | CODE |
| 3 elements/side | 3 |

Table 3

| DEGREE OF FILTRATION | |
|----------------------------|-------------|
| Element type | CODE |
| Microglass III | |
| Glassfibre 5 µm | 05Q |
| Glassfibre 10 µm | 10Q |
| Glassfibre 20 µm | 20Q |
| Other medias | |
| Cellulose 15 µm (nom) | 015N |
| Cleanable metal mesh 35 µm | 035W |
| Cleanable metal mesh 60 µm | 060W |

Table 4

| SEAL TYPE | |
|-----------------|----------|
| Seal material | CODE |
| Fluoroelastomer | V |

Table 5

| INDICATORS | |
|---------------------------------|-----------|
| Options | CODE |
| No indicator block | N |
| Indicator port plugged | P |
| Visual indicator | M3 |
| Electrical indicator | T1 |
| Electronic indicator (PNP/N.O.) | F1 |
| Electronic indicator (NPN/N.O.) | F2 |

Table 6

| BYPASS VALVE | |
|--------------------------|----------|
| Bypass/indicator setting | CODE |
| 2.0 bar/1.5 bar | H |

Table 7

| FILTER CONNECTIONS | |
|----------------------|-------------|
| Port size | CODE |
| Square flange 160 mm | X160 |

Table 8

| OPTIONS | |
|-------------|----------|
| Options | CODE |
| With bypass | 1 |

| REPLACEMENT ELEMENTS | |
|------------------------------|-----------------------|
| Media code / Seal type | Order code |
| Glassfibre | Microglass III |
| 05Q / Nitrile | 939381Q |
| 10Q / Nitrile | 939382Q |
| 20Q / Nitrile | 939383Q |
| Cellulose 15 µm (nom) | |
| 015N / Nitrile | 939384 |
| Cleanable metal mesh | |
| 035W / Fluoroelastomer | 939385 |
| 060W / Fluoroelastomer | 939386 |

| SPARE PARTS | |
|--|-------------|
| Secondary filter element | CODE |
| Wire mesh 60 µm | 939394 |
| Seal kits | CODE |
| For valve assembly | 916045064 |
| For vessel (two kits required for complete filter) | 916045066 |

Please note the bolded options reflect standard options with reduced lead-time.