

DF2035 Series

Duplex Filters



Light weight, high capacity

Several media options and high dirt holding capacity – up to three filter elements per reservoir. Aluminium housing offers light weight combined to considerably high capacity. Two different housing options.



Contact Information: Applications:

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www.parker.com/hfde

- Industrial gear systems
- Diesel engine lubricating systems



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Specification

Duplex filter:

One reservoir can be closed for service, vertical installation. Length 2 includes 2 elements/side and length 3 includes 3 elements/side.

Connections:

Square flanges with DN65/PN16 dimensioning. Standard delivery includes blind counter flanges according DIN 2527.

Maximum operating pressure:

8 bar

Seal material:

Fluoroelastomer

Operating temperature:

-20°C...+120°C, for other temperatures consult Parker Filtration.

Housing material:

Aluminium

Weight:

Length 2: 49.0 kg

Length 3: 62.5 kg

Maximum flow rate:

600 l/min (36 m³/h)

Indicator options:

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

Primary filter:

- Length 2: two filter elements per reservoir
- Length 3: three filter elements per reservoir
- Filtration materials
 - Resin impregnated heavy duty cellulose paper 15µm nominal
 - Glassfibre Microglass III
 - Cleanable metal mesh

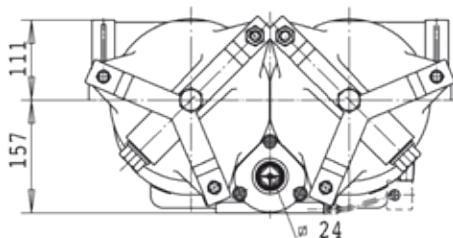
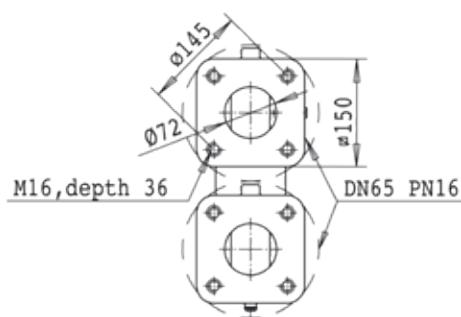
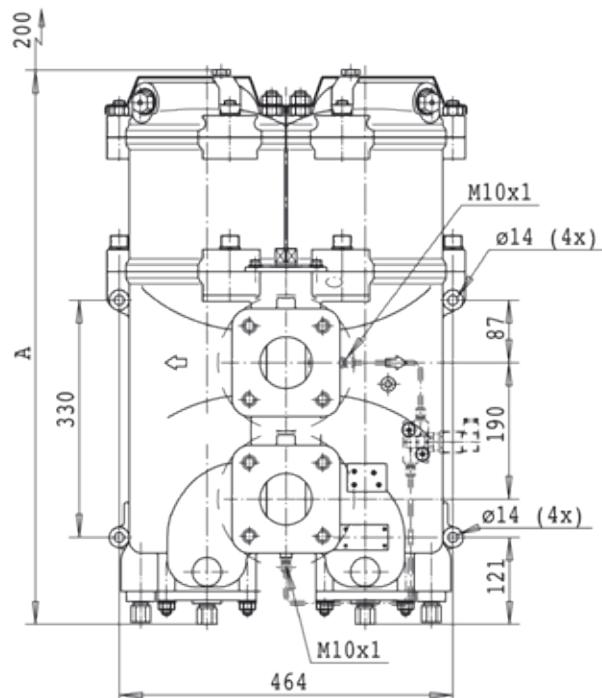
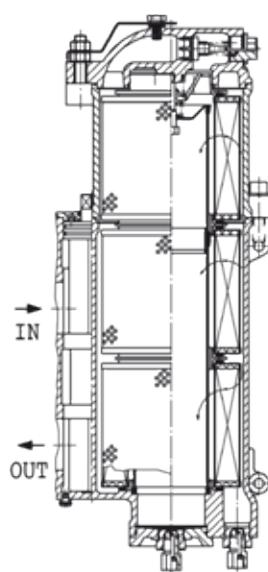
Secondary filter:

- Filtration material cleanable metal mesh
- Filtration degree 60µm

Fluid compatibility:

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

| Type | A |
|----------|-----|
| Length 2 | 590 |
| Length 3 | 775 |



DF2035 Series

Pressure Drop Curves

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

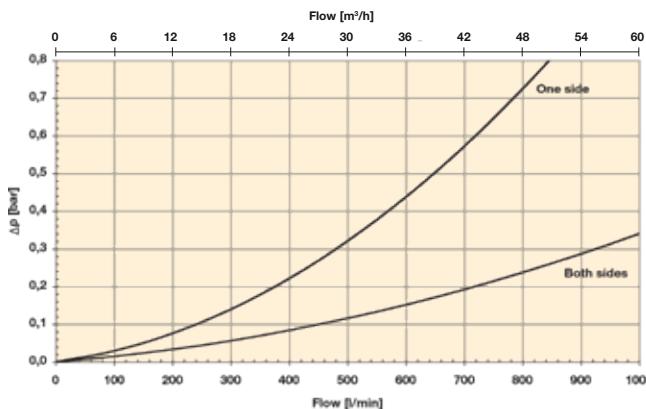
The recommended level of the initial pressure drop for this filter is maximum 0.5 bar.

Δp -curves are measured at 30 cSt.

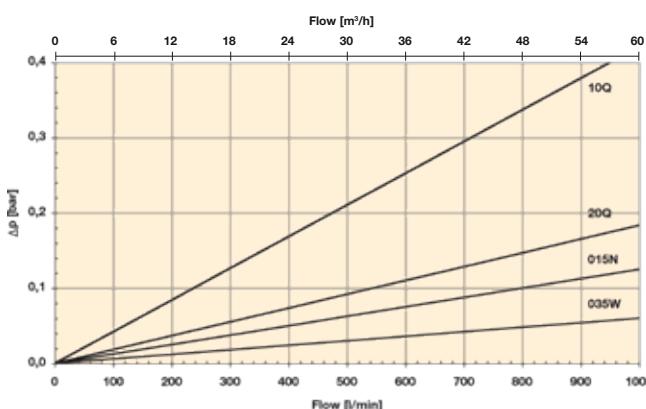
If the medium used has a viscosity different from 30 cSt, pressure drop over the element can be estimated as follows:

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

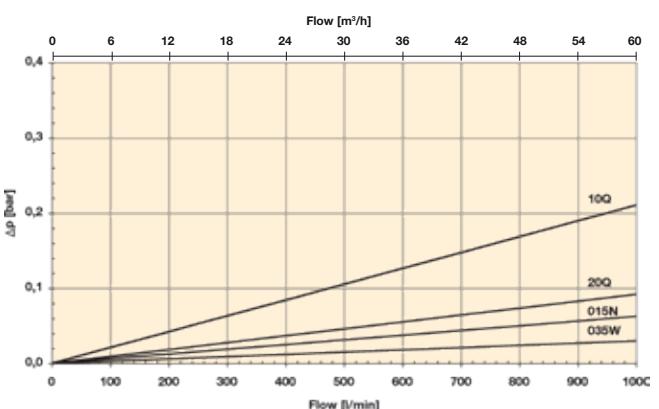
DF2035 housing



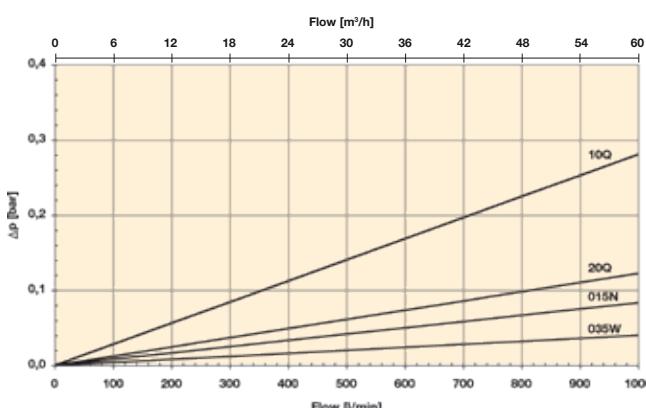
Length 2 element pack (2 pcs)/one side in use



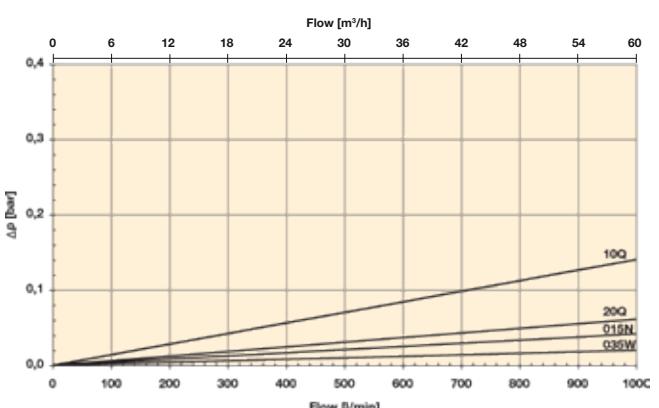
Length 2 element pack (2 + 2 pcs)/both sides in use



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



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



Product Description for DF2035

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 | DF2035 |

Table 2

| FILTER SIZE | |
|-----------------|----------|
| Length/elements | CODE |
| 2 elements/side | 2 |
| 3 elements/side | 3 |

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 |

Indicator details, see page 66-69.

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 6

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

Table 7

| FILTER CONNECTIONS | |
|-------------------------|------------|
| Port size | CODE |
| Square flange ref. DN65 | D65 |

Table 8

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

Table 4

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

| REPLACEMENT ELEMENTS WITH FLUOROELASTOMER SEALS | |
|---|-----------------------|
| Media code | Order code |
| Glassfibre | Microglass III |
| 05Q | 939401Q |
| 10Q | 939402Q |
| 20Q | 939403Q |
| Cellulose 15 µm (nom) | |
| 015N | 939404 |
| Cleanable metal mesh | |
| 035W | 939405 |
| 060W | 939406 |

| SPARE PARTS | |
|----------------------------------|-------------|
| Secondary filter element (60 µm) | CODE |
| Length 2 | 939414 |
| Length 3 extension element* | 939415 |
| Seal kit | CODE |
| Seal material | |
| Fluoroelastomer | 916045027 |

* Fully length 3 requires both 939414 + 939415.

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

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