# 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:

Parker Hannifin Corporation
**Hydraulic Filter Division Europe**
filtrationinfo@parker.com

www.parker.com/hfde

## Applications:

- Industrial gear systems
- Diesel engine lubricating systems

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**Specification**

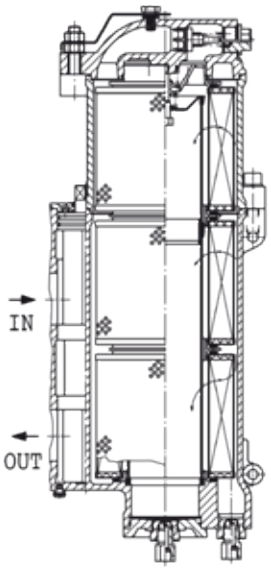
**Duplex filter:**
One reservoir can be closed for service, vertical installation. Length 2 includes 2 elements/side and length 3 includes 3 elements/side.
**Connections:**
Square flanges with DN65/PN16 dimensioning. Standard delivery includes blind counter flanges according DIN 2527.
**Maximum operating 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

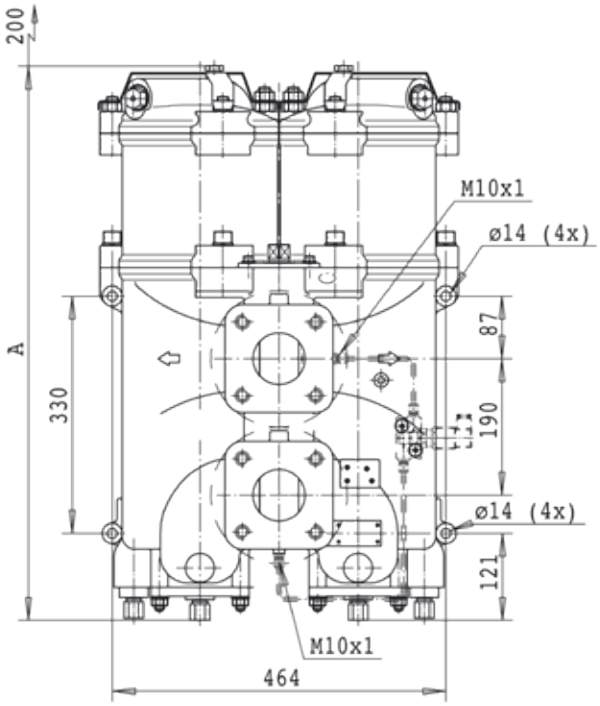
**Maximum flow rate:**
600 l/min (36 m³/h)
**Indicator options:**
Visual, electrical or electronic indicator requires an indicator block. For details see indicator options table in product description page.
**Primary filter:**
- Length 2: two filter elements per reservoir
- Length 3: three filter elements per reservoir
- Filtration materials
  - Resin impregnated heavy duty cellulose paper 15µm nominal
  - Glassfibre Microglass III
  - Cleanable metal mesh

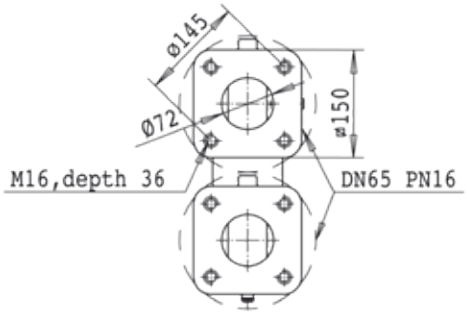
**Secondary filter:**
- Filtration material cleanable metal mesh
- Filtration degree 60µm

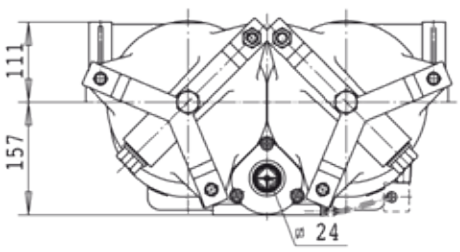
**Fluid compatibility:**
Suitable for use with regular hydraulic and lubrication oils. For other fluids consult Parker Filtration.

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



# DF2035 Series

## Pressure Drop Curves

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

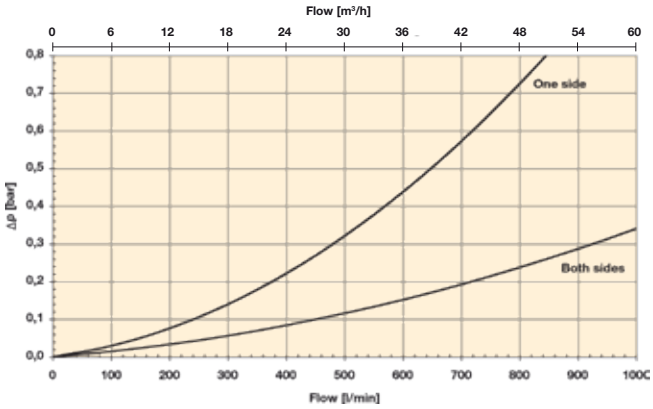
The recommended level of the initial pressure drop for this filter is maximum 0.5 bar.

Δ p-curves are measured at 30 cSt.

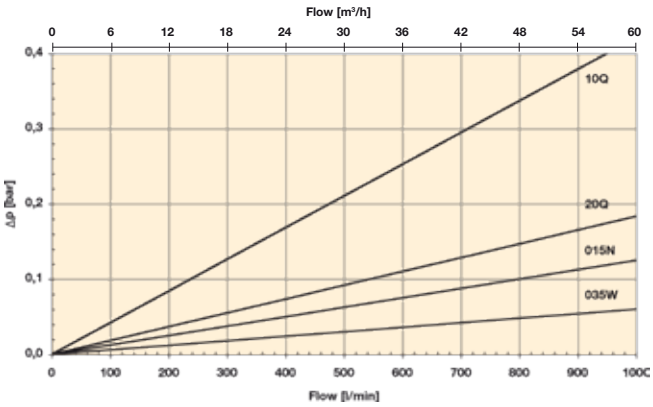
If the medium used has a viscosity different from 30 cSt, pressure drop over the element can be estimated as follows:

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

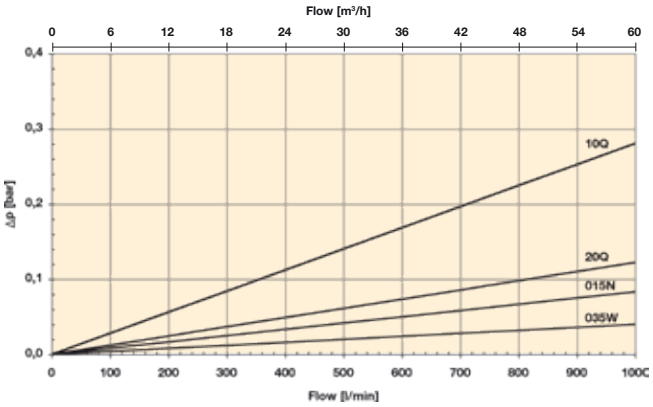
**DF2035 housing**



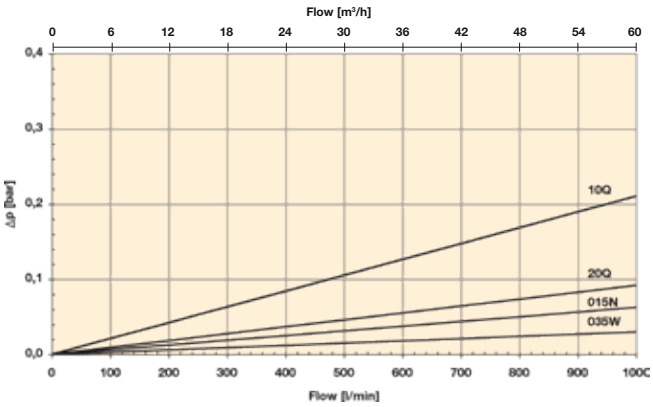

**Length 2 element pack (2 pcs)/one side in use**



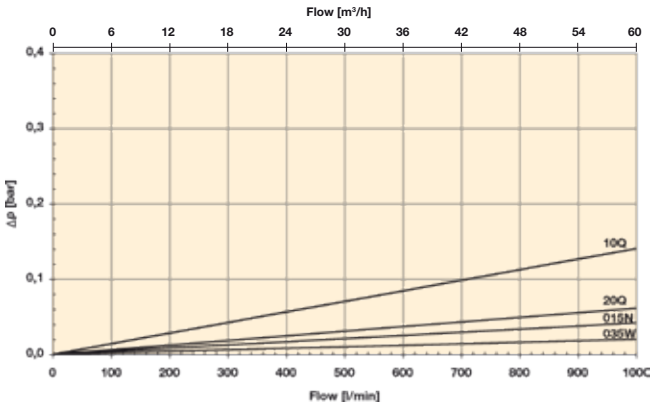

**Length 3 element pack (3 pcs)/one side in use**




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




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



## Product Description for DF2035

## Complete Filter:

| Table 1 | Table 2 | Table 3 | Table 4 | Table 5 | Table 6 | Table 7 | Table 8 |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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 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 |

Indicator details, see page 66-69.

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** |

| 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.