

# DF2035 Series

Duplex Filters

Max. 600 l/min. 8 bar



## 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  
**Hydraulic Filter Division Europe**

**European Product  
Information Centre**  
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(from AT, BE, CH, CZ, DE, EE, ES,  
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**[filtrationinfo@parker.com](mailto:filtrationinfo@parker.com)**

[www.parker.com/hfde](http://www.parker.com/hfde)

## Applications:

- Industrial gear systems
- Diesel engine lubricating systems

## 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 to DIN 2527.

### Maximum operating pressure:

8 bar

### Seal material:

Fluoroelastomer

### Operating temperature:

-20°C...+100°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 and catalogue section 4.

### 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

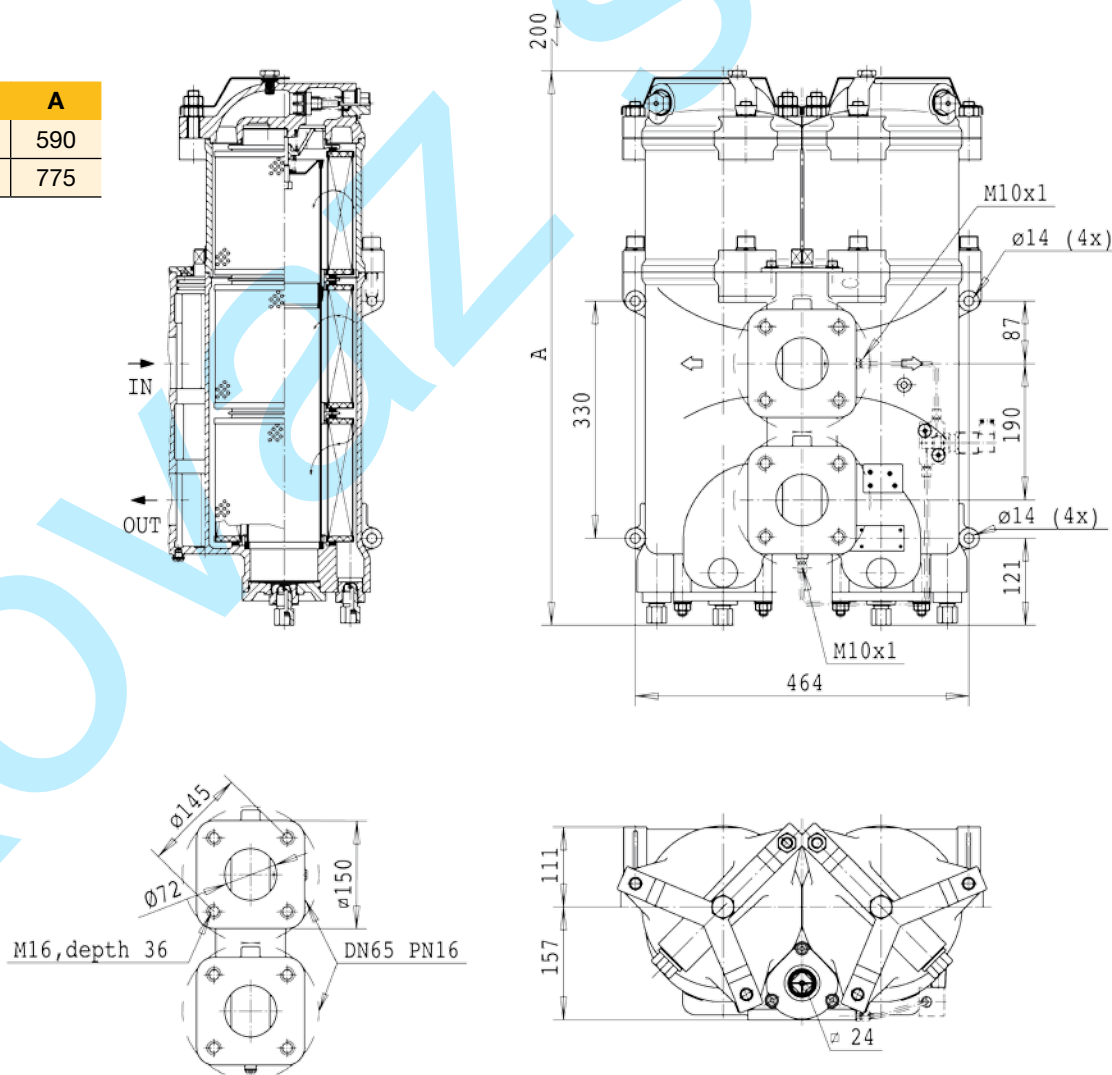
### Secondary filter:

- 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

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

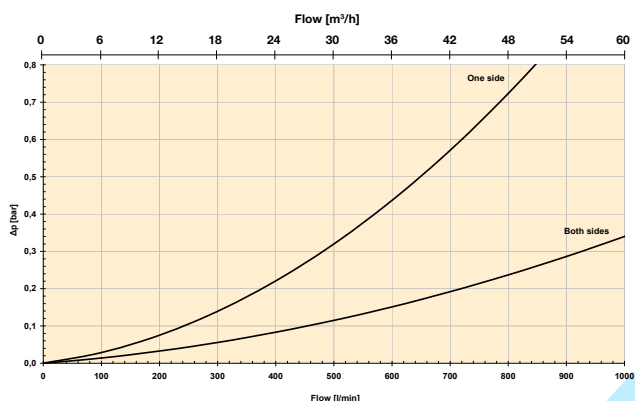
The recommended level of the initial pressure drop for this filter is maximum 0.5 bar.

$\Delta p$ -curves are measured at 30 cSt.

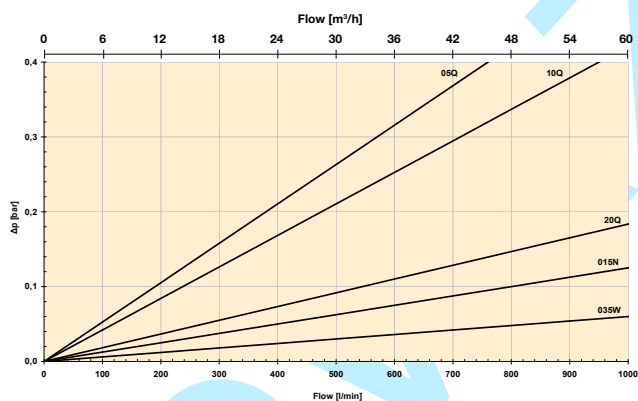
If the medium used has a viscosity different from 30 cSt, pressure drop over the element can be estimated as follows:

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

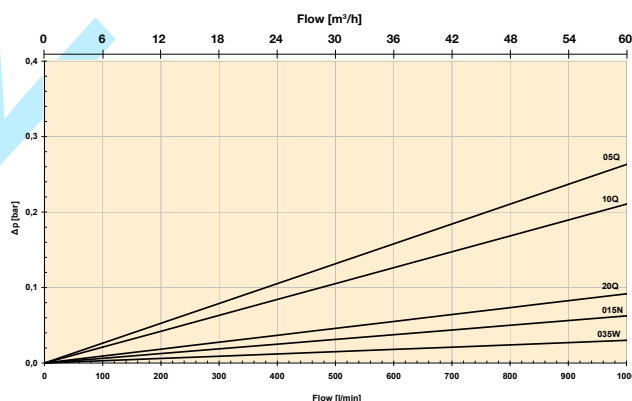
DF2035 housing



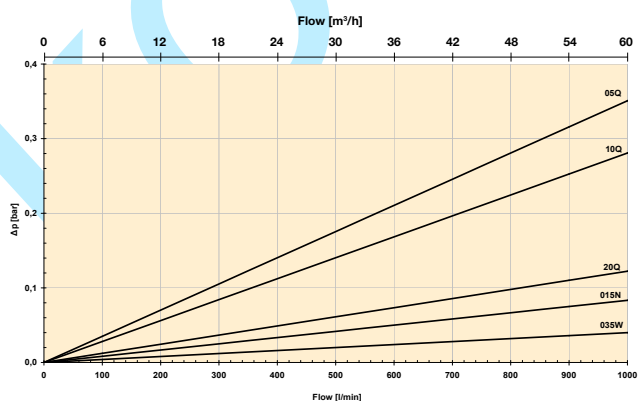
Length 2 element pack (2 pcs)/one side in use



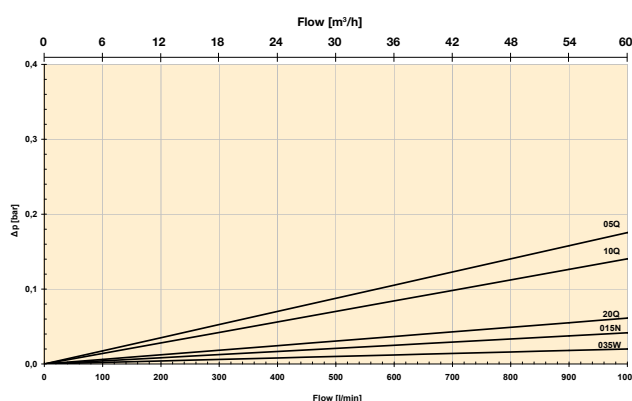
Length 2 element pack (2 + 2 pcs)/both sides in use



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	<b>DF2035</b>

Table 2

FILTER SIZE	
Length/elements	CODE
2 elements/side	<b>2</b>
3 elements/side	<b>3</b>

Table 3

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

Table 4

SEAL TYPE	
Seal material	CODE
Fluoroelastomer	<b>V</b>

Table 5

INDICATORS	
Options	CODE
No indicator block	<b>N</b>
Indicator port plugged	<b>P</b>
Visual indicator	<b>M3</b>
Electrical indicator	<b>T1</b>
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	<b>H</b>

Table 7

FILTER CONNECTIONS	
Port size	CODE
Square flange ref. DN65	<b>D65</b>

Table 8

OPTIONS	
Options	CODE
With bypass	<b>1</b>

REPLACEMENT ELEMENTS	
Media code / Seal type	Order code
<b>Glassfibre</b>	<b>Microglass III</b>
05Q / Nitrile	939401Q
10Q / Nitrile	<b>939402Q</b>
20Q / Nitrile	<b>939403Q</b>
<b>Cellulose 15 µm (nom)</b>	
015N / Nitrile	939404
<b>Cleanable metal mesh</b>	
035W / Fluoroelastomer	939405
060W / Fluoroelastomer	939406

SPARE PARTS	
Secondary filter element (60 µm)	CODE
Length 2	939414
Length 3 extension element*	939415
<b>Seal kit</b>	<b>CODE</b>
<b>Seal material</b>	
Fluoroelastomer	916045027

\* Fully length 3 requires both 939414 + 939415.

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