

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

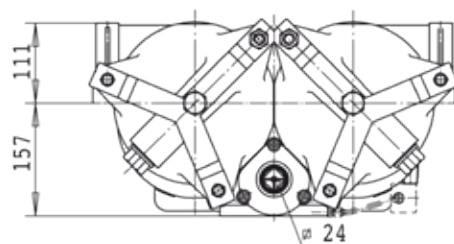
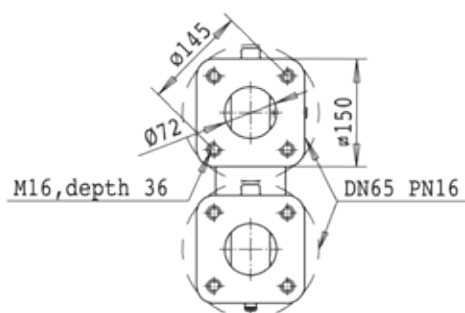
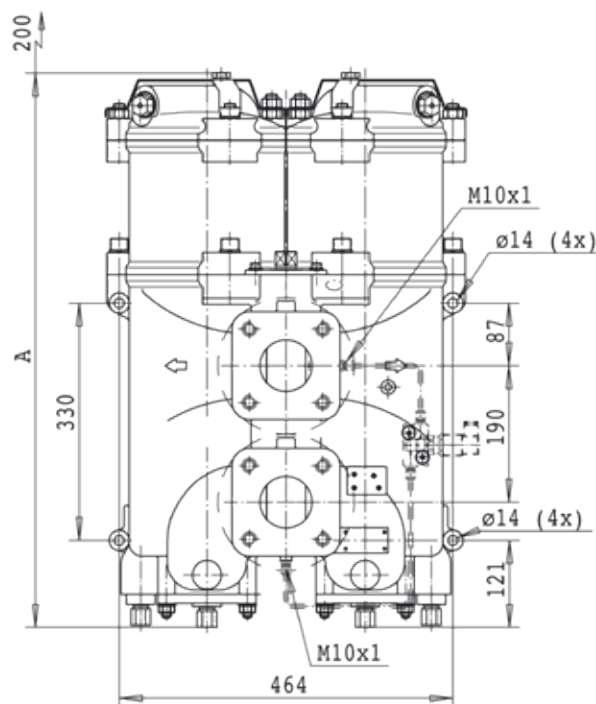
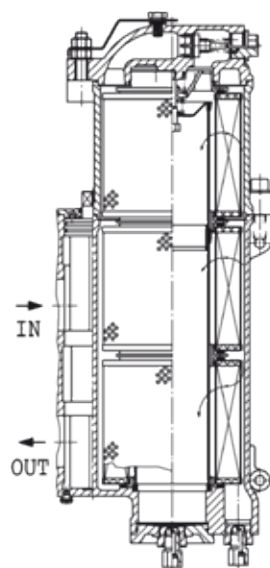
Secondary filter:

- 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

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

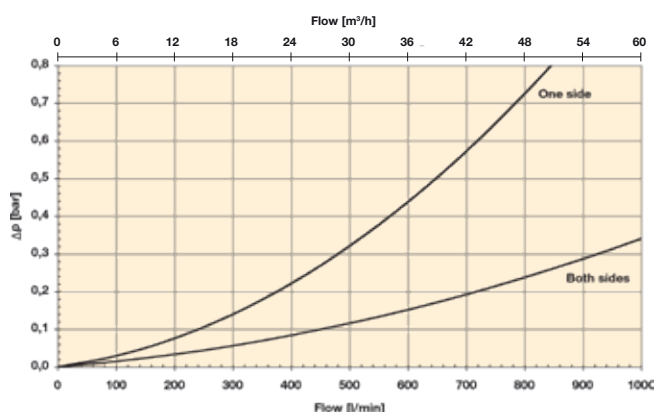
The recommended level of the initial pressure drop for this filter is maximum 0.5 bar.

Δp -curves are measured at 30 cSt.

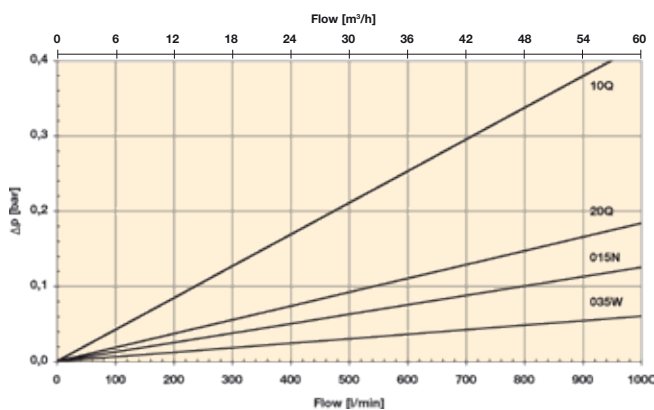
If the medium used has a viscosity different from 30 cSt, pressure drop over the element can be estimated as follows:

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

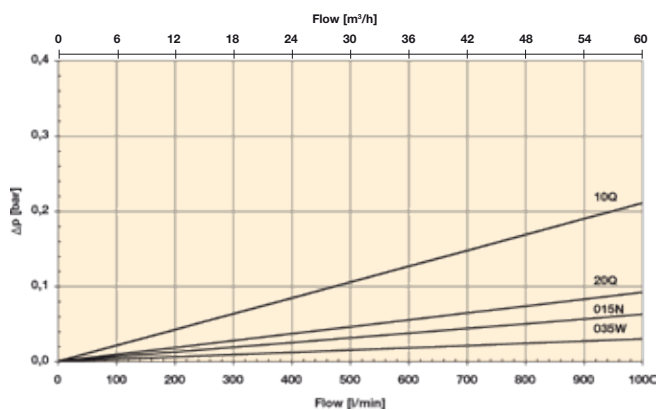
DF2035 housing



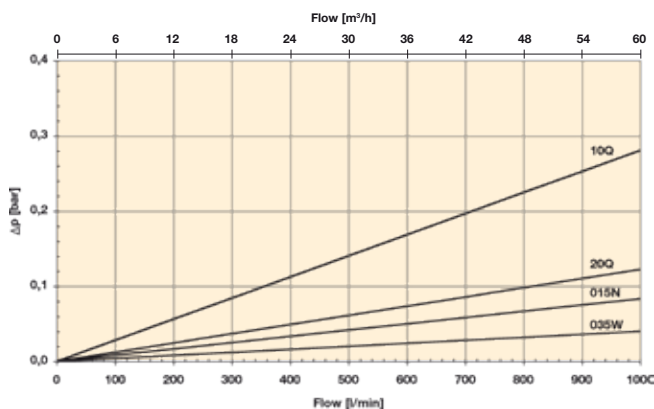
Length 2 element pack (2 pcs)/one side in use



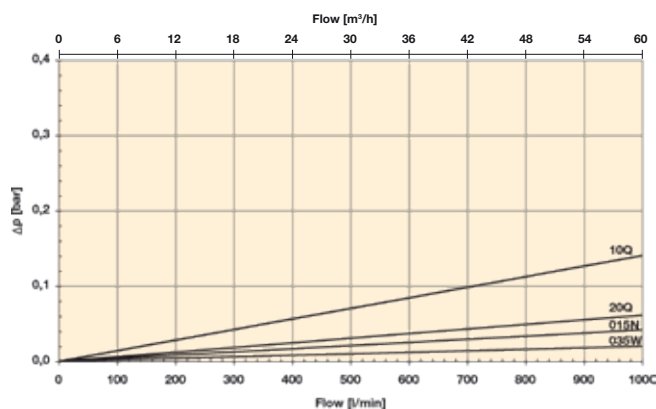
Length 2 element pack (2 + 2 pcs)/both sides in use



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 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.

WARNING – USER RESPONSIBILITY

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