

DF2145

Duplex Filters

Max. 80 l/min. 30 bar



Duplex filter for hydraulic, lube and fuel systems

Duplex operation for security and continuous flow. Several filtration media options include environmentally friendly Ecoglass III elements and allows wide selection of applications. Integrated differential pressure switch connection with shut off valve. Sturdy cast iron housing with pressure rating up to 30 bar. Block mounting available.



Applications:

- Industrial lube oil systems
- Industrial hydraulic systems
- Diesel engine fuel systems



80 l/min (4,8 m³/h)

Suitable for use with regular hydraulic and lubrication oils. For other fluids, please consult local Parker Hannifin representative.



DF2145

Pressure Drop Curves

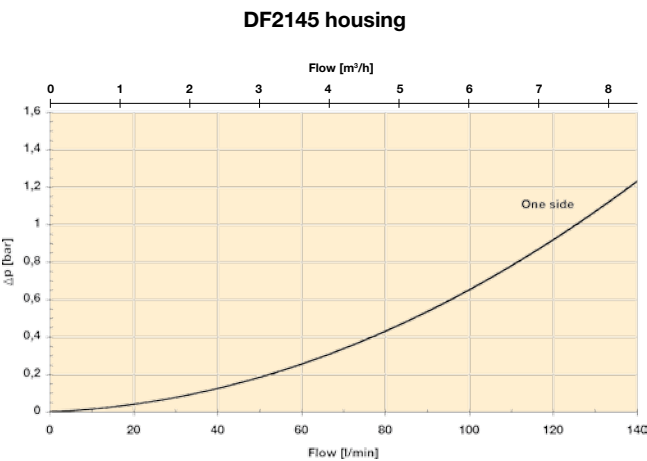
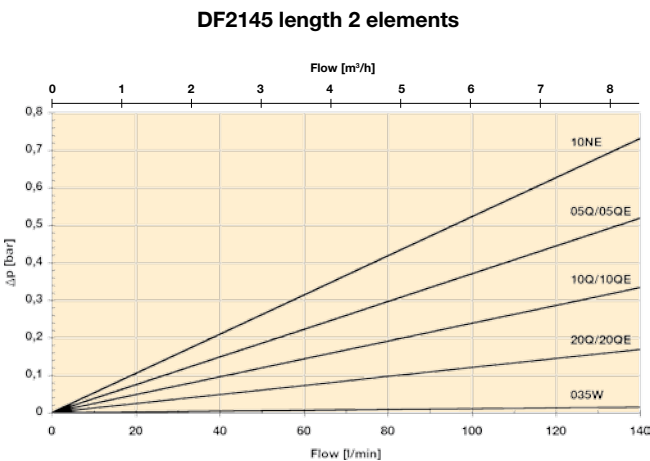
$\Delta p_{total} = \Delta p_{housing} + \Delta p_{element}$

The recommended level of the initial pressure drop for this filter is maximum 1.0 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:

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



REPLACEMENT ELEMENTS WITH FLUOROELASTOMER SEALS		
Media code		Order code
Glassfibre	Microglass III	Ecoglass III
05Q/05QE	939011Q	939014Q
10Q/10QE	939012Q	939015Q
20Q/20QE	939013Q	939016Q
Cellulose (Eco)		
NE10	939017	
Cleanable metal mesh		
035W	939018	
060W	939019	

Product Description for DF2145

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	DF2145

Table 2

FILTER SIZE	
Element length	CODE
Length 2	2

Table 3

DEGREE OF FILTRATION	
Element type	CODE
Microglass III	
Glassfibre 5 µm	05Q
Glassfibre 10 µm	10Q
Glassfibre 20 µm	20Q
Ecoglass III	
Glassfibre 5 µm	05QE
Glassfibre 10 µm	10QE
Glassfibre 20 µm	20QE
Other medias	
Cellulose 10 µm (nom) ECO	10NE
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
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
3.5 bar/2.5 bar	K
No/2.5 bar	K
No/No	X

When no bypass is selected and an indicator is specified, the "K" bypass marking refers to the indicator setting.

Table 7

FILTER CONNECTIONS	
Port size	CODE
G¾	G12
M26x1.5	M26

Table 8

OPTIONS	
Options	CODE
With bypass	1
No bypass	2

If several options are selected, please add the codes in order listed above.

SPARE PARTS	
Seal kits (fluoroelastomer)	CODE
Complete seal kit (includes also valve spool seals)	916045088
Service seal kit (includes seals for bowl, drain and Eco-adapter)	916045093
ECO adapter	
For Ecoglass III and 10NE elements	911042096

