DF60

Duplex Filters
Max. 350 l/min. 30 bar

Heavy duty lubrication

This heavy duty lubrication filter offers maximum performance especially in those applications using high viscosity lubricating oil. Filtration area has been enlarged to minimize element pressure drop. A perfect choice for a gearbox lubrication system where duplex filter is needed for continuous operation.

Contact Information:

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Applications:

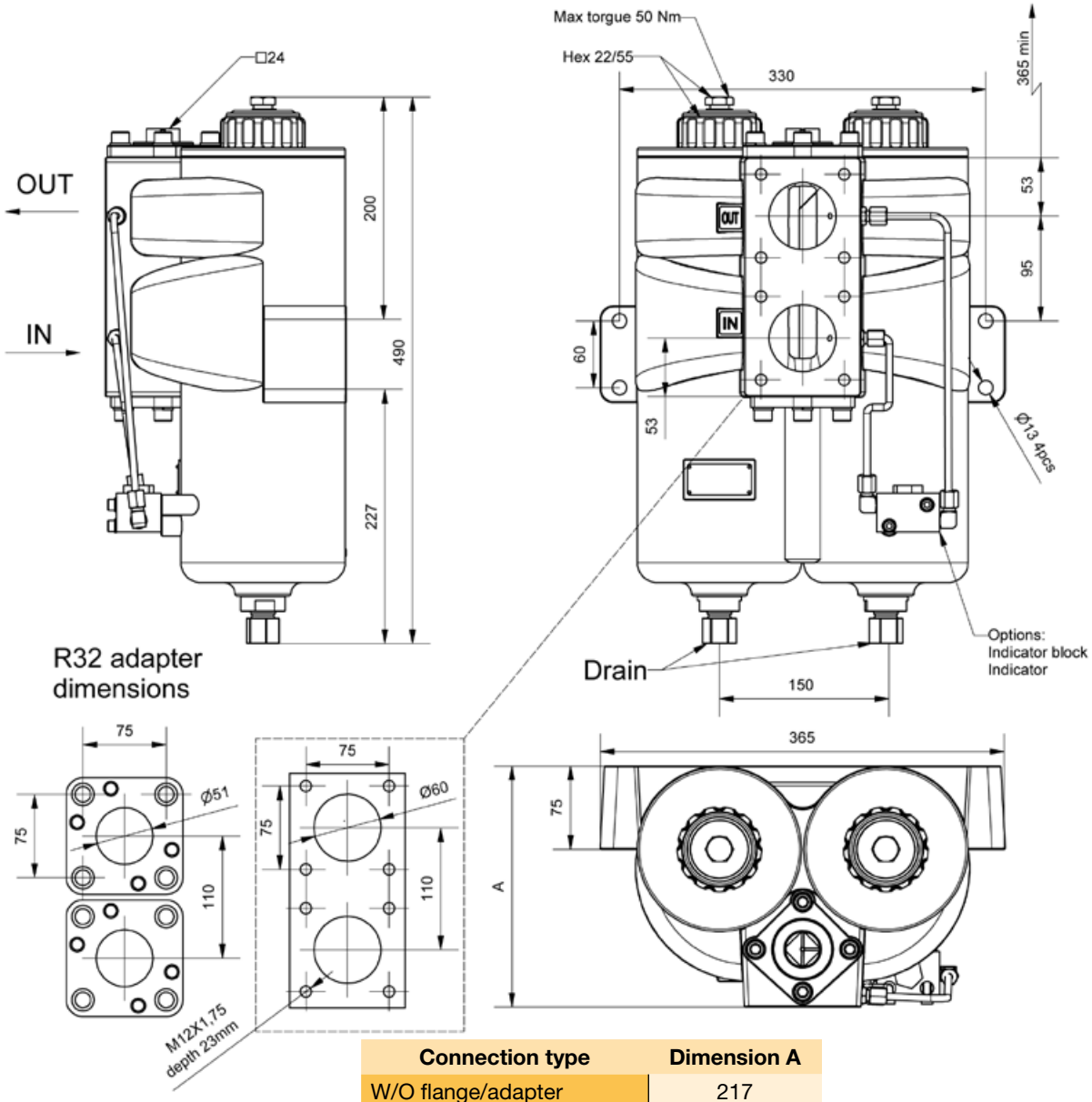
- Gearbox lube oil filter
- Turbine lubrication systems
- Medium pressure hydraulic systems

Specification

Duplex filter:
One reservoir can be closed for service, vertical installation.
Connections:
Square flanges with port size 60 mm. Standard delivery includes blind counter flanges. Optionally available with SAE 2”-3000M flange adapters.
Maximum operating pressure:
30 bar
Seal material:
Fluoroelastomer
Operating temperature:
-20°C...+120°C with Fluoroelastomer seals,
-20°C...+160°C with metal mesh elements and Fluoroelastomer seals
Housing material:
Cast iron (GJS)

Weight:
65 kg
Nominal flow rate (30 cSt):
350 l/min (21 m^3/h)
Bypass valve:
Standard bypass opening pressure 3.5 bar, optional opening pressure 1.7 bar or blocked bypass
Indicator options:
Visual, electrical or electronic indicator requires an indicator block. For details see indicator options table in product description page.
Filtration materials:
- Glassfibre Microglass III
- Cleanable metal mesh

Fluid compatibility:
Suitable for use with regular hydraulic and lubricating oils and diesel oil. For other fluids consult Parker Filtration.



Connection type	Dimension A
W/O flange/adapter	217
With X60 flange	233
With R32 adapter	246

DF60

Pressure Drop Curves

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

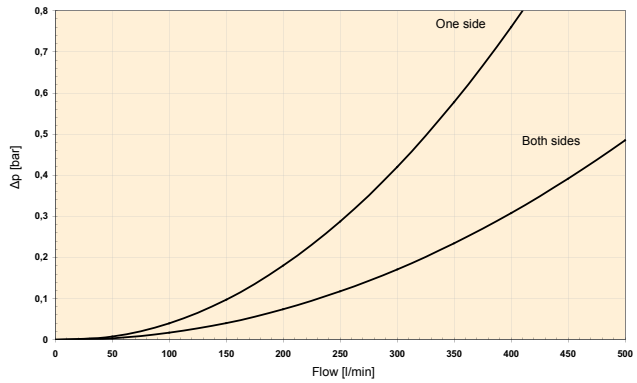
The recommended level of the initial pressure drop for this filter is maximum 0.5 bar.

Δ p-curves are measured at 30 cSt.

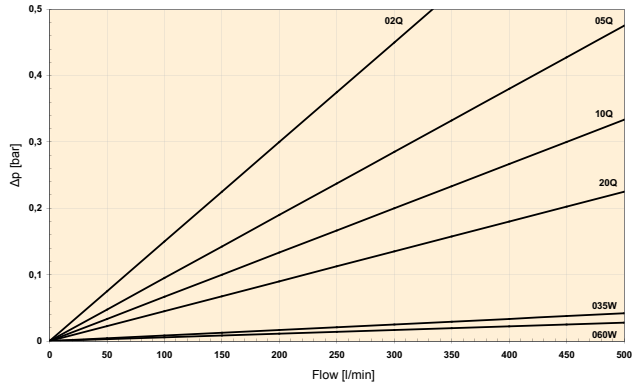
If the medium used has a viscosity different from 30 cSt, pressure drop over the element can be estimated as follows:

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

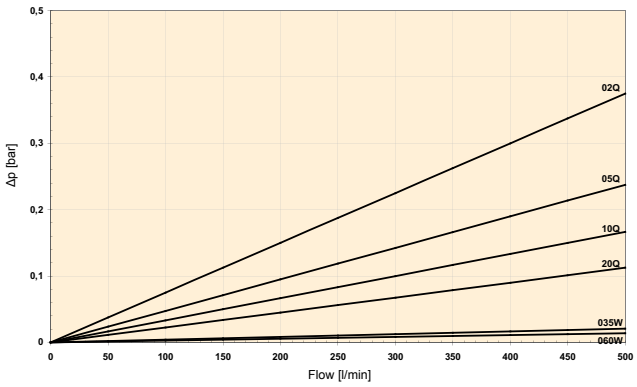
DF60 housing + element adapter



DF60 elements / one side



DF60 elements / both sides



Product Description for DF60

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	**DF60**

Table 2

FILTER SIZE	
Element length	**CODE**
Length 1	**1**

Table 3

DEGREE OF FILTRATION	
Element type	**CODE**
Microglass III	
Glassfibre 2 µm	02Q
Glassfibre 5 µm	05Q
Glassfibre 10 µm	**10Q**
Glassfibre 20 µm	**20Q**
Other medias	
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

Table 6

BYPASS VALVE	
Bypass/indicator setting	**CODE**
1.7 bar/1.2 bar	G
3.5 bar/2.5 bar	**K**
No/No	X

Table 7

FILTER CONNECTIONS	
Port size	**CODE**
Square flange 60 mm	**X60**
Flange adapter SAE 2”-3000M	R32

Table 8

OPTIONS	
Options	**CODE**
With bypass	**1**
No bypass	2

REPLACEMENT ELEMENTS WITH FLUOROELASTOMER SEALS	
Media code	**Order code**
Glassfibre	**Microglass III**
02Q	939230Q
05Q	939231Q
10Q	**939232Q**
20Q	**939233Q**
Cleanable metal mesh	
035W	939234
060W	939235

SPARE PARTS	
Seal kit for valve spool	**CODE**
Seal material	
Fluoroelastomer	916045096

Seals needed in element service are included in Parker original replacement element package.

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