DF60

Duplex Filters Max. 350 I/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:

 $65 \, \text{kg}$

Nominal flow rate (30 cSt):

350 l/min (21 m³/h)

Bypass valve:

Standard bypass opening pressure 3.5 bar, optional opening pressure 1.7 bar or blocked bypass

Indicator options:

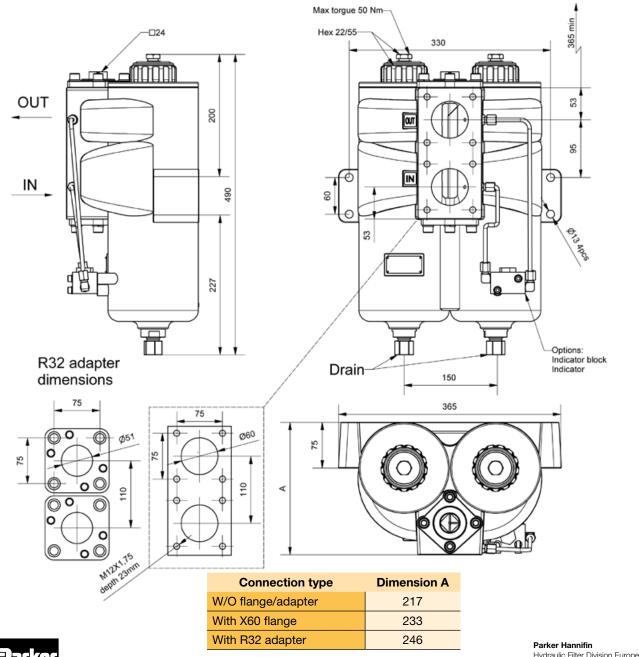
Visual, electrical or electronic indicator requires an indicator block. For details see indicator options table in product description page.

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.



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DF60

Pressure Drop Curves

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

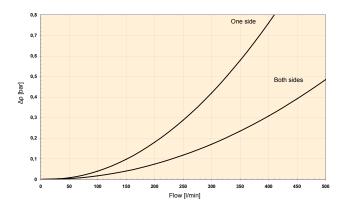
The recommended level of the initial pressure drop for this filter is maximum $0.5\,\mathrm{bar}$.

 Δ p-curves are measured at 30 cSt.

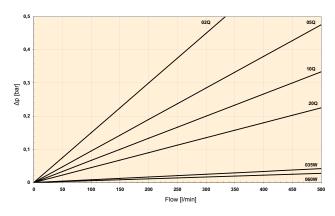
If the medium used has a viscosity different from 30 cSt, pressure drop over the element can be estimated as follows:

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

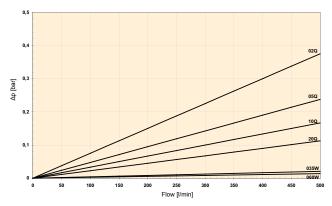
DF60 housing + element adapter



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			
CODE			
02Q			
05Q			
10Q			
20Q			
035W			
060W			

Table 4

SEAL TYPE		
Seal material	CODE	
Fluoroelastomer	V	

Table 5

INDICATORS			
Options	CODE		
No indicator block	N		
Indicator port plugged	Р		
Visual indicator	М3		
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	Х		

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.

- WARNING USER RESPONSIBILITY
 FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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