

FHB series

Maximum working pressure up to 32 MPa (320 bar) - Flow rate up to 485 l/min



Description Technical data

High Pressure filters

Manifold

Maximum working pressure up to 32 MPa (320 bar) Flow rate up to 485 l/min

FHB is a range of high pressure filter for protection of sensitive components in high pressure hydraulic systems in the mobile machines. They are directly connected to the side of the manifold, through the proper flanged interface.

Available features:

- Manifold connections up to Ø30 mm, for a maximum flow rate of 485 l/min
- Fine filtration rating, to get a good cleanliness level into the system
- Bypass valve, to relieve excessive pressure drop across the filter media
- Check valve, to protect the system against reverse flow
- Low collapse filter element "N", for use with filters provided with bypass valve
- High collapse filter element "H", for use with filters not provided with bypass valve
- High collapse filter element with external support "S", for filter element protection against the back pressure caused by the check valve in filters not provided with the bypass valve
- Visual, electrical and electronic differential clogging indicators

Common applications:

Delivery lines, in any high pressure industrial equipment or mobile machines

Filter housing materials

- Head: Phosphatized cast iron
- Housing: Phosphatized steel
- Bypass valve: Steel
- Check valve: Steel

Pressure

- Working pressure: 32 MPa (320 bar)
- Test pressure: 48 MPa (480 bar)
- Burst pressure: 96 MPa (960 bar)
- Pulse pressure fatigue test: 1 000 000 cycles with pressure from 0 to 32 MPa (320 bar)

Bypass valve

- Opening pressure 600 kPa (6 bar) ±10%
- Other opening pressures on request.

Δp element type

- Microfibre filter elements series N: 20 bar
- Microfibre filter elements series H: 210 bar (not available for FHB050)
- Microfibre filter elements series S: 210 bar (only for FHB050)
- Wire mesh filter elements series N: 20 bar
- Fluid flow through the filter element from OUT to IN

Seals

- Standard NBR series A
- Optional FPM series V

Temperature

From -25 °C to +110 °C

Connections

Manifold mounting

Note

FHB filters are provided for vertical mounting



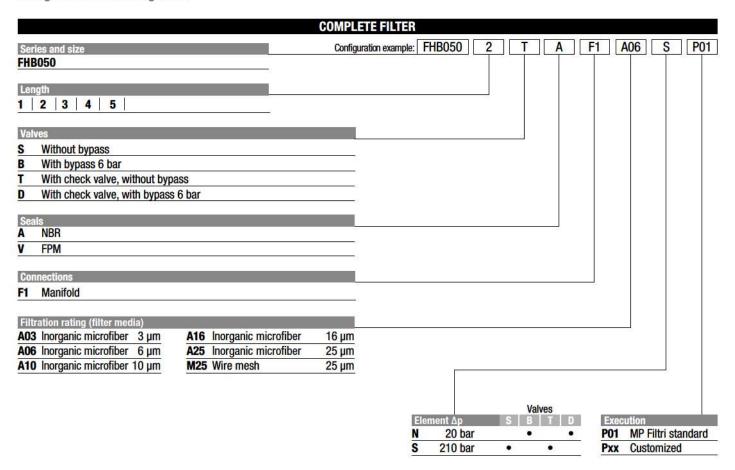
Weights [kg] and volumes [dm3]

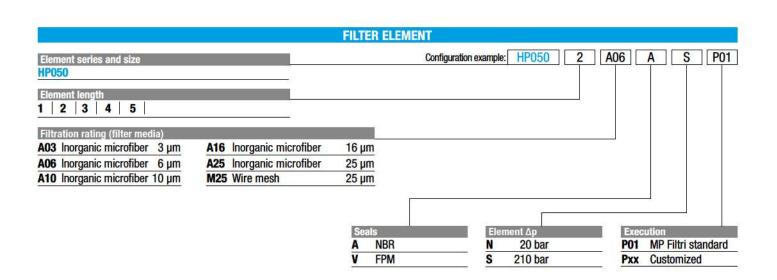
Filter series	Weights [kg]						Volumes [dm³]					
	Length					5	Length					
FHB 050		2.61	2.98	3.39	3.86	5.04		0.21	0.30	0.40	0.52	0.81
FHB 065		3.33	3.69	4.90	-) =		0.20	0.27	0.49	-	-
FHB 135		6.61	8.21	9.21	-	140		0.40	0.73	0.94	-	79 - 0
FHB 320		12.95	15.08	17.37	26.77) =		0.91	1.63	2.40	3.59	-

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Designation & Ordering code





	ACCES	SORIES		
Differential indicators	page			page
DEA Electrical differential indicator	567	DLE	Electrical / visual differential indicator	570
DEH Hazardous area electronic differential indicator	567-568	DTA	Electronic differential indicator	571
DEM Electrical differential indicator	568-569	DVA	Visual differential indicator	571
DLA Electrical / visual differential indicator	569-570	DVM	Visual differential indicator	571
Additional features	page			
T2 Plug	572			

MPFUTZ

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Dimensions

