

# FHF 325 series

Maximum working pressure up to 35 MPa (350 bar) - Flow rate up to 550 l/min Filter housing according to SAE J2066 for HF4 filter elements





# -325 general information

### Filter housing according to SAE J2066 for HF4 filter elements

#### Description

#### High Pres

#### Manifold

Maximun Flow rate

FHF is a ra components They are d hydraulic fit

**Available** 

- 1 1/2" fer manifold c
- Base-mou
- Filter elem
- Fine filtrat
- Bypass va
- Low colla bypass va
- Visual, ele

#### Common

Delivery line

#### Technical data

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<ul> <li>Filter housing materials <ul> <li>Head: Phosphatized cast iron</li> <li>Housing: Phosphatized steel</li> <li>Cover: Cast iron (chemical heat treatment)</li> <li>Bypass valve: Brass - Steel</li> </ul> </li> <li>Pressure <ul> <li>Working pressure: 35 MPa (350 bar)</li> <li>Test pressure: 52.5 MPa (525 bar)</li> <li>Burst pressure: 105 MPa (1050 bar)</li> <li>Pulse pressure fatigue test: 1 000 000 cycles with pressure from 0 to 35 MPa (350 bar)</li> </ul> </li> <li>Bypass valve <ul> <li>Opening pressure 600 kPa (6 bar) ±10%</li> <li>Other opening pressures on request.</li> </ul> </li> <li>Ap element type <ul> <li>Microfibre filter elements - series N: 20 bar</li> <li>Hird flow through the filter element from OUT to IN</li> </ul> </li> <li>Seals <ul> <li>Standard NBR series A</li> <li>Optional FPM series V</li> </ul> </li> <li>Temperature <ul> <li>From -25 °C to ±110 °C</li> </ul> </li> <li>Connections</li> <li>HF 325: In-line threaded connection</li> <li>HF 325: Manifold mounting</li> </ul> <li>Note <ul> <li>FHF filters are provided for vertical mounting</li> </ul> </li>

### Weights [kg] and volumes [dm<sup>3</sup>]

Filter series	Weights [kg]			Volumes [dm <sup>3</sup> ]						
	Length	ngth 1 2 3 Le				Length				
FHF 325		23.90	32.68	41.47			3.50	5.80	8.11	

#### Filter housing according to SAE J2066 for HF4 filter elements

#### FILTER ASSEMBLY SIZING Flow rates [I/min]

		Filter element design - N Series						
Filter series	Length	A03	A06	A10	A16	A25	M25	
	1	302	339	348	419	500	556	
FHF 325	2	401	424	434	457	505	557	
	3	416	451	460	469	510	559	

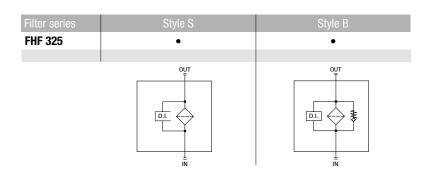
Maximum flow rate for a complete pressure filter with a pressure drop  $\Delta p = 1.5$  bar.

The reference fluid has a kinematic viscosity of 30 mm<sup>2</sup>/s (cSt) and a density of 0.86 kg/dm<sup>3</sup>.

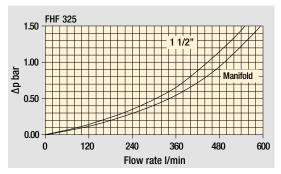
For different pressure drop or fluid viscosity we recommend to use our selection software available on www.mpfiltri.com.

You can also calculate the right size using the formulas present on the FILTER SIZING paragraph at the beginning of the full catalogue or at the beginning of the filter family brochure. Please, contact our Sales Department for further additional information.

#### Hydraulic symbols



Pressure drop Filter housings Δp pressure drop



The curves are plotted using mineral oil with density of 0.86 kg/dm<sup>3</sup> in compliance with ISO 3968. Δp varies proportionally with density.





### Designation & Ordering code

FHF 325

	<b>COMPLETE FILTER</b>		
Series and size	Configuration example: FHF325	2 S A H	7 A10 N P01
FHF325			
Length			
1   2   3			
Valves			
S Without bypass			
B With bypass 6 bar			
Seals			
A NBR			
V FPM			
Connections			
<b>A</b> G 1 1/2"			
<b>B</b> 1 1/2" NPT			
<b>C</b> SAE 24 - 1 7/8" - 12 UN			
G 1 1/2" SAE 6000 psi/M			
H 1 1/2" SAE 6000 psi/UNC M Manifold Ø1.38"			
N Manifold Ø1.50"			
Connection for differential indicator7With two connections plugged on both sides			
1 What two connections plugged on boar sides			
Filtration rating (filter media)			
A03 Inorganic microfiber 3 µm			
A06         Inorganic microfiber         6 μm           A10         Inorganic microfiber         10 μm			
A10 Inorganic microfiber 16 μm		Element Δp	Execution
A25 Inorganic microfiber 25 μm		N 20 bar	P01 MP Filtri standard
M25 Wire mesh 25 µm			Pxx Customized

		FILTE	R ELEME	NT					
Element series and size				Configuration example:	HF325	2 A	10	Α	N P01
HF325									
Element length									
1   2   3									
<b>F</b> 'll		I							
Filtration rating (filter media)	0								
A03 Inorganic microfiber	3 µm								
A06 Inorganic microfiber	6 µm								
A10 Inorganic microfiber	10 µm								
A16 Inorganic microfiber	16 µm								
A25 Inorganic microfiber	25 µm								
M25 Wire mesh	25 µm	Sea	ls	Elem	nent ∆p		Exec	ution	
		Α	NBR	Ν	20 bar		P01	MP Filtr	i standard
		V	FPM				Рхх	Custom	ized

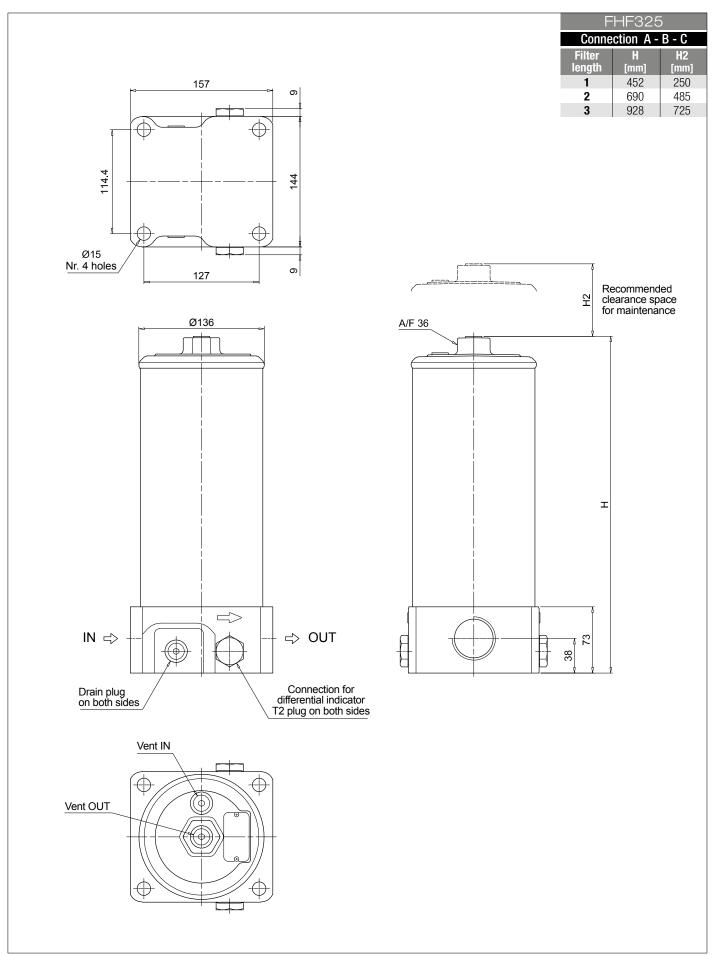
		CLOGGING INDICAT	ORS	See page 622
DEA	Electrical differential indicator	DTA	Electrical differential indicator	
DEM	Electrical differential indicator	DVA	Visual differential indicator	
DLA	Electrical / visual differential indicator	DVN	Visual differential indicator	
DLE	Electrical / visual differential indicator			
		PLUGS		See page 706
TO				

T2 Differential indicator plug

544

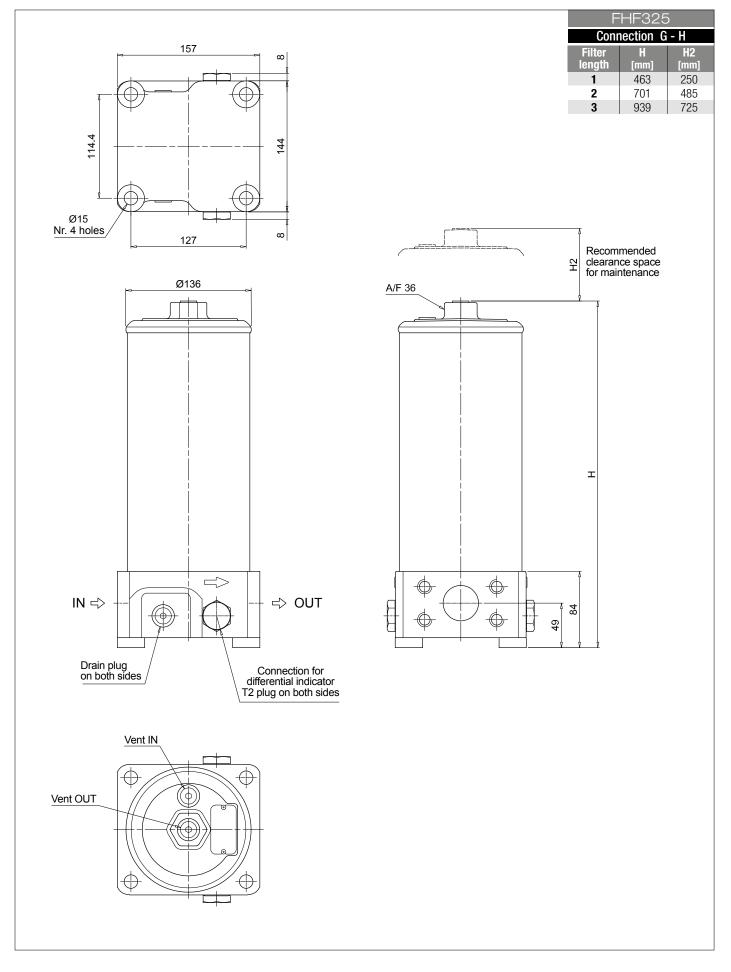
## FHF 325

Dimensions



## FHF 325

#### Dimensions

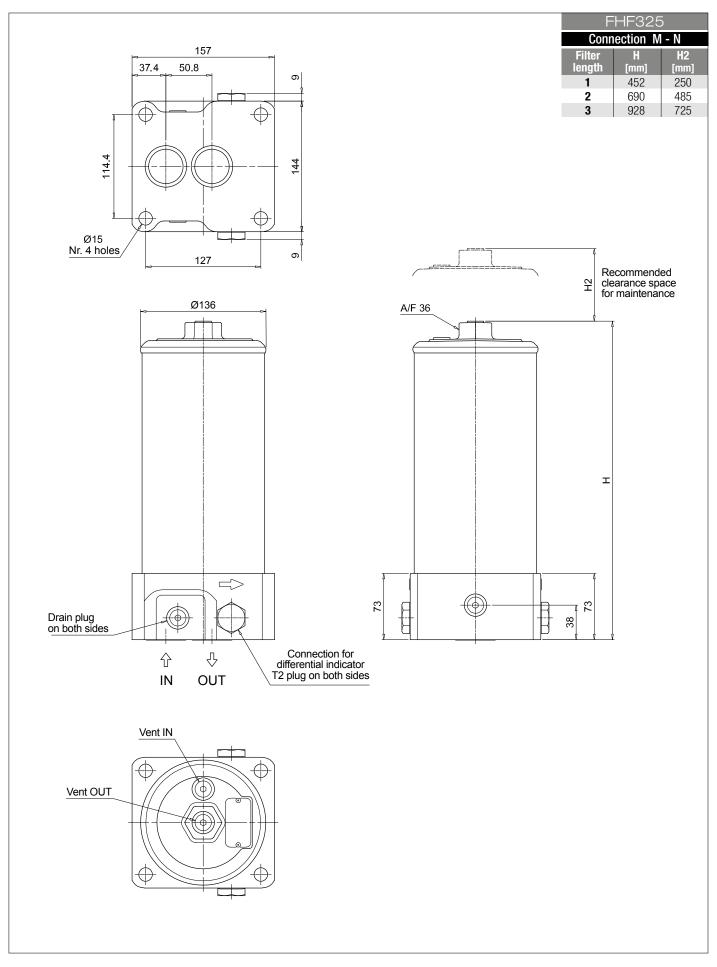


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## FHF 325

Dimensions





(547)

## FHF 325 SPARE PARTS

Filter housing according to SAE J2066 for HF4 filter elements

Order number for spare parts

