

FHGB Series

DESCRIPTION

High pressure filter

Connection type and size:

Threaded connection: 1/2" 3/4" 1"

Maximum flow rate up to 120 l/min

TECHNICAL PARAMETER

Maximum working pressure: 320 bar

Bypass valve opening pressure: 6 bar

Transmitter opening pressure: 5 bar

Temperature range: -25 to +110

MATERIALS

Head: Cast iron

Filter bowl: Carbon steel

Seals: NBR nitrile rubber (standard)

Or FKM fluororubber (customizable)

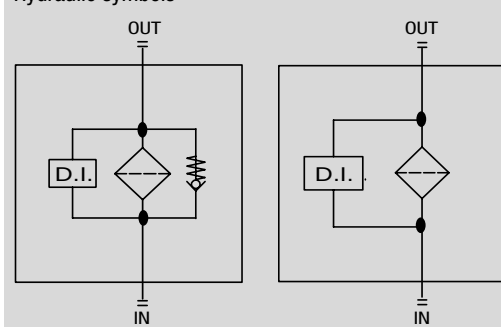
Filter element material: Fiberglass,

Stainless steel wire mesh



Highforce P

Hydraulic symbols

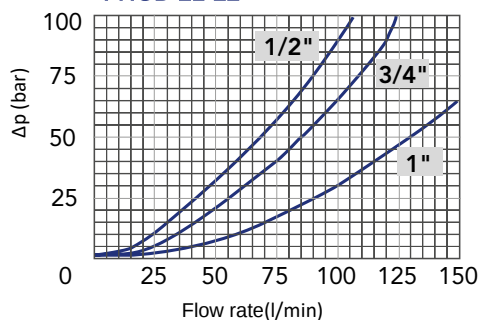


MEDIA COMPATIBILITY

Suitable for mineral oil, lubricating oil, fire-resistant oil, and rapidly biodegradable media.
(If used for water-based or special media, please consult our sales department.)

Filter housings Δp pressure drop

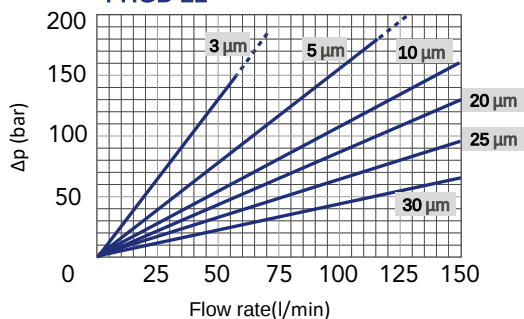
FHGD 21-22



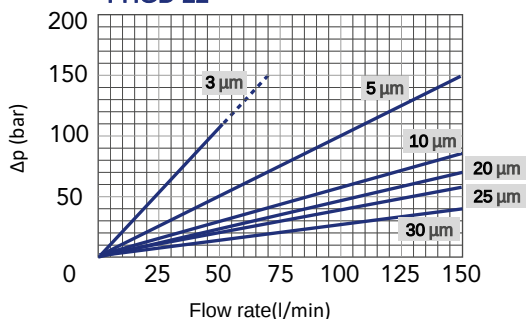
Pressure drop of cleaning filter element

(Depending both on the internal diameter of the element and on the filter media).

FHGD 21

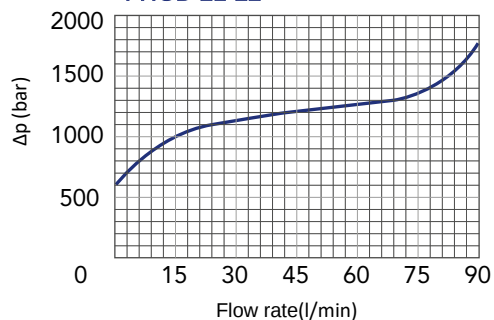


FHGD 22



Bypass valve pressure drop

FHGD 21-22



The curves are plotted using mineral oil with density of 0.86 kg/dm³ in compliance with ISO 3968 Δp varies proportionally with density.

Ordering Options Table

	FHGD	21	G2	F	10	N	A	B6																	
Filter type																									
Filter specification																									
21 22																									
Connection type and size																									
<table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th rowspan="2">Connection</th> <th colspan="2">Filter specification</th> </tr> <tr> <th>21</th> <th>22</th> </tr> </thead> <tbody> <tr> <td>G2</td> <td>G 1/2"</td> <td>●</td> <td>●</td> </tr> <tr> <td>G3</td> <td>G 3/4"</td> <td>●</td> <td>●</td> </tr> <tr> <td>G4</td> <td>G 1"</td> <td>●</td> <td>●</td> </tr> </tbody> </table>	Type	Connection	Filter specification		21	22	G2	G 1/2"	●	●	G3	G 3/4"	●	●	G4	G 1"	●	●							
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	21	22																							
G2	G 1/2"	●	●																						
G3	G 3/4"	●	●																						
G4	G 1"	●	●																						
Filter element material																									
F: Fiberglass W: Stainless steel wire mesh																									
Filter fineness(μm)																									
F: 03 05 10 20 30 W: 25 60 90																									
Seals																									
N: NBR V: FKM																									
Differential pressure transmitter																									
A: Steel blanking plug in indicator port B: Visual (Automatic reset) BM: Visual (Manual reset) C: Electrical indicator CM: Visual and electrical indicators CL: Visual and electrical indicators D: Electrical indicator DM: Electrical indicator Plug DT 04-2P																									
Bypass valve opening pressure																									
B0 = Without B6 = 6 bar																									

Filter Element

FYGD 21 F 10 N

Filter element type

Filter element specification

21 22

Filter element material

- F: Fiberglass
- W: Stainless steel wire mesh

Filter fineness(μm)

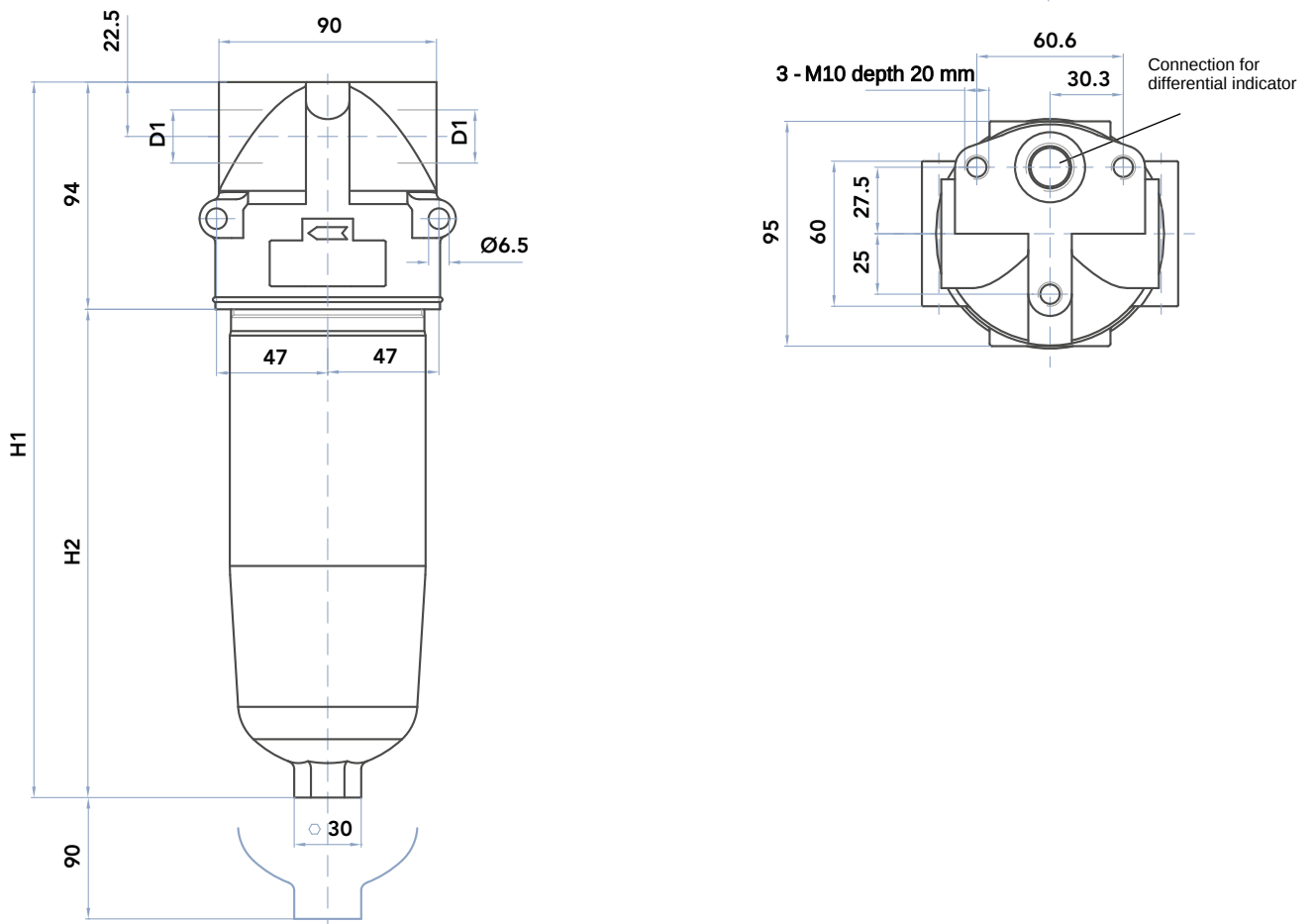
- F: 03 05 10 20 30
- W: 25 60 90

Seals

- N: NBR V: FKM



DIMENSIONS



Filter housing

Product code	D1	H1	H2	Kg
FHGD 21	1/2" - 3/4" - 1"	205	111	4.8
FHG D22	1/2" - 3/4" - 1"	300	206	6.2