

PHGT Series

● DESCRIPTION

High pressure filter

Side panel connection

Inside diameter: Ø16 Ø20 Ø30

Maximum flow rate up to 485 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



Highforce P

● MATERIALS

Head: Cast iron

Filter barrel: Carbon steel

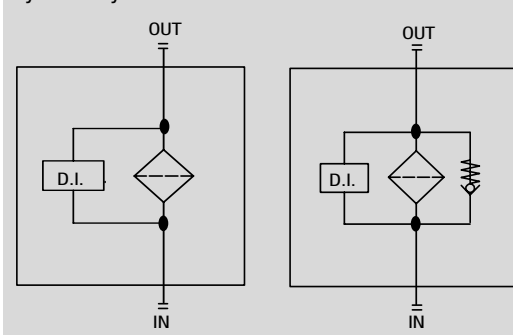
Seals: NBR nitrile rubber (standard)

Or FKM fluororubber (customizable)

Filter element material: Fiberglass,

Stainless steel wire mesh

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.)

Weights [kg] and volumes [dm³]

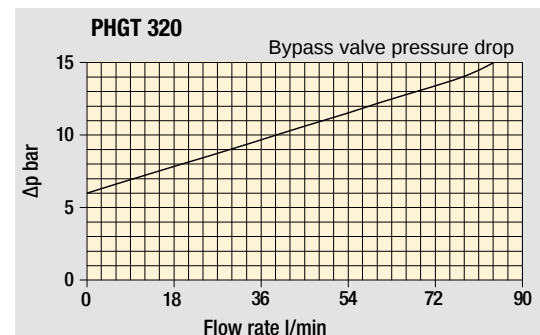
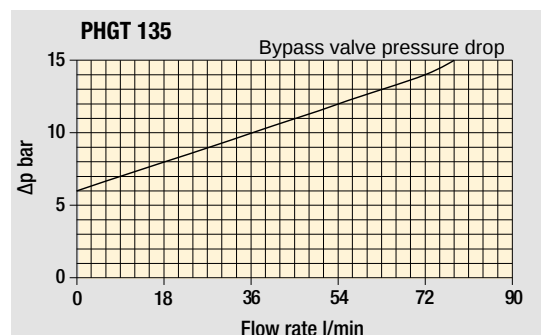
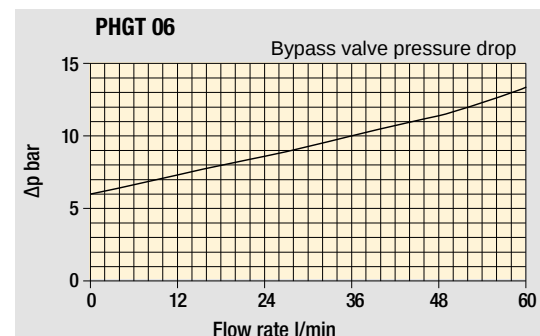
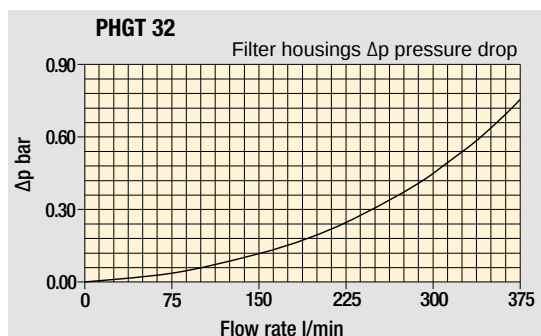
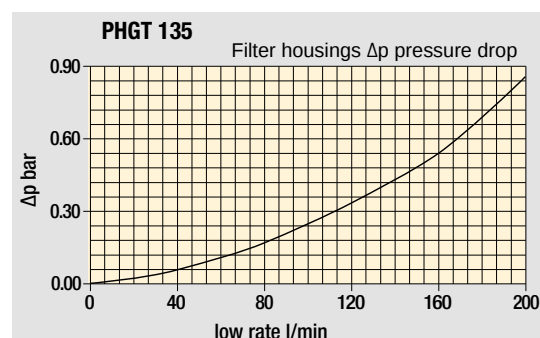
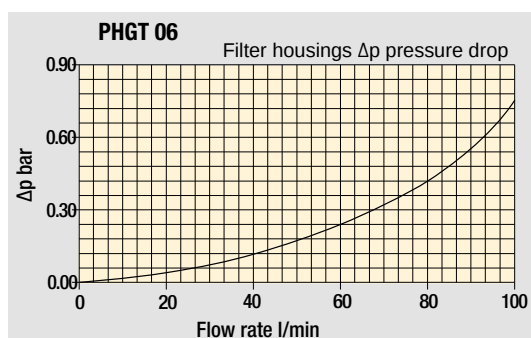
Filter series	Length	Weights [kg]				Length	Volumes [dm ³]			
		1	2	3	4		1	2	3	4
PHGT 065		3.33	3.69	4.90	-		0.20	0.27	0.49	-
PHGT 135		6.61	8.21	9.21	-		0.40	0.73	0.94	-
PHGT 320		12.95	15.08	17.37	26.77		0.91	1.63	2.40	3.59

FILTER ASSEMBLY SIZING

Flow rates (l/min)

Filter series	Length	Filter element design - F series					W series	
		F03	F05	F10	F20	F30	W25	
PHGT 065	1	25	33	55	62	87	133	
	2	33	51	70	76	101	134	
	3	60	71	97	103	118	138	
PHGT 135	1	67	72	120	129	177	212	
	2	109	116	152	154	224	250	
	3	153	155	201	205	226	253	
PHGT 320	1	130	143	238	286	343	442	
	2	259	281	391	409	454	468	
	3	332	368	441	455	463	476	
	4	368	390	446	462	481	488	

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

The reference fluid has a kinematic viscosity of 30 mm²/s (cSt) and a density of 0.86 kg/dm³.


Ordering Options Table

	PHGT	320	2	T3	F	10	N	A	B6																						
Filter type																															
Filter specification																															
065 135 320																															
Length																															
1 2 3 4																															
Connection type and size																															
<table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th rowspan="2">Connection</th> <th colspan="3">Filter specification</th> </tr> <tr> <th>065</th> <th>135</th> <th>320</th> </tr> </thead> <tbody> <tr> <td>T1</td> <td>Ø16</td> <td>●</td> <td>-</td> <td>-</td> </tr> <tr> <td>T2</td> <td>Ø20</td> <td>-</td> <td>●</td> <td>-</td> </tr> <tr> <td>T3</td> <td>Ø30</td> <td>-</td> <td>-</td> <td>●</td> </tr> </tbody> </table>	Type	Connection	Filter specification			065	135	320	T1	Ø16	●	-	-	T2	Ø20	-	●	-	T3	Ø30	-	-	●								
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Filter element material																															
F: Fiberglass W: Stainless steel wire mesh																															
Filter fineness(µm)																															
F: 03 05 10 20 30 W: 25																															
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																															
S = Without bypass valve B = 6 bar																															

Filter Element

PYGT 320 2 F 10 N

Filter element type

Filter element specification

039 065 135 320

Length

1 2 3 4

Filter element material

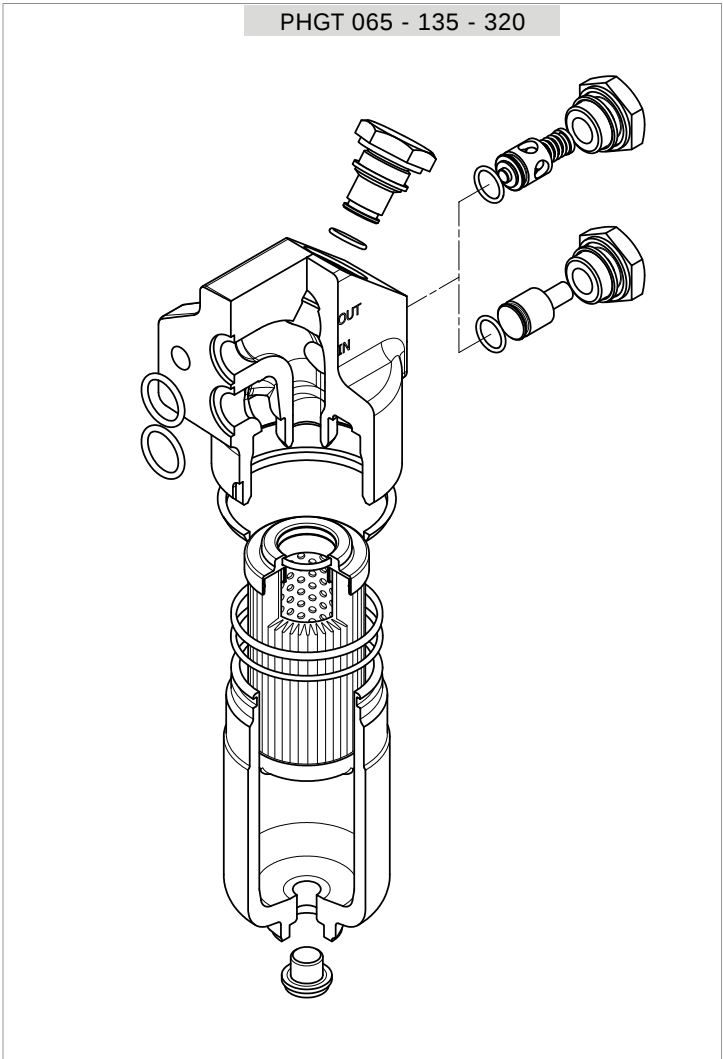
- F: Fiberglass
- W: Stainless steel wire mesh

Filter fineness(μm)

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

Seals

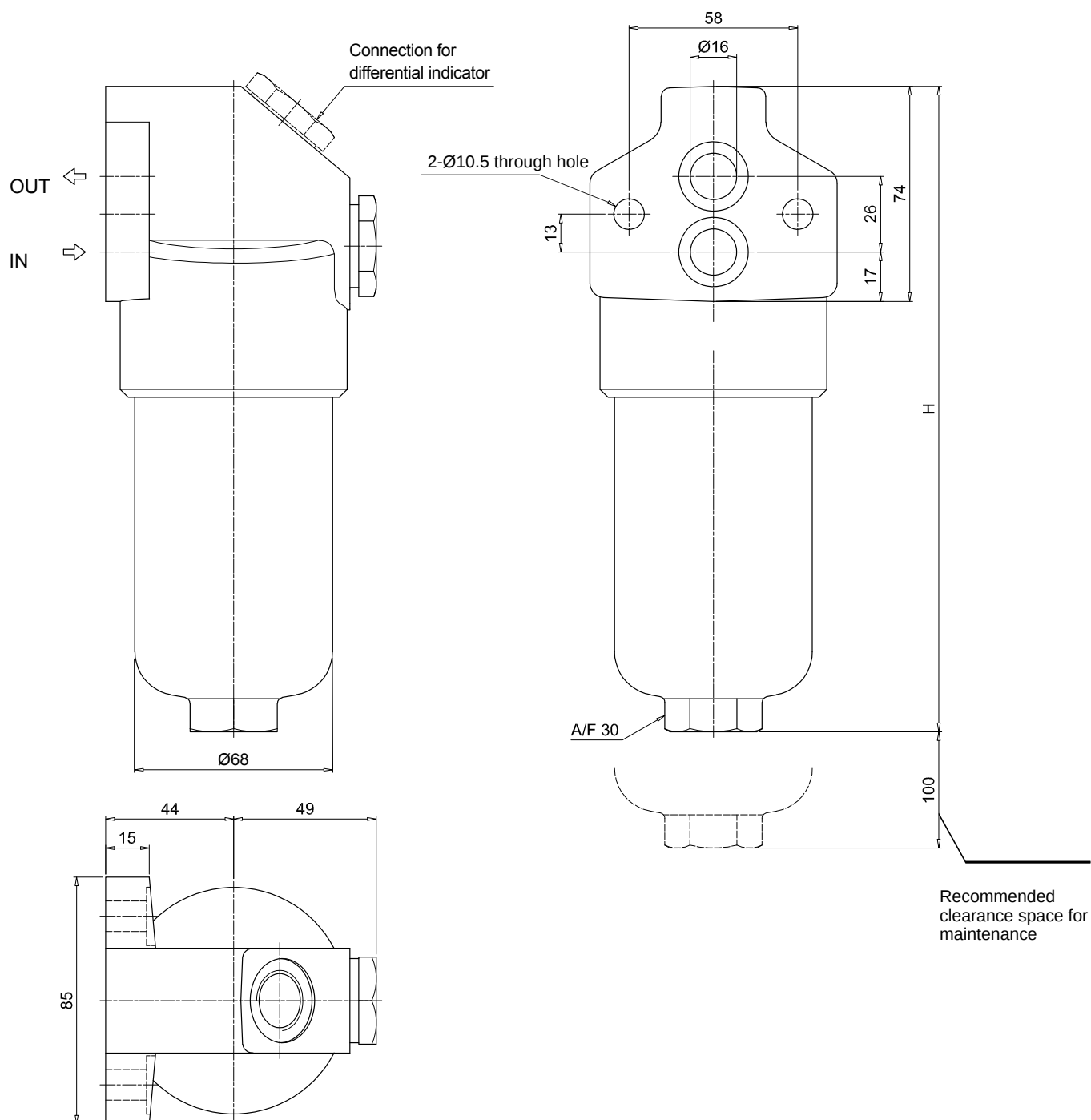
N: NBR V: FKM



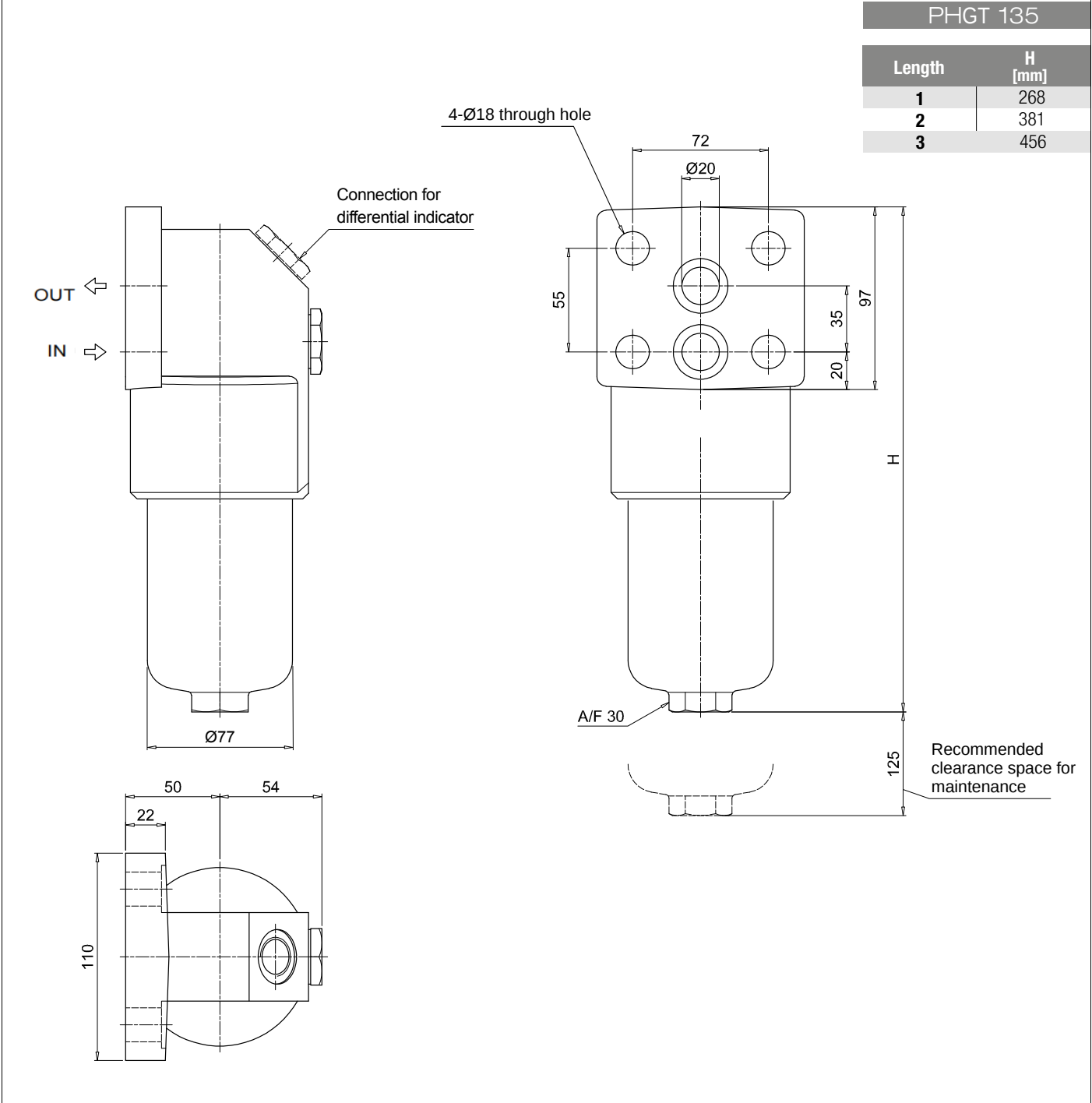
DIMENSIONS

PHGT 065

Length	H [mm]
1	194
2	225
3	327



DIMENSIONS



DIMENSIONS

