

PHHV Series

● DESCRIPTION

Spin-on line filter

Connection type and size:

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

Maximum flow rate up to 195 l/min

● TECHNICAL PARAMETER

Maximum working pressure: 35 bar

Bypass valve opening pressure: 2.5 bar

Transmitter opening pressure: 1.5 bar

Temperature range: -20 to +110

● MATERIALS

Head: Cast iron

Filter bowl: Carbon steel

Seals: NBR nitrile rubber (standard)

FKM fluororubber (customizable)

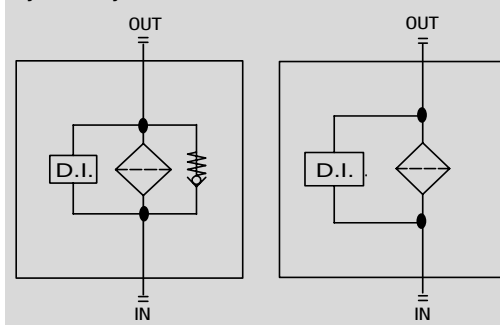
Filter element material: Fiberglass

● 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.)



Hydraulic symbols

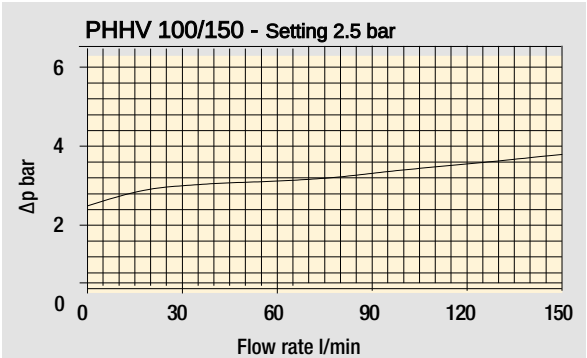


Weights [kg] and volumes [dm³]

Filter series	Weights [kg]	Volumes [dm ³]
PHHV 100	3.30	1.80
PHHV 150	3.80	2.20

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

Bypass valve pressure drop

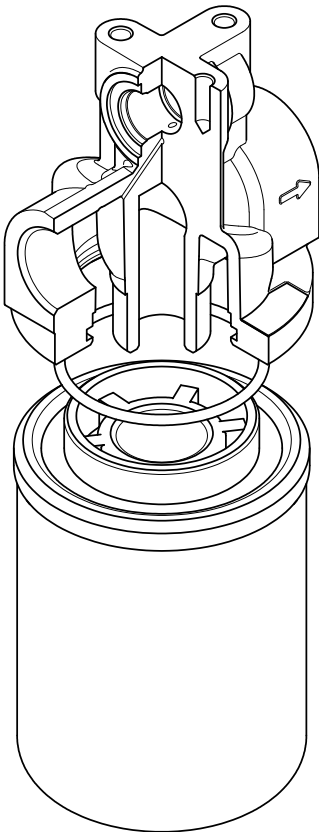


Filter element

PYHV

Thread connection

Model	Connection port
PHHV 100 - 150	M45 x 2



Ordering Options Table

	PHHV	100	G5	F	10	N	A	B															
Filter type																							
Filter specification																							
100 150																							
Connection type and size																							
<table border="1"> <thead> <tr> <th>Type</th> <th>Connection</th> <th colspan="2">Filter specification</th> </tr> <tr> <th></th> <th></th> <th>100</th> <th>150</th> </tr> </thead> <tbody> <tr> <td>G5</td> <td>1-1/4"</td> <td>●</td> <td>●</td> </tr> <tr> <td>G6</td> <td>1-1/2"</td> <td>●</td> <td>●</td> </tr> </tbody> </table>	Type	Connection	Filter specification				100	150	G5	1-1/4"	●	●	G6	1-1/2"	●	●							
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G5	1-1/4"	●	●																				
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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 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																							
S = Without bypass valve																							
B = 2.5 bar																							

Filter Element

PYZS 100 F 10 N

Filter element type

Filter element specification

100 150

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

