EFPI Series

EVOTEK High Pressure Filters

Product Description

- Operating pressure up to 315 bar
- 110 l/min max. flow rate
- application in sandwich stacking
- compliant with industry relevant ISO standards(see ISO test below)

Technical Specifications

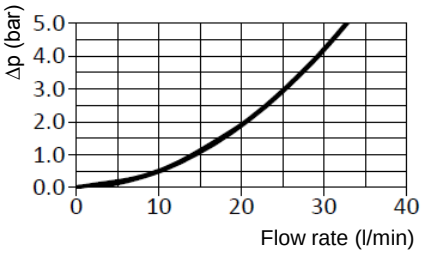
Application	Sandwich Stacking high pressure filter
Port Sizes:	between CETOP 4 or5 valves
Flow Rate:	max. 110 l/min
Operating Pressure:	max. 315 bar
Burst Pressure:	min. 950 bar
Element Collapse Pressure:	210 bar
Indicator on pressure:	Δp=8 bar ± 10%
Material	
Seals:	NBR or FPM (-10°C to 100°C)
Filter Head:	steel
Filter Bowl:	steel
Compatibility:	Suitable for mineral oils, lubrication oils, non-flam fluids, synthetic and rapidly biodegradable oils (for use with water or other fields please contact our technical department)
Tested according to ISO standards:	ISO2941 Collapse/burst resistance ISO2942 Fabrication integrity ISO2943 Material compatibility integrity ISO3723 Method for end load test ISO3724 Flow fatigue characteristics ISO3968 Pressure Drop vs. Flow Rate ISO16889 Multi-Pass Test

EFPI Sandwich Stacking high pressure filter

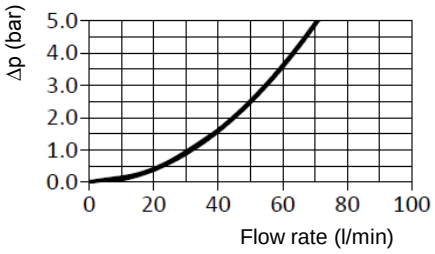
Pressure Drop Graphs (Δp)

Pressure Drop of Filter Housing only

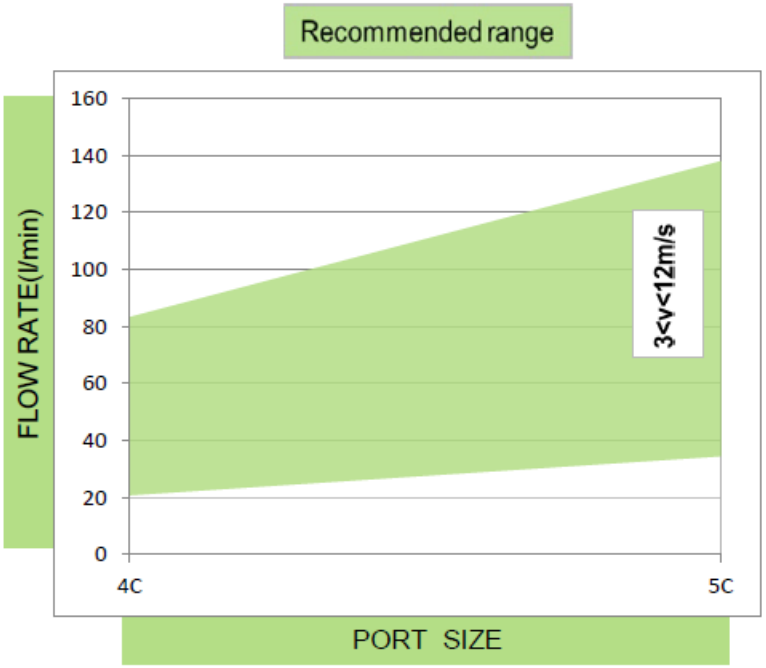
EFPI1



EFPI2 & 3



Graph of oil flow velocity
(we recommend to select size of the filter considering range of oil velocity between 3 to 12 m/s for pressure series)

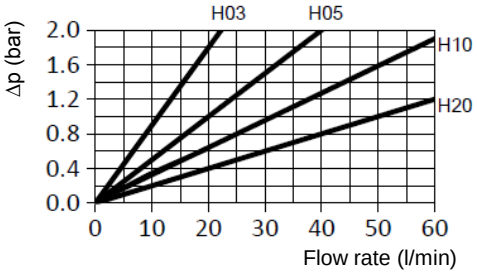


EFPI Sandwich Stacking high pressure filter

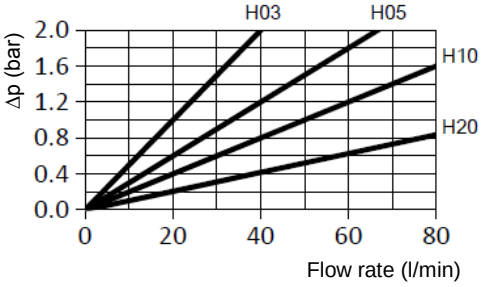
Pressure Drop Graphs (Δp)

Pressure Drop with Clean Filter Elements (H filter media)

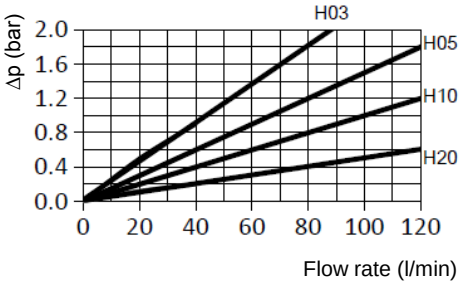
EEPP1



EEPP2



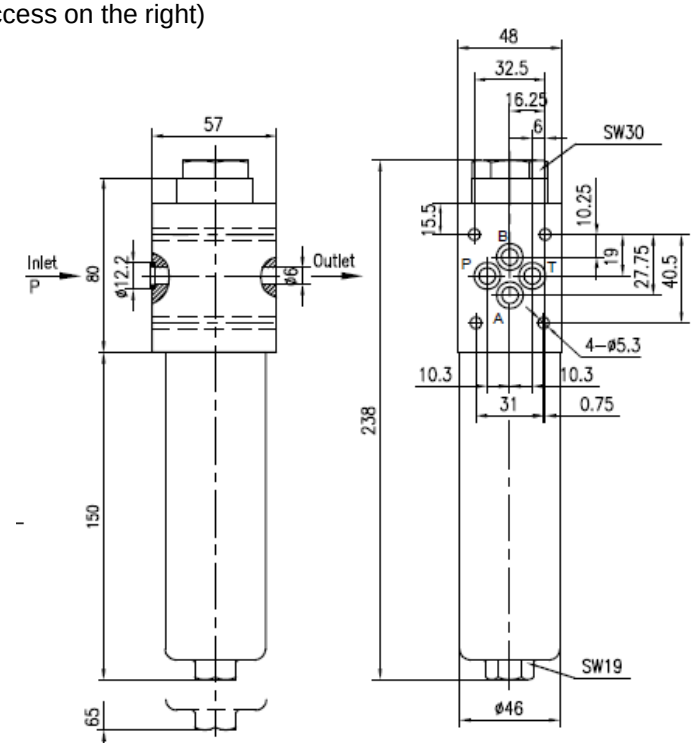
EEPP3



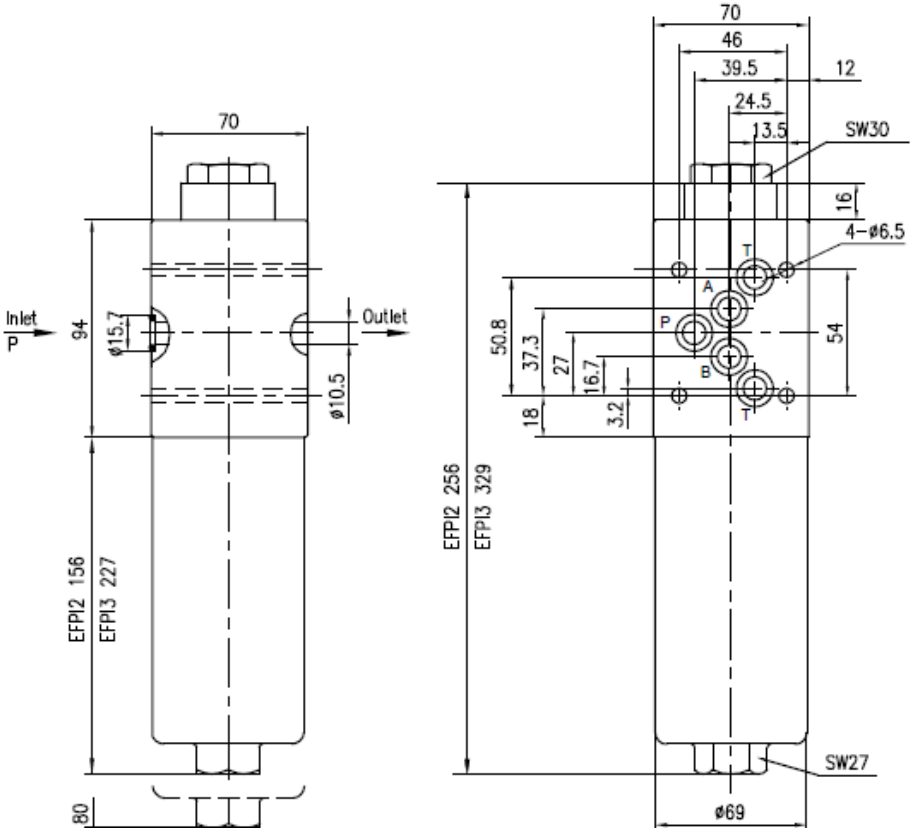
EFPI Manifold Mounting High Pressure Filter

Technical Drawings and Dimension

EFPI1(service access on the right)



EFPI2 & 3(service access on the right)



EFPI Sandwich Stacking high pressure filter

Order Codes

Filter Assembly Series	A	B	C	-	D	-	E	F
EFPI	1	4C	B	-	H03	-	E80	

Element Series	A	D	E
EEPP	1	B	H03

Select the code for each filter (or element) feature according to your requirements and place it in the sequence (see example above) to create the corresponding product order code.

A Size Flow Rate

1	30 l/min
2	60 l/min
3	110 l/min

B Connection Ports

4C	4 ports A6 DIN 24340 / CETOP R35H
5C	5 ports A10 DIN 24340 / CETOP R35H

C Seal

B	NBR
V	FPM

D Media Material

		Filtration	Collapse Pressure
H03	Fibreglass	5µm	210 bar
H05	Fibreglass	7µm	210 bar
H10	Fibreglass	12µm	210 bar
H20	Fibreglass	21µm	210 bar

E Indicator

00	No	Connection
V80	8 bar visual	M20*1.5 Thread
E80	8 bar visual/electrical	M20*1.5 Thread
E80S	8 bar electrical	M20*1.5 Thread
E80T	8 bar electrical with thermostat (30℃)	M20*1.5 Thread

F Special

L	service access on the left

Notes