



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)

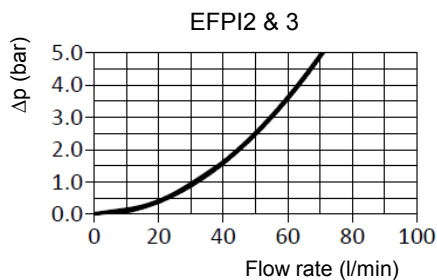
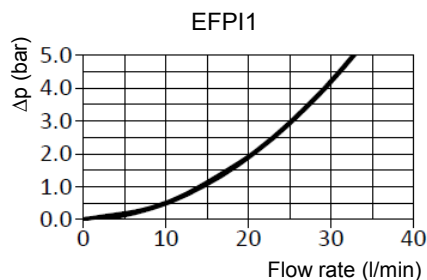
Technical Specifications

Application	Sandwich Stacking high pressure filter
Port Sizes:	between CETOP 4 or 5 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:	$\Delta p = 8 \text{ bar} \pm 10\%$
Material	
Seals:	NBR or FPM (-25°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

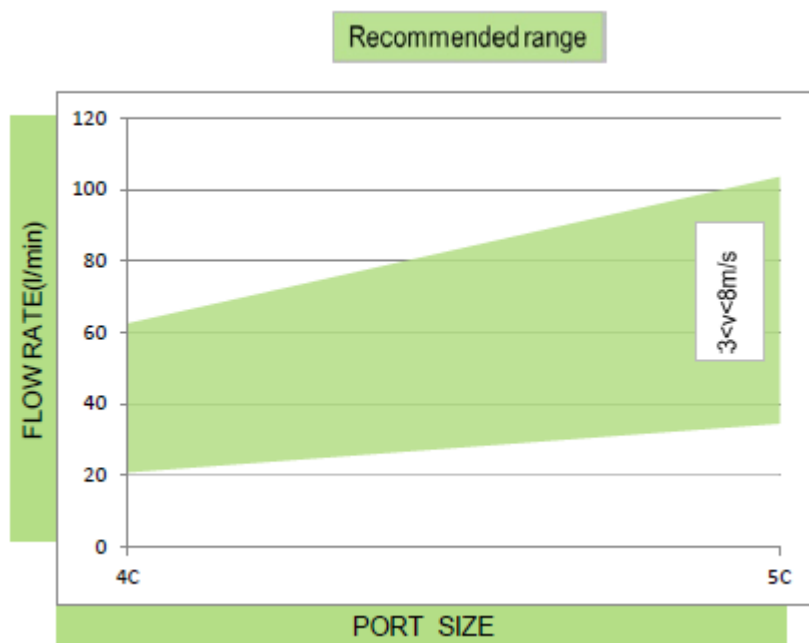
Pressure Drop Graphs (Δp)

Pressure Drop of Filter Housing only



Graph of oil flow velocity

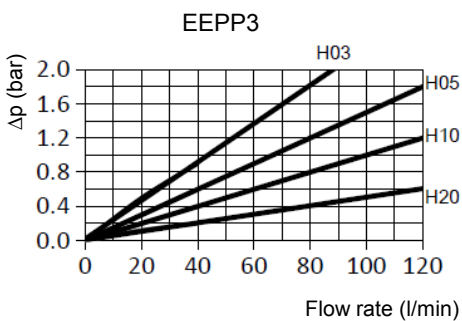
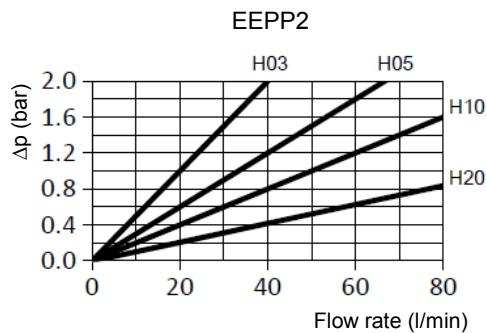
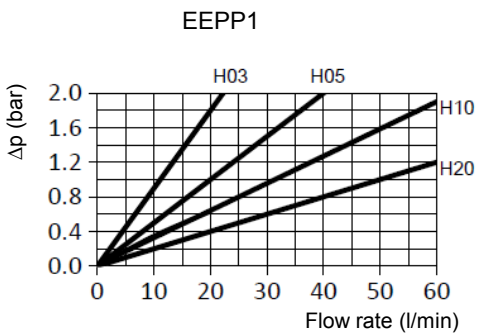
(we recommend to select size of the filter considering range of oil velocity between 3 to 8 m/s for pressure series)



EFPI Sandwich Stacking high pressure filter

Pressure Drop Graphs (Δp)

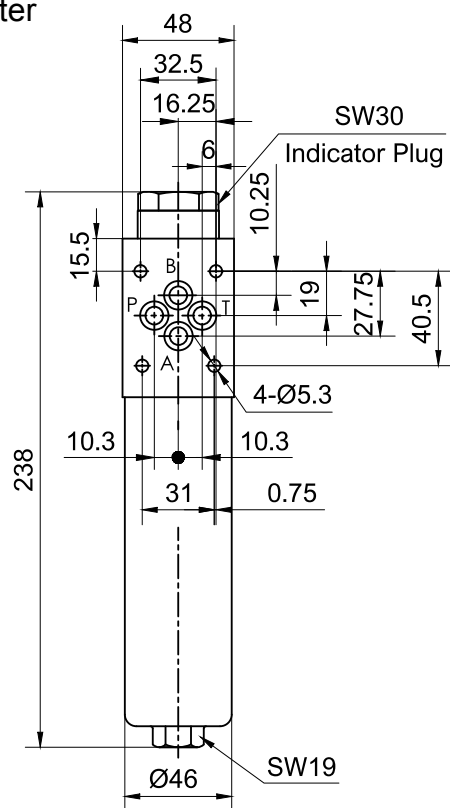
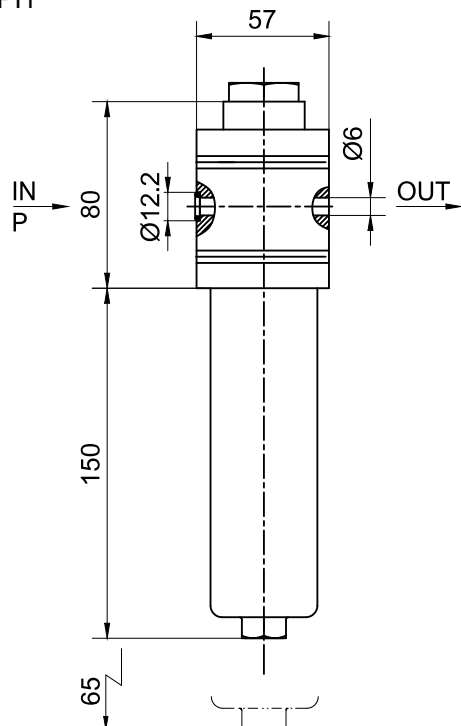
Pressure Drop with Clean Filter Elements (H filter media)



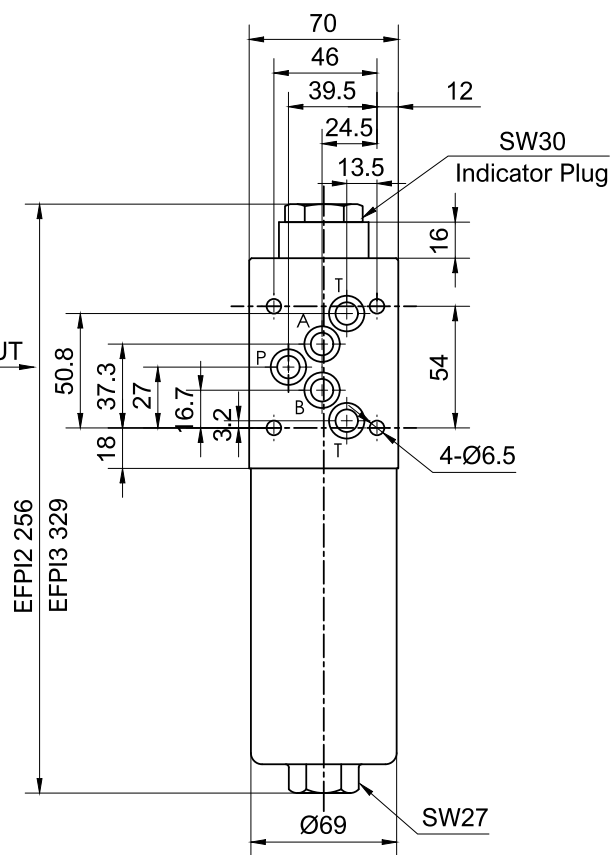
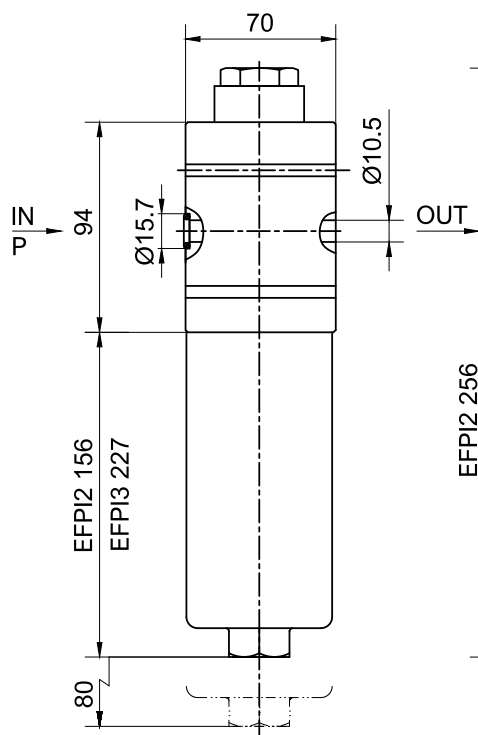
EFPI Manifold Mounting High Pressure Filter

Technical Drawings and Dimension

EFPI1



EFPI2 & 3



EFPI Sandwich Stacking high pressure filter

Order Codes

Filter Assembly Series	A	B	C	-	D	-	E	Element Series	A	D	E
EFPI	1	4C	B	-	H03	-	E80	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		C Seal				
1	30 l/min	B		NBR		
2	60 l/min	V		FPM		
3	110 l/min					
B Connection Ports		D Media Material		Filtration	Collapse Pressure	
4C	4 ports A6 DIN 24340 / CETOP R35H	H03	Fiberglass	5µm	210 bar	
		H05	Fiberglass	7µm	210 bar	
		H10	Fiberglass	12µm	210 bar	
		H20	Fiberglass	21µm	210 bar	
5C	5 ports A10 DIN 24340 / CETOP R35H	E Indicator			Connection	
		00	No			
		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°C)			M20*1.5 Thread

Notes

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