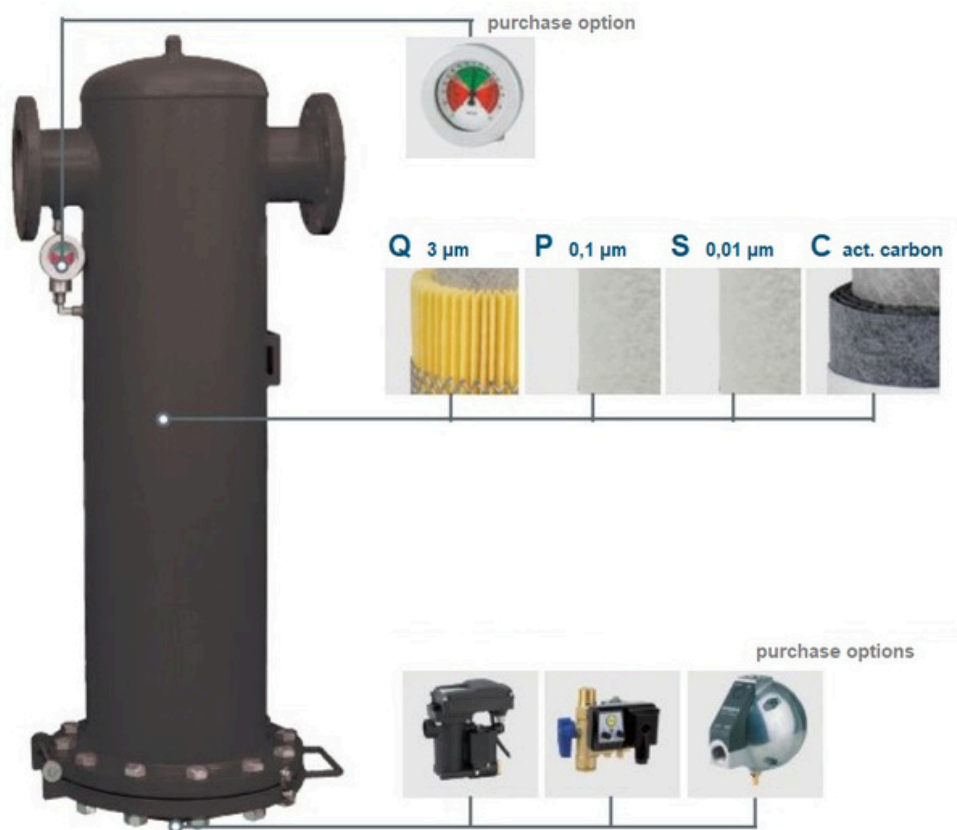


FP series carbon steel filters with flange connection

FP filters are designed for protection of the downstream compressed air system and equipment against defects and other failures. Due to their robust welded carbon steel construction, are used for installation in heavy industrial applications with high air flows. They ensure high efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air systems up to 16 bar. Required compressed air quality according to standard ISO 8573 can be achieved with 4 different grades of filter elements (Q, P, S, C). Optional external condensate drains should be used for efficient condensate draining from filter housing.



Characteristics

Operating pressure	16 bar
Volume flow rate	1 680 to 12 550 m ³ /h
Connections	DN80 to DN200
Operating temp. range	1.5 to 65 °C
Standard colour	RAL 5012

Applications

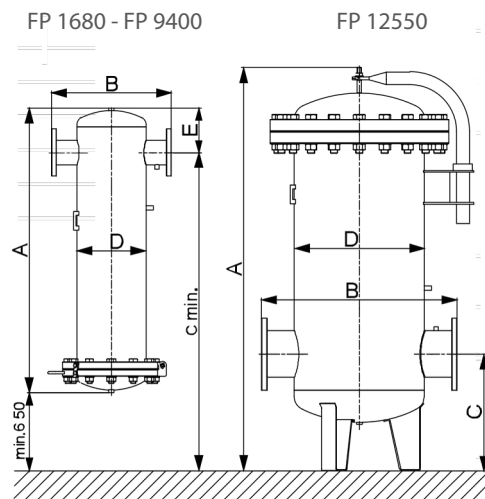
- general industrial applications
- automotive
- electronics
- food and beverage
- chemical
- petrochemical
- plastics
- paint

Type	Flow* m ³ /h	Connection	Max operating pressure bar	Dimensions					Quantity of Q,P,S or C filter elements in a housing**
				A mm	B mm	C mm	D mm	E mm	
FP 1680	1680	DN 80	16	1145	450	1640	219	157	1
FP 3150	3150	DN 100	16	1330	560	1780	324	208	2
FP 4700	4700	DN 125	16	1330	560	1780	324	206	3
FP 6300	6300	DN 150	16	1360	620	1780	368	241	4
FP 9400	9400	DN 150	16	1420	680	1810	405	261	6
FP 12550	12550	DN 200	16	1890	792	525	508	-	8

*Nominal flow at: 1bar abs. and 20°C at the compressor suction and compressed air pressure of 7 bar.

**In a housing there is one or more filter elements of 1680 m³/h each one.

Correction factors for FP filters flow for operating conditions other than nominal															
operating pressure [bar]															
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
0.38	0.50	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13	



Filter elements	Q prefilter 3µm	P microfilter 0.1 µm	S microfilter 0.01 µm	C activated carbon
Residual oil content	-	<0.1	<0.01	<0.005
Quality class – oils (ISO 8573-1)	-	2	1	1
Pressure drop – new element [mbar]	10	50	80	60
Filter media	acrylic fibres, cellulose	borosilicate micro fibres		activated carbon