

Description Filter for separating solid impurities, oil and water from compressed air and gases. Resistant to mineral and synthetic oil.

Filter element V efficiency 99.99 % based on 3 µm, < 0.5 mg/m³ residual oil press. drop 0.03 / 0.10 bar*

Filter element ZP efficiency 99.9999 % based on 1 µm, < 0.01 mg/m³ residual oil press. drop 0.06 / 0.15 bar*

Filter element XP efficiency 99.99999 % based on 0.01 µm, < 0.001 mg/m³ residual oil press. drop 0.12 / 0.28 bar*

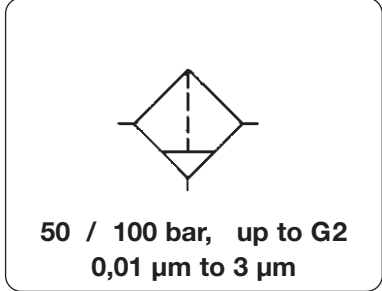
Filter element XP4 activ. carbon w. 0.01 mg/m³ oil at air inlet < 0.003 mg/m³ residual oil press. drop 0.03 bar*

Filter structure Pleated borosilicate fibre with very deep glass-fibre bed and large hollow space. Coalescing effect based on Brownian movement.

Service life Large filter volume makes for exceptionally long service life. The filter should be changed as from 0.35 bar differential pressure, or, at the latest, after 1 year.

Temperature range 1 °C to 80 °C / 180 °F for coalescing filter, 100 °C / 212 °F short-term, 1 °C to 40 °C / 100 °F for activated carbon filter

Materials Chromalized and powder-coated aluminium casting on all housings up to 50 bar and up to size 7 at 100/350 bar. Housing of powder-coated steel as from size 9 at 100/350 bar. Elastomer: NBR



Dimensions				Spare Filter element	Bowl volume	Flow rate	Connection thread	Order number
A	B	C	D	order number	l	m ³ /h	l/min	G

High pressure filter 50 bar									
3 µm particle size, 99,99 % efficiency, without manual drain									
G./50									
61	200	186	60	1030V	0.17	75	1250	G 1/4	G 2/50V
87	245	224	75	1050V	0.5	125	2080	G 1/4	G 3/50V
87	245	224	90	1070V	0.5	175	2920	G 3/8	G 5/50V
87	315	294	160	1140V	0.6	250	4170	G 1/2	G 7/50V
130	350	307	135	2010V	1.6	450	7500	G 3/4	G 9/50V
130	450	407	235	2020V	2.5	750	12500	G 1	G11/50V
130	525	482	335	2030V	3.0	1175	19600	G 1 1/2	G12/50V
130	755	712	525	2050V	4.5	1750	29100	G 1 1/2	G13/50V
164	735	687	520	3050V	6.0	2600	43300	G 2	G14/50V

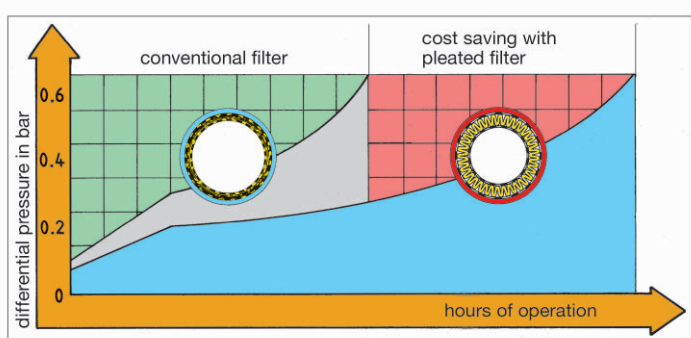
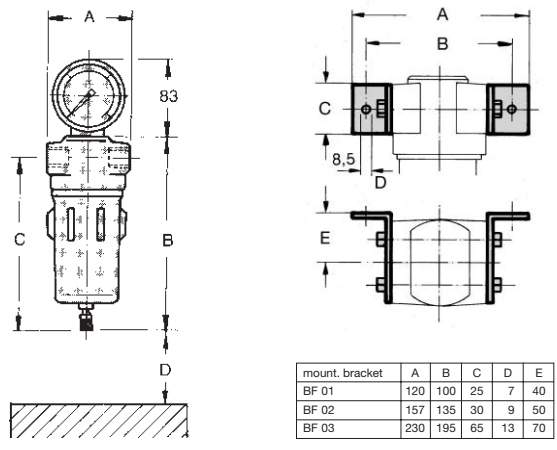


High pressure filter 100 bar									
3 µm particle size, 99,99 % efficiency, without manual drain									
G./100									
90	330	305	100	1050V	0.35	120	2000	G 1/4	G 3/100V
90	330	305	115	1070V	0.35	180	3000	G 3/8	G 5/100V
90	395	370	185	1140V	0.5	300	5000	G 1/2	G 7/100V
116	445	420	170	2010V	1.4	550	9100	G 3/4	G 9/100V
116	530	505	270	2020V	2.0	850	14100	G 1	G11/100V
125	640	607	335	2030V	2.9	1175	19600	G 1 1/2	G12/100V
125	900	867	560	2050V	4.3	1750	29100	G 1 1/2	G13/100V
155	925	880	565	3050V	6.9	2700	45000	G 2	G14/100V



Special options add the appropriate letter

1 µm	99.9999 % efficiency	0.5 mg/m ³ residual oil	ZP	G...ZP
0.01 µm	99.99999 % efficiency	0.01 mg/m ³ residual oil	XP	G...XP
0.01 µm	99.99999 % efficiency	0.001 mg/m ³ residual oil	XP4	G...XP4
activated carbon		0.003 mg/m ³ residual oil	A	G...A
manual drain	for 50 bar H	for 100 bar	H	G...H
diff. pressure gauge	without contact	not size G2	D	G...D
Viton elastomer	FPM		V	G...V
mounting bracket	BF01 for size G2	BF02 for G3-G7	X	G...X
mounting bracket		BF03 for G9-G13	X	G...X



* pressure drop dry / wet

For your information:	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm

Order example: G2/50V

High Pressure Filter for up to 350 bar

G250 / 350

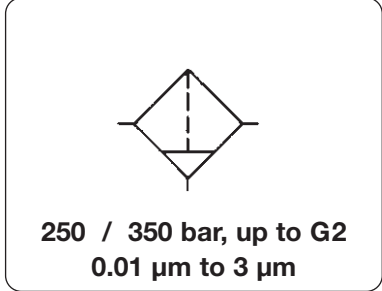
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Filter element ZP efficiency 99.9999 % based on 1 µm, < 0.5 mg/m³ residual oil press. drop 0.03 / 0.10 bar*
Filter element XP efficiency 99.99999 % based on 0.01 µm, < 0.01 mg/m³ residual oil press. drop 0.06 / 0.15 bar*
Filter element XP4 efficiency 99.99999 % based on 0.01 µm, < 0.001 mg/m³ residual oil press. drop 0.12 / 0.28 bar*
Filter element A activ. carbon w. 0.01 mg/m³ oil at air inlet < 0.003 mg/m³ residual oil press. drop 0.03 bar*
Filter structure Pleated borosilicate fibre with very deep glass-fibre bed and large hollow space. Coalescing effect based on Brownian movement.

Service life Large filter volume makes for exceptionally long service life. The filter should be changed as from 0.35 bar differential pressure, or, at the latest, after 1 year.

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A	B	C	D	order number	l	m ³ /h	l/min	G

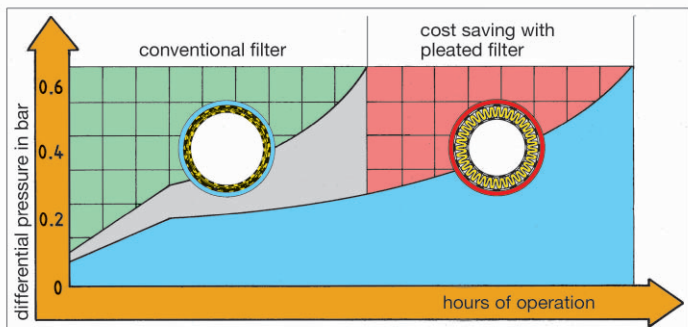
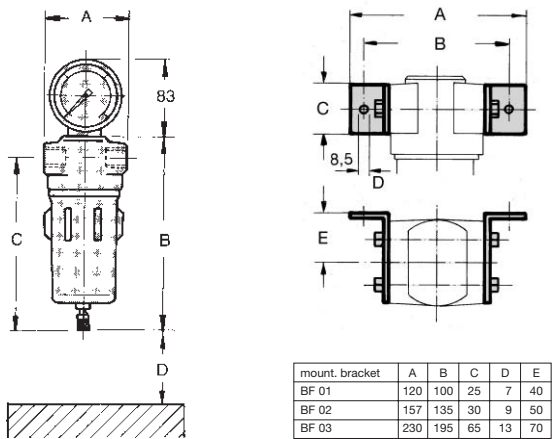
High pressure filter 250 bar									
3 µm particle size, 99,99 % efficiency, without manual drain									
G. /250									
90	330	305	100	1050V	0.35	175	2080	G 1/4	G 3/250V
90	330	305	115	1070V	0.35	220	2920	G 3/8	G 5/250V
90	395	370	185	1140V	0.5	400	4170	G 1/2	G 7/250V
116	445	420	170	2010V	1.4	900	7500	G 3/4	G 9/250V
116	530	505	270	2020V	1.9	1400	12500	G 1	G11/250V
125	640	607	335	2030V	4.2	1750	19600	G 1 1/2	G12/250V
125	900	867	560	2050V	4.2	2990	29100	G 1 1/2	G13/250V
155	925	880	565	3050V	6.8	4500	43300	G 2	G14/250V



High pressure filter 350 bar									
3 µm particle size, 99,99 % efficiency, without manual drain									
G. /350									
90	330	305	100	1050V	0.35	130	2000	G 1/4	G 3/350V
90	330	305	115	1070V	0.35	250	3000	G 3/8	G 5/350V
90	395	370	185	1140V	0.5	450	5000	G 1/2	G 7/350V
116	445	420	170	2010V	1.4	1020	9100	G 3/4	G 9/350V
116	530	505	270	2020V	1.9	1500	14100	G 1	G11/350V
125	640	607	335	2030V	4.2	1950	19600	G 1 1/2	G12/350V
125	900	867	560	2050V	4.2	3200	29100	G 1 1/2	G13/350V
155	925	880	565	3050V	6.8	5000	45000	G 2	G14/350V



Special options add the appropriate letter									
1 µm	99.9999 % efficiency	0.5 mg/m ³ residual oil	ZP	G...ZP					
0.01 µm	99.99999 % efficiency	0.01 mg/m ³ residual oil	XP	G...XP					
0.01 µm	99.99999 % efficiency	0.001 mg/m ³ residual oil	XP4	G...XP4					
activated carbon		0.003 mg/m ³ residual oil	A	G...A					
manual drain	for 250 bar or 350 bar		H	G...H					
diff. pressure gauge	without contact	not size G2	D	G...D					
Viton elastomer	FPM		V	G...V					
mounting bracket	BF01 for size G2	BF02 for G3-G7	X	G...X					
mounting bracket		BF03 for G9-G13	X	G...X					



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	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm

Order example:
G7/350V