

Description The filter separates oil, water and solid impurities from compressed air or non-corrosive gases. It is resistant to mineral and synthetic oils.

Filter element Fabric of borosilicate fibre A 901 with high-volume fiberglass bed. Coalescing effect based on Brownian motion. With stainless steel jacket and internal draining layer. An arrow indicates flow from inside to outside.

Filtration efficiency 99.99% based on 3 µm particle size, $\Delta p = 0.02/0.07$ bar*, see special options for further filters

Service life Large filter volume through folding makes for exceptionally long service life and high capacity for collection of solid particles with low differential pressure.

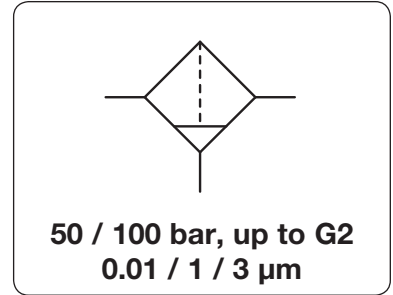
Filter change The filter must be changed as from 0.35 bar differential pressure or after one year at the latest.

Drainage manual drain as standard

Operating pressure max. 50 bar or 100 bar

Temperature range 1 °C to 80 °C / 34 °F to 176 °F at coalescing filter
1 °C to 40 °C / 34 °F to 104 °F at activated carbon filter

Material Body: chromated and powder-coated cast aluminium at all 50 bar devices and at 100 bar devices of sizes G¼ to G½, powder-coated steel at 100 bar devices of G¾ to G2
Elastomer: NBR/Buna-N



Dimensions			Bowl	Flow	Connection	Order	
A	B	C	Design	Capacity	rate *2	thread	number
mm	mm	mm	made of / with	l	m³/h	l/min	G

High pressure filter up to 50 bar								with manual drain, 99.99% bei 3 µm	G . / 50
61	200	186	aluminium/	0,17	75	1250	G¼	G 2/50V	
87	245	224	manual drain	0,50	125	2080	G¼	G 3/50V	
87	245	224		0,50	175	2920	G¾	G 5/50V	
87	315	294		0,60	250	4170	G½	G 7/50V	
130	350	307		1,60	450	7500	G¾	G 9/50V	
130	450	407		2,50	750	12500	G1	G11/50V	
130	525	482		3,00	1175	19600	G1½	G12/50V	
130	755	712		4,50	1750	29100	G1½	G13/50V	
164	735	687		6,00	2600	43300	G2	G14/50V	



High pressure filter up to 100 bar								with manual drain, 99.99% bei 3 µm	G . / 100
90	330	305	aluminium/	0,35	120	2000	G¼	G 3/100V	
90	330	305	manual drain	0,35	180	3000	G¾	G 5/100V	
90	395	370		0,50	300	5000	G½	G 7/100V	
116	445	420	steel/	1,40	550	9100	G¾	G 9/100V	
116	530	505	manual drain	2,00	850	14100	G1	G11/100V	
125	640	607		2,90	1175	19600	G1½	G12/100V	
125	900	867		4,30	1750	29100	G1½	G13/100V	



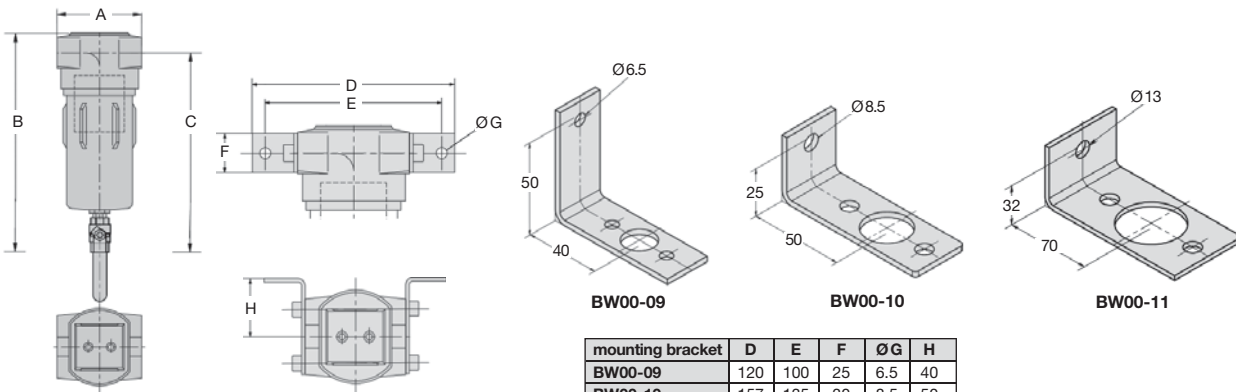
Special options, add the appropriate letter

	Filtration efficiency	Residual oil content	Δp^{*1}	
1 µm filter element	99.99999%,	< 0.5 mg/m³,	0.03/0.10 bar	G. / ... ZP
0.01 µm filter element	99.99999%,	< 0.01 mg/m³,	0.06/0.15 bar	G. / ... XP
0.01 µm filter element	99.99999%,	< 0.001 mg/m³,	0.12/0.28 bar	G. / ... XP4
activated carbon		< 0.003 mg/m³	0.03 bar	G. / ... A
differential press. gauge			not for G2/50 V	G. / ... D
without manual drain				G. / ... H

Accessories

mounting bracket set made of steel

for part no. G2 **BW00-09**
for part no. G3 to G7 **BW00-10**
for part no. G9 to G13 **BW00-11**



mounting bracket	D	E	F	ØG	H
BW00-09	120	100	25	6.5	40
BW00-10	157	135	30	8.5	50
BW00-11	230	195	65	13	70

*1 pressure drop, dry/wetted

*2 at max. operating pressure

Spare parts: see separate spare parts list

PDF CAD
www.aircom.net



Order example:
G2/50V