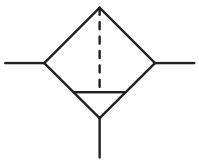
Micro Pre- and Universal Coalescing Filter G . V / G . Z

	Pre-filter V	Universal filter Z
Description	Coarse and dust filter for removing water and solid impurities.	Filters out oil, water and solid impurities. Resistant to mineral and synthetic oils.
Filter element	Cellulose-acetate fabric, folded in star shape. Inner and outer supports of stainless steel. Flow from outside to inside.	Borosilicate fibre A 901 with SST jacket and internal draining layer. Extremely deep fiberglass bed and great void volume achieve coalescing effect.
Filtration efficiency	99.99% based on 3 µm particle size	99.9999% at 1 µm particle size, residual oil content ≤ 0.5 mg/m³
Service life	Star-form folding of the filter fabric increases surface area by five times, achieving long service life.	The filter is folded for exceptionally long service life. This enables many more solid particles to be collected than possible with low differential pressure.
Filter change	Cleaning required as from 0.35 bar differential pressure. Solid impurities removed by blowing from inside to outside. Oil to be cleaned in soap suds.	The filter must be changed as from 0.35 bar differential pressure or after one year at the latest.
Drainage	automatic drain as standard, optionally manual drain	
Material	Body/Bowl: chromated and powder-coated cast aluminium	
Temperature range	1 °C to 80 °C / 34 °F to 176 °F	
Operating pressure	max. 16 bar	



1 / 3 µm, up to G2
0.5 mg/m³ residual oil

Dimensions A mm	B mm	C mm	Bowl Design made of / with	Capacity l	Flow rate m³/h*1	l/min*1	Filter element µm	Connection thread G	Order number
Micro pre-filter 3 µm with automatic drain, 99.99% filtration efficiency, max. 16 bar									**G . V**
61	165	151	aluminium /	0.17	30	500	3	G¼	**G 2V**
87	215	194	automatic drain	0.50	48	800		G¼	**G 3V**
87	215	194		0.50	70	1160		G⅜	**G 5V**
87	285	264		0.65	100	1660		G½	**G 7V**
130	325	282		1.60	180	3000		G¾	**G 9V**
130	425	382		2.50	300	5000		G1	**G11V**
130	525	482		3.00	468	7800		G1½	**G12V**
130	725	682		4.50	696	11600		G1½	**G13V**
164	825	777		6.00	936	15600		G2	**G14V**
Micro universal filter 1 µm with automatic drain, 99.9999% filtration efficiency, residual oil content ≤ 0.5 mg/m³, max. 16 bar									**G . Z**
61	165	151	aluminium /	0.17	30	500	1	G¼	**G 2Z**
87	215	194	automatic drain	0.50	48	800		G¼	**G 3Z**
87	215	194		0.50	70	1160		G⅜	**G 5Z**
87	285	264		0.65	100	1660		G½	**G 7Z**
130	325	282		1.60	180	3000		G¾	**G 9Z**
130	425	382		2.50	300	5000		G1	**G11Z**
130	525	482		3.00	468	7800		G1½	**G12Z**
130	725	682		4.50	696	11600		G1½	**G13Z**
164	825	777		6.00	936	15600		G2	**G14Z**

G7V

G7VD
with differential pressure gauge

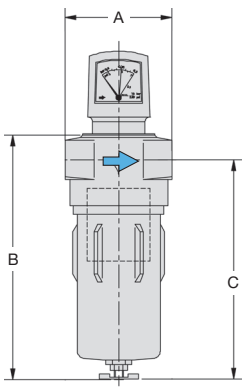
Special options, add the appropriate letter

differential pressure gauge	for part no. G3 to G14	G . . . **D**
manual drain		G . . . **H**
further sizes		

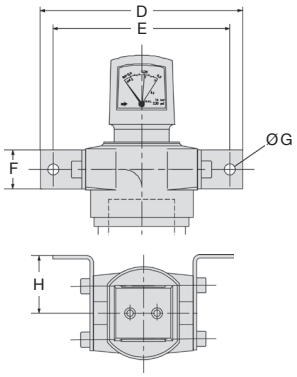
Accessories, enclosed

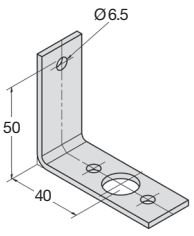
mounting bracket set made of steel

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

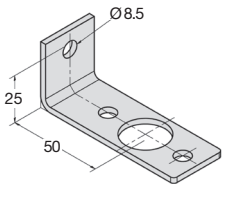


G . .

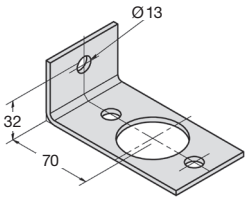




BW00-09



BW00-10



BW00-11

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

Flow rate conversion factor for other operating pressures

operating pressure [bar]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
factor	0.25	0.38	0.5	0.65	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

*1 At 7 bar operating pressure and open outlet. Pressure drop in new condition: **20 mbar** on pre-filter and **30 mbar** on universal filter. The maximum permissable flow rate is 10% higher than the indicated value.

Spare parts: see separate spare parts list

PDF CAD
www.aircom.net

Order example: G2V