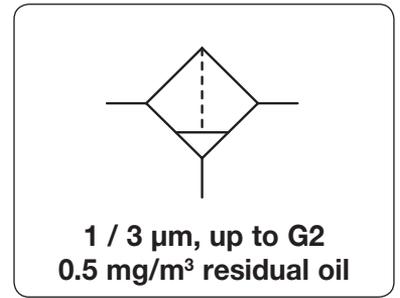


Micro Pre- and Universal Coalescing Filter

G . V / G . Z

Description	Pre-filter V Coarse and dust filter for removing water and solid impurities.	Universal filter Z 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/m ³
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



Dimensions			Bowl		Flow rate		Filter element	Connection	Order number
A	B	C	Design	Capacity	m ³ /h*1	l/min*1	µm	G	
mm	mm	mm	made of / with	l					

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		G¾	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



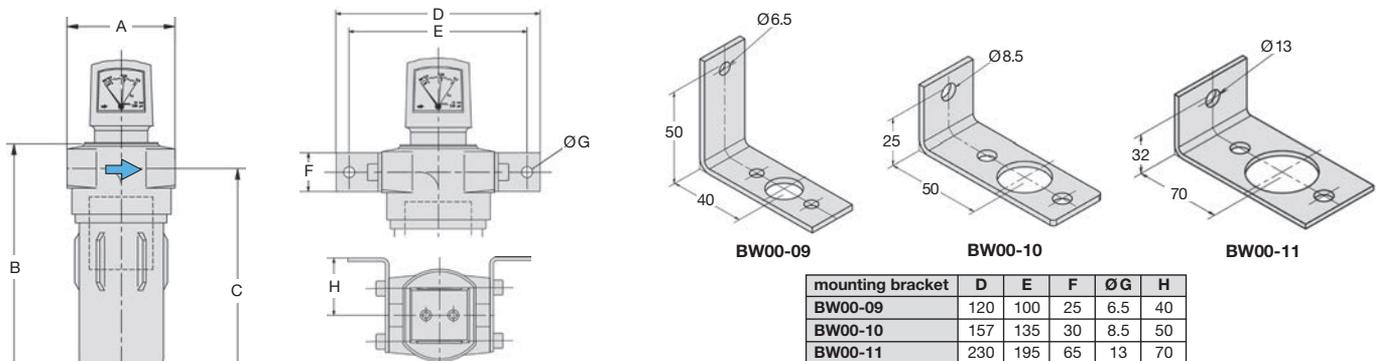
Micro universal filter 1 µm									
with automatic drain, 99.9999% filtration efficiency, residual oil content ≤ 0.5 mg/m ³ , max. 16 bar									
G . Z									
61	165	151	aluminium /	0.17	30	500	1	G¼	G 2Z
87	215	194	automatic drain	0.50	48	800		G¼	G 3Z
87	215	194		0.50	70	1160		G¾	G 5Z
87	285	264		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



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



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 permissible flow rate is 10% higher than the indicated value.



Order example:
G2V
China website: www.duray-control.cn