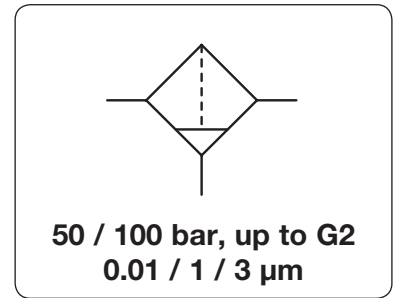


High Pressure Filter up to 100 bar

G51 / G101

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, Δp= 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	rate*2	thread	number
mm	mm	mm	made of / with	m³/h	G	
			l	l/min		

High pressure filter up to 50 bar								with manual drain, 99.99% at 3 µm	G. /51
61	200	186	aluminium /	0.17	75	1250	G¼	G 2/51V	
87	245	224	manual drain	0.50	125	2080	G¼	G 3/51V	
87	245	224		0.50	175	2920	G¾	G 5/51V	
87	315	294		0.60	250	4170	G½	G 7/51V	
130	350	307		1.60	450	7500	G¾	G 9/51V	
130	450	407		2.50	750	12500	G1	G11/51V	
130	525	482		3.00	1175	19600	G1½	G12/51V	
130	755	712		4.50	1750	29100	G1½	G13/51V	
164	735	687		6.00	2600	43300	G2	G14/51V	



High pressure filter up to 100 bar								with manual drain, 99.99% at 3 µm	G. /101
90	330	305	aluminium /	0.35	120	2000	G¼	G 3/101V	
90	330	305	manual drain	0.35	180	3000	G¾	G 5/101V	
90	395	370		0.50	300	5000	G½	G 7/101V	
116	445	420	steel /	1.40	550	9100	G¾	G 9/101V	
116	530	505	manual drain	2.00	850	14100	G1	G11/101V	
125	640	607		2.90	1175	19600	G1½	G12/101V	
125	900	867		4.30	1750	29100	G1½	G13/101V	
155	925	880		6.90	2700	45000	G2	G14/101V	

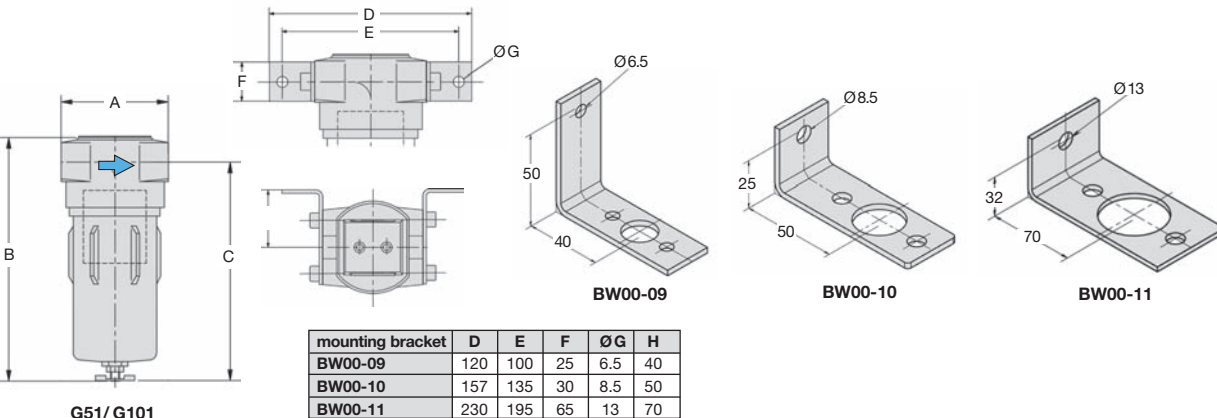


Special options, add the appropriate letter

	Filtration efficiency	Residual oil content	Δp*1	
1 µm filter element	99.9999 %	< 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
diff. pressure gauge			not for no. G2/51V	G. /... D
without manual drain				G. /... H

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



*2 at max. operating pressure



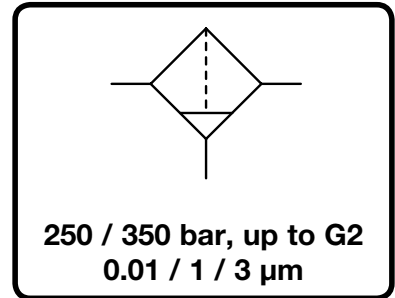
Order example:
G2/51V

China website: www.duray-control.cn

High Pressure Filter up to 350 bar

G251 / G351

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, Δp= 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
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 sizes G¼ to G½, powder-coated steel at sizes G¾ to G2 Elastomer: NBR/Buna-N
	Operating pressure max. 250 bar or 350 bar up to 100 °C / 212 °F short-term



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

High pressure filter up to 250 bar with manual drain, 99.99% at 3 µm **G. /251**

85	330	305	aluminium /	0.35	125	2 080	G¼	G 3/251V
85	330	305	manual drain	0.35	220	3 670	G¾	G 5/251V
85	395	370		0.50	400	6 670	G½	G 7/251V
116	445	420	steel /	1.40	900	15 000	G¾	G 9/251V
116	530	505	manual drain	1.90	1400	23 300	G1	G11/251V
125	640	607		4.20	1750	29 200	G1½	G12/251V
125	900	867		4.20	2900	48 300	G1½	G13/251V
125	925	880		6.80	4500	75 000	G2	G14/251V



High pressure filter up to 350 bar with manual drain, 99.99% at 3 µm **G. /351**

85	330	305	aluminium /	0.35	130	2 170	G¼	G 3/351V
85	330	305	manual drain	0.35	250	4 170	G¾	G 5/351V
85	395	370		0.50	450	7 500	G½	G 7/351V
116	445	420	steel /	1.40	1020	17 000	G¾	G 9/351V
116	530	505	manual drain	1.90	1500	25 000	G1	G11/351V
125	640	607		4.20	1950	32 500	G1½	G12/351V
125	900	867		4.20	3200	53 300	G1½	G13/351V
125	925	880		6.80	5000	83 300	G2	G14/351V

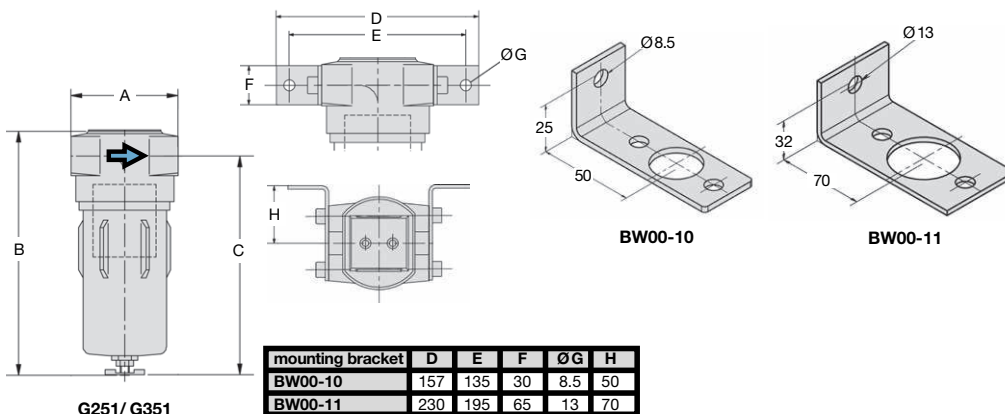


Special options, add the appropriate letter

	filtration efficiency	residual oil	Δp*1	
1 µm filter element	99.9999 %	< 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
diff. pressure gauge				G. / ... D
without manual drain				G. / ... H

Accessories, enclosed

mounting bracket set made of steel for part no. G3 to G7 **BW00-10**
for part no. G9 to G13 **BW00-11**



*1 pressure drop, dry/wetted



Order example:
G3/251V

China website: www.duray-control.cn

Filters

