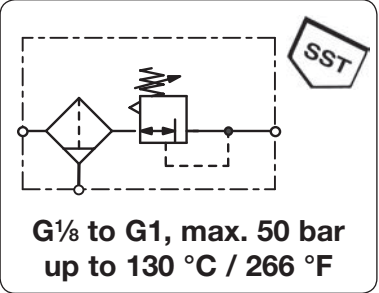


Filter Regulator Made of Stainless Steel Throughout, up to 50 bar **B3000**

Description	Filter pressure regulator with bowl without sight glass completely made of stainless steel. Application examples are the chemistry, petroleum processing as well as food industry and medical technology.		
Media	compressed air, gases or liquids		
Supply pressure	max. 50 bar (without drain)		
Adjustment	by hexagon socket crew with locknut		
Relieving function	relieving, optionally non-relieving		
Gauge port	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{2}$ at B3000-01, one screw plug supplied		
Filter element	50 μ m, optionally 5 μ m, made of stainless steel		
Bowl	stainless steel version without sight glass		
Drain	screw plug as standard, optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)		
Temperature range	-20 °C to 60 °C / - 4 °F to 140 °F for NBR/Buna-N, EPDM or FKM -20 °C to 130 °C / - 4 °F to 266 °F for high temperature version down to -40 °C / -40 °F for stainless steel diaphragm		
Material	Body: stainless steel 316L, material no. 1.4404 Bowl: stainless steel 316L, material no. 1.4404 Inner valve: stainless steel 316L, material no. 1.4404	O-rings: NBR/Buna, optionally EPDM or FKM Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel	



Dimensions			Bowl capacity l	Regulating system D = diaphragm P = piston	Flow rate m 3 /h*1 l/min*1	Connection thread G	Order number
A	B	C					

Filter pressure regulator							screw plug, relieving, w/o gauge, supply pressure 50 bar, 50 μ m filter element, pressure range 0.5...8 bar		B3000
40	188	116	0.04	D	36	600	G $\frac{1}{8}$		B3000-01
							G $\frac{1}{4}$		B3000-A2
60	253	130	0.17	D	84	1400	G $\frac{1}{4}$		B3000-02
							G $\frac{3}{8}$		B3000-03
70	260	132	0.28	D	230	3800	G $\frac{1}{2}$		B3000-04
							G $\frac{3}{4}$		B3000-A6
90	360	207	0.58	P	360	6000	G $\frac{3}{4}$		B3000-06
							G1		B3000-08



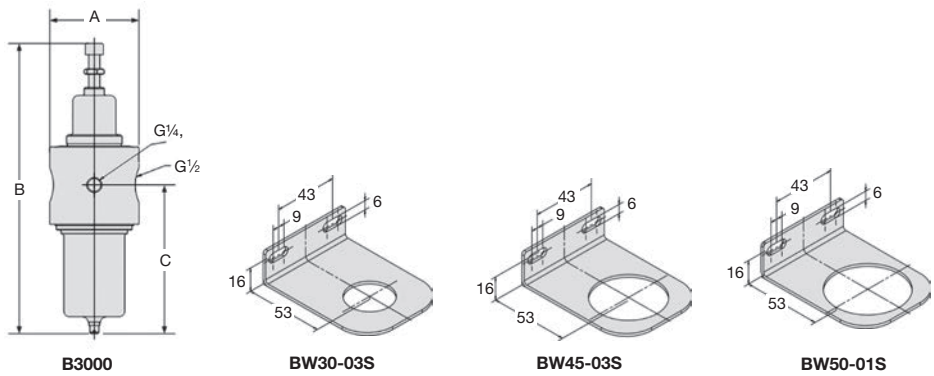
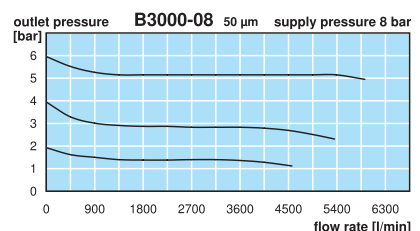
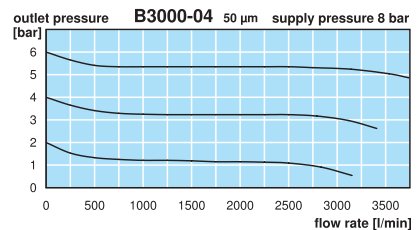
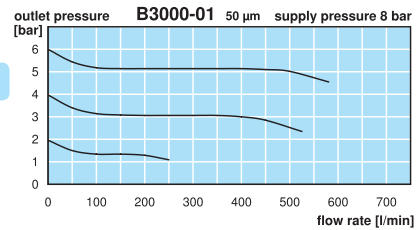
B3000-02, accessory: gauge

Special options, add the appropriate letter			
5 μ m filter element			for G $\frac{1}{4}$ (02) to G1
NPT connection thread			
0.2... 3 bar pressure range			
1 ...15 bar pressure range			
manual drain	max. 30 bar		
automatic drain	max. 16 bar		for G $\frac{1}{4}$ (02) to G1
non-relieving	without relieving function		
up to 130 °C / 266 °F	high temperature version		
EPDM elastomer			
FKM elastomer			
SST diaphragm	not for water		for G $\frac{1}{4}$ to G $\frac{3}{4}$
nitrogen N $_2$: 07	ammonia NH $_3$: 02	carbon dioxide CO $_2$:	B3000-..03
argon Ar: 05	helium He: 09	hydrogen H $_2$:	B3000-..11
methane CH $_4$: 13	oxygen O $_2$: 15	propane C $_3$ H $_8$:	B3000-..16
		nitrous oxide N $_2$ O:	B3000-..17
flange connection	see end of the chapter / flanges		B3000-..F.
FDA material	SST diaphragm, EPDM o-rings	for G $\frac{1}{4}$	B3000-..



B3000-04, accessory: gauge

Accessories, enclosed			
pressure gauge	\varnothing 40 mm, 0... *2 bar, G $\frac{1}{8}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	MS4001-..*2
	\varnothing 50 mm, 0... *2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ to G $\frac{3}{4}$ (A6)	MS5002-..*2
	\varnothing 63 mm, 0... *2 bar, G $\frac{1}{2}$	for G $\frac{3}{4}$ and G1	MS6302-..*2
mounting bracket		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	BW30-03S
mounting nut			M30x1,5S
mounting bracket		for G $\frac{1}{4}$ (02) to G $\frac{3}{8}$	BW45-03S
mounting nut			M45x1,5S
mounting bracket		for G $\frac{1}{2}$ and G1	BW50-01S
mounting nut			M50x1,5S



*1 at 8 bar supply pressure, 8 bar outlet pressure and 1 bar pressure drop *2 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar



Order example:
B3000-01
China website: www.duray-control.cn