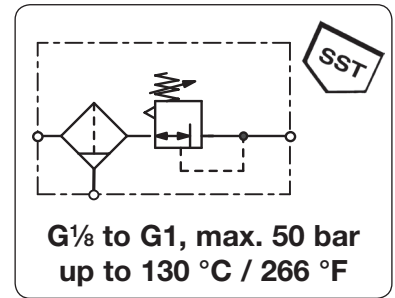


Filter Regulator Made of Stainless Steel Throughout, up to 50 bar B3000

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

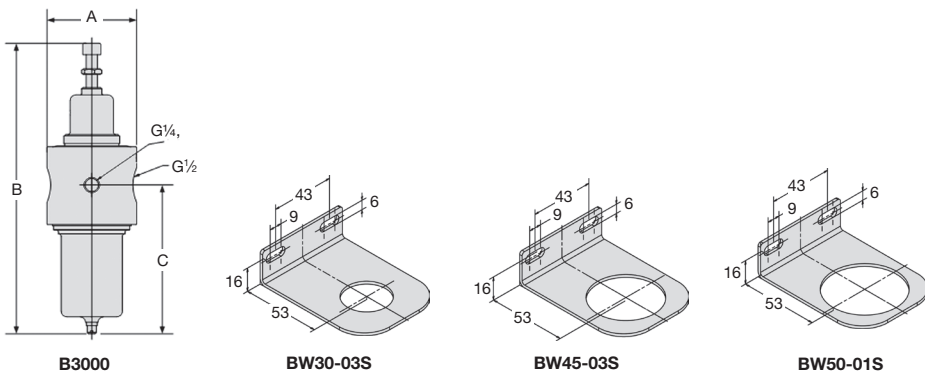
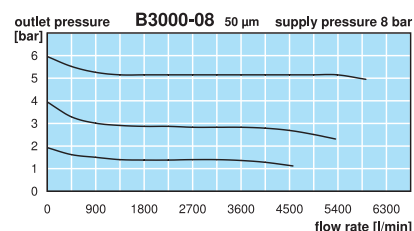
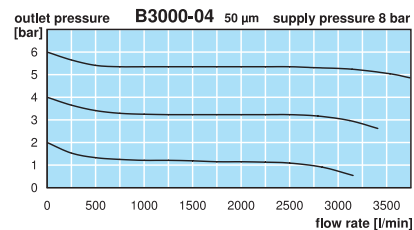
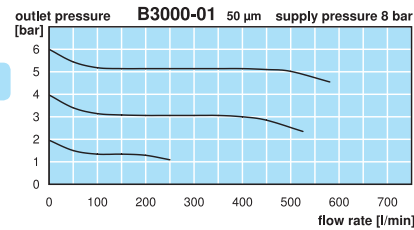
Filter pressure regulator							screw plug, relieving, w/o gauge, supply pressure 50 bar, 50 μ m filter element, pressure range 0.5...8 bar		B3000	
40	188	116	0.04	D	36	600	G $\frac{1}{8}$ G $\frac{1}{4}$	B3000-01 B3000-A2		
60	253	130	0.17	D	84	1400	G $\frac{1}{4}$ G $\frac{3}{8}$	B3000-02 B3000-03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



Special options, add the appropriate letter				
5 μ m filter element			for G $\frac{1}{4}$ (02) to G1	B3000- . . G
NPT connection thread				B3000- . . N
0.2... 3 bar pressure range				B3000- . . B
1 ...15 bar pressure range				B3000- . . D
manual drain	max. 30 bar			B3000- . . H
automatic drain	max. 16 bar		for G $\frac{1}{4}$ (02) to G1	B3000- . . R
non-relieving	without relieving function			B3000- . . K
up to 130 °C / 266 °F	high temperature version			B3000- . . X54
EPDM elastomer				B3000- . . E
FKM elastomer				B3000- . . V
SST diaphragm	not for water		for G $\frac{1}{4}$ to G $\frac{3}{4}$	B3000- . . S
nitrogen N ₂ : 07	ammonia NH ₃ : 02		for G $\frac{1}{4}$ to G $\frac{3}{4}$	B3000- . . 03
argon Ar: 05	helium He: 09		carbon dioxide CO ₂ :	B3000- . . 11
methane CH ₄ : 13	oxygen O ₂ : 15		hydrogen H ₂ :	B3000- . . 16
			propane C ₃ H ₈ :	B3000- . . 17
			nitrous oxide N ₂ O:	B3000- . . F
flange connection	see end of the chapter / flanges			B3000- . .
FDA material	SST diaphragm, EPDM o-rings		for G $\frac{1}{4}$	



Accessories, enclosed				
pressure gauge	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	MS4001-..*2
	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$		for G $\frac{1}{4}$ to G $\frac{3}{4}$ (A6)	MS5002-..*2
	Ø 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

Extensions: see chapter for FRL service units
Gauges: see chapter for measuring devices
Spare parts: see separate spare parts list

PDF CAD
www.aircom.net

**Order example:
B3000-01**

