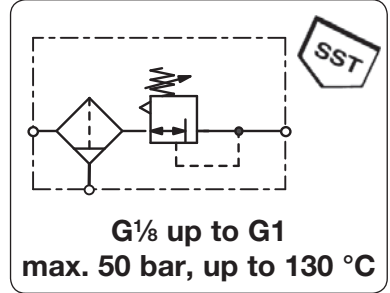


# Filter Regulator Made of Stainless Steel Throughout, up to 50 bar **B3000**

<b>Description</b>	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.	
<b>Media</b>	compressed air, gases or liquids	
<b>Supply pressure</b>	max. 50 bar (without drain)	
<b>Adjustment</b>	by hexagon socket crew with locknut	
<b>Relieving function</b>	relieving, optionally non-relieving	
<b>Gauge port</b>	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{2}$ at B3000-01, one screw plug supplied	
<b>Filter element</b>	50 $\mu$ m, optionally 5 $\mu$ m, made of stainless steel <b>Bowl</b> stainless steel version without sight glass	
<b>Drain</b>	screw plug as standard, manual drain (max. 30 bar) as standard for B3000-01H and B3000-A2H, optionally for G $\frac{1}{4}$ (02) to G1 or automatic drain (max. 16 bar)	
<b>Temperature range</b>	-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	
<b>Material</b>	Body: stainless steel 316L, material no. 1.4404	O-rings: FKM, optionally EPDM Diaphragm: NBR/Buna-N with PTFE coating,



Dimensions			Bowl capacity	Regulating system D = Diaphragm P = Piston	Flow rate		Connection thread	Order number
A	B	C			m <sup>3</sup> /h*1	l/min*1		

Filter pressure regulator								
40	150	80	0.03	D	36	600	G $\frac{1}{8}$	<b>B3000-01H</b>
							G $\frac{1}{4}$	<b>B3000-A2H</b>
64	240	125	0.17	D	84	1400	G $\frac{1}{4}$	<b>B3000-02</b>
							G $\frac{3}{8}$	<b>B3000-03</b>
79	250	130	0.28	D	230	3800	G $\frac{1}{2}$	<b>B3000-04</b>
							G $\frac{3}{4}$	<b>B3000-A6</b>
89	307	165	0.58	P	360	6000	G $\frac{3}{4}$	<b>B3000-06</b>
							G1	<b>B3000-08</b>



B3000-02, accessory: gauge

## Special options, add the appropriate letter or number

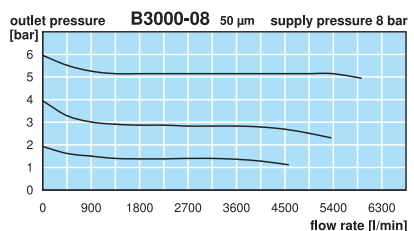
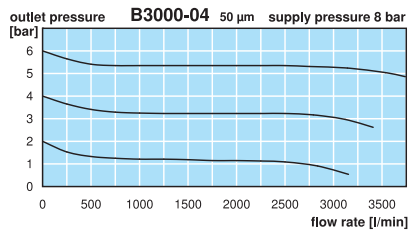
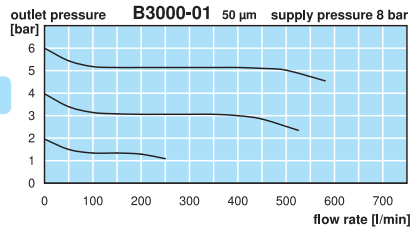
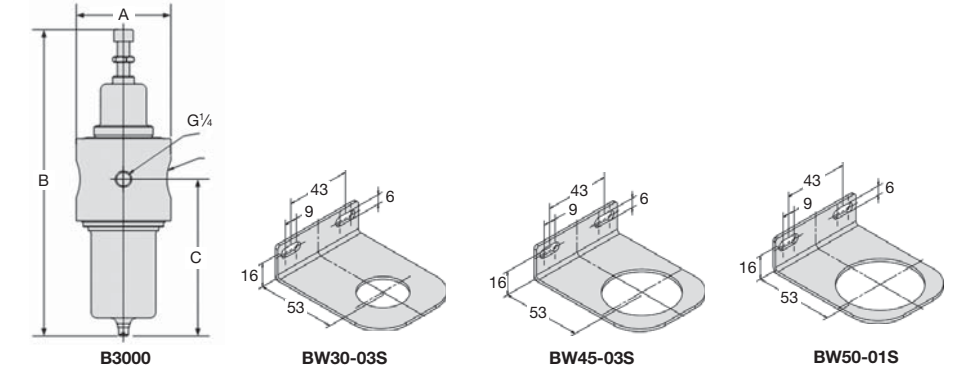
<b>5 <math>\mu</math>m filter element</b>	for G $\frac{1}{4}$ (02) to G $\frac{3}{4}$ (A6)	for G $\frac{3}{4}$ (06) and G1	B3000-..G
<b>NPT connection thread</b>			B3000-..N
<b>0.2... 3 bar pressure range</b>			B3000-..B
<b>1 ...15 bar pressure range</b>			B3000-..D
<b>manual drain</b>	max. 30 bar	for G $\frac{1}{4}$ (02) to G1	B3000-..H
<b>automatic drain</b>	max. 16 bar	for G $\frac{1}{4}$ (02) to G1	B3000-..R
<b>non-relieving</b>	without relieving function		B3000-..K
<b>up to -40 °C / -40 °F</b>	low temperature version	from G $\frac{1}{4}$ (02) on	B3000-..X51
<b>up to 130 °C / 266 °F</b>	high temperature version		B3000-..X54
<b>EPDM elastomer</b>			B3000-..E
<b>SST diaphragm</b>	not for water	for G $\frac{1}{4}$ (02) to G $\frac{3}{4}$ (A6)	B3000-..S
<b>nitrogen N<sub>2</sub>: 07</b>	<b>ammonia NH<sub>3</sub>: 02</b>	<b>carbon dioxide CO<sub>2</sub>:</b>	B3000-..03
<b>argon Ar: 05</b>	<b>helium He: 09</b>	<b>hydrogen H<sub>2</sub>:</b>	B3000-..11
<b>methane CH<sub>4</sub>: 13</b>	<b>oxygen O<sub>2</sub>: 15</b>	<b>propane C<sub>3</sub>H<sub>8</sub>:</b>	B3000-..16
		<b>nitrous oxide N<sub>2</sub>O:</b>	B3000-..17
<b>flange connection</b>	see end of the chapter / flanges		B3000-..F
<b>FDA material</b>	stainless steel diaphragm, o-rings EPDM	for G $\frac{1}{4}$	B3000-..



B3000-04, accessory: gauge

## Accessories, enclosed

<b>pressure gauge</b>	Ø 40 mm, 0... <sup>*2</sup> bar, G $\frac{1}{8}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	<b>MS4001-..<sup>*2</sup></b>
	Ø 50 mm, 0... <sup>*2</sup> bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ to G $\frac{3}{4}$ (A6)	<b>MS5002-..<sup>*2</sup></b>
	Ø 63 mm, 0... <sup>*2</sup> bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ and G1	<b>MS6302-..<sup>*2</sup></b>
<b>mounting bracket</b>		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	<b>BW30-03S</b>
<b>mounting nut</b>			<b>M30x1,5S</b>
<b>mounting bracket</b>		for G $\frac{1}{4}$ (02) to G $\frac{3}{8}$ (03)	<b>BW45-03S</b>
<b>mounting nut</b>			<b>M45x1,5S</b>
<b>mounting bracket</b>		for G $\frac{1}{2}$ (04) to G1	<b>BW50-01S</b>
<b>mounting nut</b>			<b>M50x1,5S</b>



\*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure \*2 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar \*3 from G $\frac{1}{4}$  (02) on

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:  
**B3000-01H**