

FILTER REGULATOR MADE OF STAINLESS STEEL THROUGHOUT, P1: MAX. 80 BAR B3000

Description Filter pressure regulator with bowl without sight glass, completely made of stainless steel. Diaphragm-operated, from size G $\frac{3}{8}$ on piston-operated.

Media compressed air, gases or liquids

Supply pressure max. 30 bar, 50 bar or 80 bar (with drain plug only)

Adjustment by adjusting screw, from B3000-12 on with T-handle, max. 50 bar for B3000-02 to -16, optionally 80 bar

Relieving function relieving, optionally non-relieving

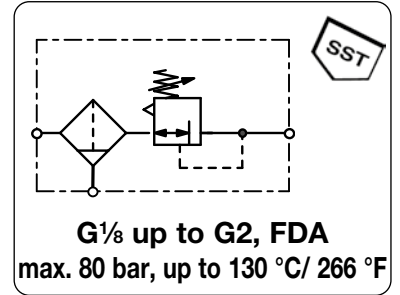
Gauge port G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{8}$ for B3000-01/-A2, one screw plug supplied

Filter element 50 μ m and 5 μ m, made of stainless steel **Bowl** stainless steel version without sight glass

Drain manual drain (max. 30 bar), screw plug for 50 bar and 80 bar version automatic drain (max. 16 bar) for G $\frac{1}{4}$ (02) up to G1

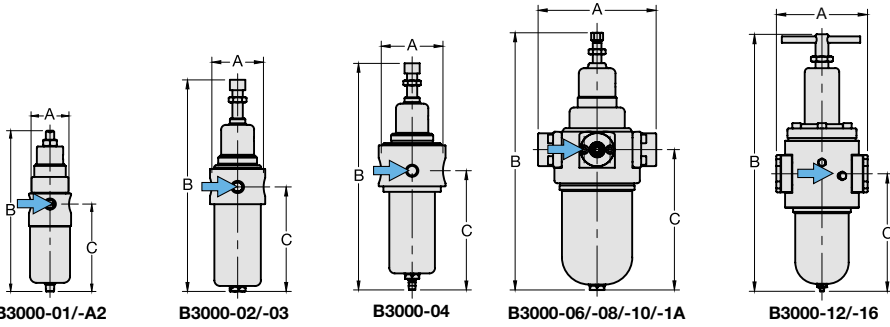
Temperature range -20 °C to 80 °C / -4 °F to 176 °F for NBR/Buna-N, EPDM or FKM
-20 °C to 130 °C / -4 °F to 266 °F for high temperature version
or low temperature version down to -40 °C / -40 °F

Werkstoffe Body / Bowl / Inner valve : stainless steel 316L, material-no. 1.4404
O-rings: FKM, optionally EPDM Diaphragm: NBR/Buna-N with PTFE-coating



Dimensions			Bowl capacity l	Flow rate l/min*1	Filter element μ m	Connection thread G	Pressure range bar	Order number
A	B	C						

Filter pressure regulator								with screw plug, relieving, w/o gauge, supply pressure max. 30 / 50 bar,	B3000
40	155	85	0.03	200	5	G $\frac{1}{8}$	0.8 ... 8	B3000-01GH	
							1.5 ... 15	B3000-01GDH	
							0.8 ... 8	B3000-01H	
40	155	85	0.03	200	5	G $\frac{1}{4}$	1.5 ... 15	B3000-01DH	
							0.8 ... 8	B3000-A2GH	
							1.5 ... 15	B3000-A2GDH	
40	155	85	0.03	280	50	G $\frac{1}{4}$	0.8 ... 8	B3000-A2H	
							1.5 ... 15	B3000-A2DH	
							0.8 ... 8	B3000-02G	
64	246	124	0.14	600	5	G $\frac{1}{4}$	1.5 ... 15	B3000-02GD	
							0.8 ... 8	B3000-02	
							1.5 ... 15	B3000-02D	
64	246	124	0.14	600	5	G $\frac{3}{8}$	0.8 ... 8	B3000-03G	
							1.5 ... 15	B3000-03GD	
							0.8 ... 8	B3000-03	
64	246	124	0.14	800	50	G $\frac{3}{8}$	1.5 ... 15	B3000-03D	
							0.8 ... 8	B3000-04G	
							1.5 ... 15	B3000-04GD	
79	255	128	0.2	2200	5	G $\frac{1}{2}$	0.8 ... 8	B3000-04	
							1.5 ... 15	B3000-04D	
							0.8 ... 8	B3000-08G	
137	304	168	0.5	4500	5	G1	1.5 ... 15	B3000-08GD	
							0.8 ... 8	B3000-06	
							1.5 ... 15	B3000-08D	
241	304	168	0.5	4500	5	G1 $\frac{1}{2}$	0.8 ... 8	B3000-08D	
							1.5 ... 15	B3000-1AG	
							0.8 ... 8	B3000-1AGD	
241	304	168	0.5	6000	50	B3000-10 for G1 $\frac{1}{4}$	1.5 ... 15	B3000-1A	
							0.8 ... 8	B3000-1AD	
							1.5 ... 15	B3000-12G	
171	482	213	1.0	15500	5	G1 $\frac{1}{2}$	0.8 ... 8	B3000-12GD	
							1.5 ... 15	B3000-12	
							0.8 ... 8	B3000-12D	
171	482	213	1.0	20000	50	G2	1.5 ... 15	B3000-12D	
							0.8 ... 8	B3000-16G	
							1.5 ... 15	B3000-16GD	
171	482	213	1.0	20000	50	G2	0.8 ... 8	B3000-16	
							1.5 ... 15	B3000-16D	
							0.8 ... 8	B3000-16D	



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure

PDF CAD
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Order example:
B3000-01GH

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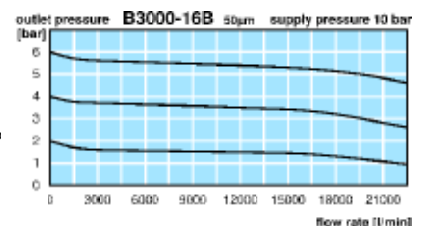
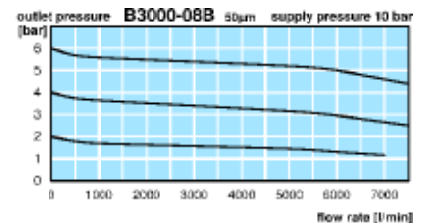
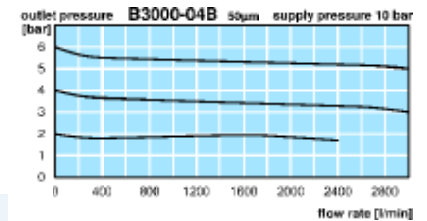
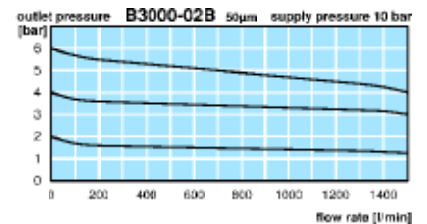
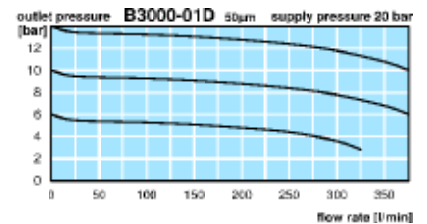
Description	Filter pressure regulator with bowl without sight glass, completely made of stainless steel. Diaphragm-operated, from size G $\frac{1}{4}$ on piston-operated.
Media	compressed air, gases or liquids
Supply pressure	max. 30 bar, 50 bar or 80 bar (with drain plug only)
Adjustment	by adjusting screw, from B3000-12 on with T-handle, max. 50 bar for B3000-02 to -16, optionally 80 bar
Relieving function	relieving, optionally non-relieving
Gauge port	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{8}$ for B3000-01/-A2, one screw plug supplied
Filter element	50 μ m and 5 μ m, made of stainless steel Bowl stainless steel version without sight glass
Drain	manual drain (max. 30 bar), screw plug for 50 bar and 80 bar version automatic drain (max. 16 bar) for G $\frac{1}{4}$ (02) up to G1
Temperature range	-20 °C to 80 °C / -4 °F to 176 °F for NBR/Buna-N, EPDM or FKM -20 °C to 130 °C / -4 °F to 266 °F for high temperature version or low temperature version down to -40 °C / -40 °F
Werkstoffe	Body / Bowl / Inner valve : stainless steel 316L, material-no. 1.4404 O-rings: FKM, optionally EPDM Diaphragm: NBR/Buna-N with PTFE-coating

G $\frac{1}{8}$ up to G2, FDA
max. 80 bar, up to 130 °C/ 266 °F

Dimensions			Bowl capacity	Flow rate	Filter element	Connection thread	Pressure range	Order number
A	B	C	l	l/min*1	μ m	G	bar	
mm	mm	mm						

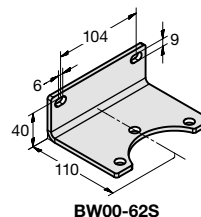
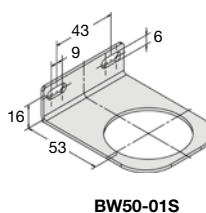
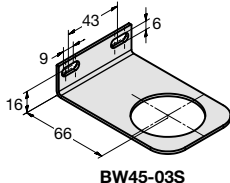
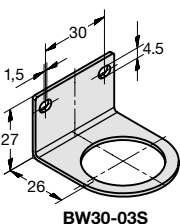
Special options, add the appropriate letter

NPT	connection thread	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	B3000-... N
NPT	connection thread	for G $\frac{1}{4}$ (02) to G2	B3000-... N
02 ... 3 bar regulating range		for G $\frac{1}{8}$ to G1 $\frac{1}{2}$ (1A)	B3000-... B
manual drain max. 30 bar		for G $\frac{1}{4}$ (02) to G2	B3000-... H
automatic drain	max. 16 bar	for G $\frac{1}{4}$ (02) to G2	B3000-... R
non-relieving	without relieving function		B3000-... K
P1: max. 80 bar		for G $\frac{1}{4}$ (02) to G1 $\frac{1}{2}$ (1A)	B3000-... X48
down to -40 °C/ -40°F	low temperature version	from G $\frac{1}{4}$ (02) on	B3000-... X51
up to 130 °C/ 266 °F	high temperature version		B3000-... X54
EPDM-o-ring			B3000-... E
EPDM-o-ring	FDA-Zulassung		B3000-... TD
SST diaphragm	not suitable for water	for G $\frac{1}{4}$ (02) to G $\frac{1}{2}$	B3000-... S
ammonia *3 NH ₃			B3000-... 02
carbon dioxide CO ₂			B3000-... 03
argon Ar			B3000-... 05
nitrogen N ₂			B3000-... 07
helium He			B3000-... 09
hydrogen H ₂			B3000-... 11
Methan CH ₄			B3000-... 13
natural gas *3			B3000-... 14
oxygen O ₂			B3000-... 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.



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 $\frac{1}{2}$	MS5002-..*2
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ to G2	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), G $\frac{3}{8}$ u. G $\frac{1}{2}$ to G1 $\frac{1}{2}$ (1A)	BW45-03S
mounting nut			M45x1,5S
mounting bracket		for G $\frac{1}{2}$	BW50-01S
mounting nut			M50x1,5S
mounting bracket		for G1 $\frac{1}{2}$ (12) and G2	BW00-62S



*2 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar

*3 without DVGW-approval

