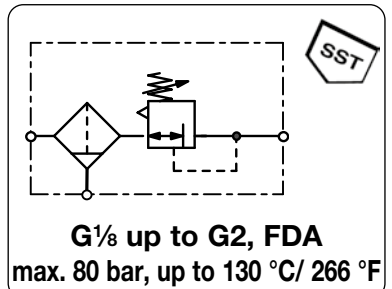


FILTER REGULATOR MADE OF STAINLESS STEEL THROUGHOUT, P1: MAX. 80 BAR B3000

Description	Filter pressure regulator with bowl without sight glass, completely made of stainless steel. Diaphragm-operated, from size G $\frac{1}{4}$ on piston-operated.
Media	compressed air, gases or liquids
Supply pressure	max. 16 bar, 50 bar or 80 bar (only with locking screw)
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	Flow rate	Filter element	Connection thread	Pressure range	Order number
A	B	C	l	l/min*1	μ m	G	bar	
mm	mm	mm						

Filter pressure regulator					with screw plug, relieving, w/o gauge, supply pressure max. 30 / 50 bar			B3000
40	147	83	0,03	200	5	G $\frac{1}{8}$	0.8 ... 8	B3000-01GH
							1.5 ... 15	B3000-01GDH
				280	50		0.8 ... 8	B3000-01H
							1.5 ... 15	B3000-01DH
40	147	83	0,03	200	5	G $\frac{1}{4}$	0.8 ... 8	B3000-A2GH
							1.5 ... 15	B3000-A2GDH
				280	50		0.8 ... 8	B3000-A2H
							1.5 ... 15	B3000-A2DH
64	249	128	0,14	600	5	G $\frac{1}{4}$	0.8 ... 8	B3000-02G
							1.5 ... 15	B3000-02GD
				800	50		0.8 ... 8	B3000-02
							1.5 ... 15	B3000-02D
109	246	125	0,2	2200	5	G $\frac{3}{8}$	0.8 ... 8	B3000-03G
							1.5 ... 15	B3000-03GD
							3.0 ... 30	B3000-03GE
							5.0 ... 50	B3000-03GF
				3000	50		0.8 ... 8	B3000-03
							1.5 ... 15	B3000-03D
							3.0 ... 30	B3000-03E
							5.0 ... 50	B3000-03F
109	246	125	0,2	2200	5	G $\frac{1}{2}$	0.8 ... 8	B3000-04G
							1.5 ... 15	B3000-04GD
							3.0 ... 30	B3000-04GE
							5.0 ... 50	B3000-04GF
							0.8 ... 8	B3000-04
							1.5 ... 15	B3000-04D
							3.0 ... 30	B3000-04E
							5.0 ... 50	B3000-04F



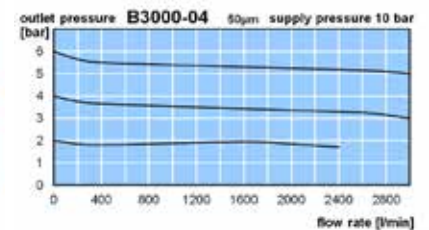
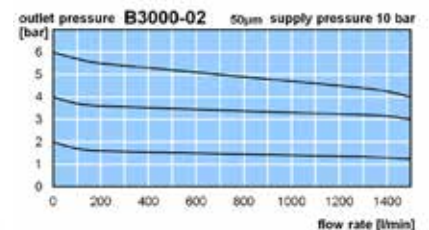
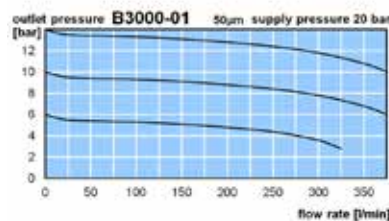
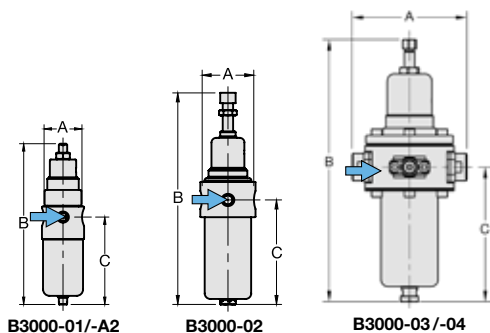
B3000-01/-A2



B3000-02



B3000-03/-04

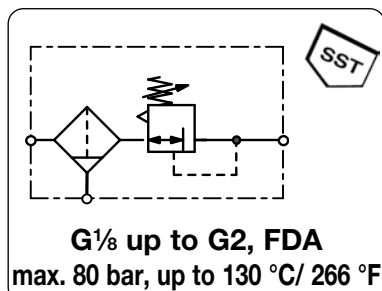


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure



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 $\frac{3}{4}$ on piston-operated.
Media	compressed air, gases or liquids
Supply pressure	max. 16 bar, 50 bar or 80 bar (only with locking screw)
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	Flow rate	Filter element	Connection thread	Pressure range	Order number
A	B	C	l	l/min*1	μ m	G	bar	
mm	mm	mm						

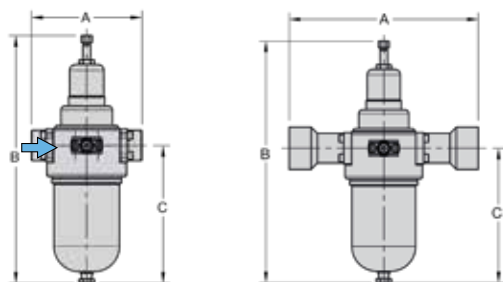
Filter pressure regulator					with screw plug, relieving, w/o gauge, supply pressure max. 30 / 50 bar			B3000
137	304	168	0,5	4500	5	G $\frac{3}{4}$	0.8 ... 8	B3000-06G
							1.5 ... 15	B3000-06GD
							3.0 ... 30	B3000-06GE
							5.0 ... 50	B3000-06GF
							0.8 ... 8	B3000-06
				6000	50	G1	1.5 ... 15	B3000-06D
							3.0 ... 30	B3000-06E
							5.0 ... 50	B3000-06F
							0.8 ... 8	B3000-08G
							1.5 ... 15	B3000-08GD
137	304	168	0,5	4500	5	G1	3.0 ... 30	B3000-08GE
							5.0 ... 50	B3000-08GF
							0.8 ... 8	B3000-08
							1.5 ... 15	B3000-08D
							3.0 ... 30	B3000-08E
				6000	50	G1 $\frac{1}{4}$	5.0 ... 50	B3000-08F
							0.8 ... 8	B3000-10G
							1.5 ... 15	B3000-10GD
							3.0 ... 30	B3000-10GE
							5.0 ... 50	B3000-10GF
137	304	168	0,5	4500	5	G1 $\frac{1}{4}$	0.8 ... 8	B3000-10
							1.5 ... 15	B3000-10D
							3.0 ... 30	B3000-10E
							5.0 ... 50	B3000-10F
				6000	50	G1 $\frac{1}{2}$	0.8 ... 8	B3000-1AG
							1.5 ... 15	B3000-1AGD
							3.0 ... 30	B3000-1AGE
							5.0 ... 50	B3000-1AGF
							0.8 ... 8	B3000-1A
248	304	168	0,5	4500	5	G1 $\frac{1}{2}$	1.5 ... 15	B3000-1AD
							3.0 ... 30	B3000-1AE
							5.0 ... 50	B3000-1AF



B3000-06/-08

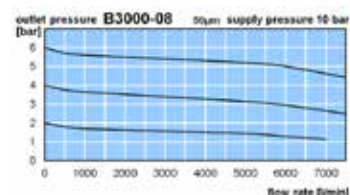


B3000-10/-1A



B3000-06/-08

B3000-10/-1A



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

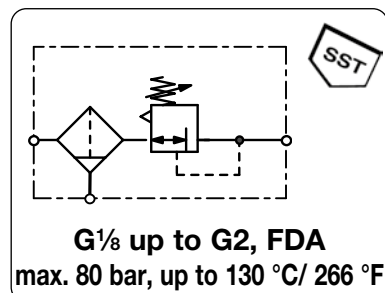
PDF CAD
www.aircom.net



Order example:
B3000-01GH

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 $\frac{1}{4}$ on piston-operated.
Media	compressed air, gases or liquids
Supply pressure	max. 16 bar, 50 bar or 80 bar (only with locking screw)
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
Temperature range	automatic drain (max. 16 bar) for G $\frac{1}{4}$ (02) up to G1 -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	Flow rate	Filter element	Connection thread	Pressure range	Order number
A	B	C						
mm	mm	mm	l	l/min*1	μ m	G	bar	

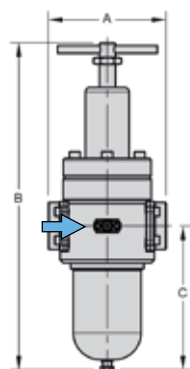
Filter pressure regulator				with screw plug, relieving, w/o gauge, supply pressure max. 30 / 50 bar				B3000
174	483	213	1,0	17500	5	G1 $\frac{1}{2}$	0.8 ... 8	B3000-12G
							1.5 ... 15	B3000-12GD
							3.0 ... 30	B3000-12GE
							5.0 ... 50	B3000-12GF
				23000	50		0.8 ... 8	B3000-12
							1.5 ... 15	B3000-12D
							3.0 ... 30	B3000-12E
							5.0 ... 50	B3000-12F
174	483	213	1,0	17500	5	G2	0.8 ... 8	B3000-16G
							1.5 ... 15	B3000-16GD
							3.0 ... 30	B3000-16GE
							5.0 ... 50	B3000-16GF
				23000	50		0.8 ... 8	B3000-16
							1.5 ... 15	B3000-16D
							3.0 ... 30	B3000-16E
							5.0 ... 50	B3000-16F



B3000-12/-16

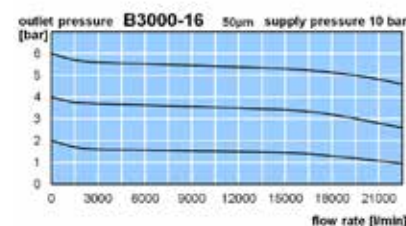


Accessories, see next page

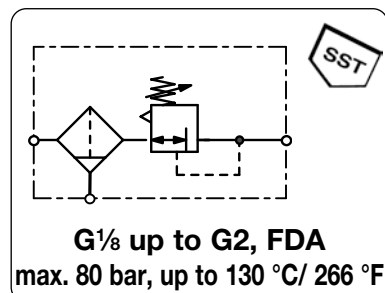


B3000-12/-16

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



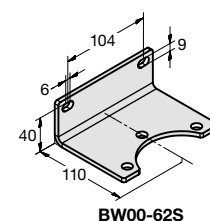
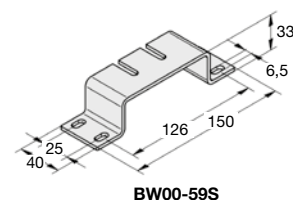
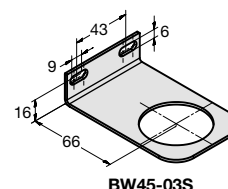
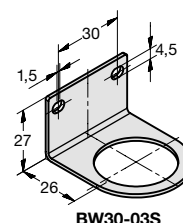
Description	Filter pressure regulator with bowl without sight glass, completely made of stainless steel. Diaphragm-operated, from size G $\frac{1}{8}$ on piston-operated.
Media	compressed air, gases or liquids
Supply pressure	max. 30 bar, 50 bar or 80 bar (only with locking screw)
Adjustment	by adjusting screw, from B3000-12 on with T-handle, max. 50 bar for B3000-02 to -16, optionally 80 bar relieving, optionally non-relieving
Relieving function	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{8}$ for B3000-01/-A2, one screw plug supplied
Gauge port	50 μ m and 5 μ m, made of stainless steel Bowl stainless steel version without sight glass
Filter element	manual drain (max. 30 bar), screw plug for 50 bar and 80 bar version
Drain	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	Flow	Filter	Connection	Pressure	Order
A B C	capacity	rate	element	thread	range	number
mm mm mm	l	l/min*1	μ m	G	bar	

Special options, add the appropriate letter

NPT	connection thread	for G $\frac{1}{4}$ (02) to G2	B3000-...N
0,1 ... 1,5 bar regulating range			B3000-...A
0,2 ... 3 bar regulating range			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
P ₁ : 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		B3000-...X51
up to 130 °C/ 266 °F	high temperature version		B3000-...X54
spring cage made of POM		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	R3000-...X57
EPDM-o-ring			B3000-...E
EPDM-o-ring	FDA approval		B3000-...TD
SST diaphragm	not suitable for water	for G $\frac{1}{4}$ (02) to G $\frac{1}{2}$	B3000-...S
ammonia NH ₃		P ₁ max. 15 bar	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 $\frac{1}{2}$	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			M30x1,5SS
mounting bracket		for G $\frac{1}{4}$ (02) to G1 $\frac{1}{2}$ (1A)	BW45-03S
mounting nut			M45x1,5S
mounting bracket		for G $\frac{3}{8}$ to G1 $\frac{1}{2}$ (1A)	BW00-59S
mounting bracket		for G1 $\frac{1}{2}$ (12) and G2	BW00-62S

*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, 60 = 0...60 bar

*3 without DVGW-approval

