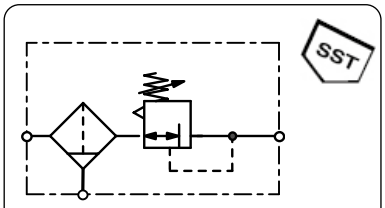
FILTER REGULATOR MADE OF STAINLESS STEEL THROUGHOUT, P1: MAX. 80 BAR B3000

Description	Filter pressure regulator with bowl without sight glass, completely made of stainless steel. Diaphragm-operated, from size G¾ 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	G¼ on both sides of the body, G⅛ for B3000-01/-A2, one screw plug supplied
Filter element	50 µm and 5 µm, 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 G¼ (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



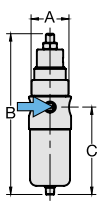
G⅛ up to G2, FDA
max. 80 bar, up to 130 °C/ 266 °F

Dimensions A mm	B mm	C mm	Bowl capacity l	Flow rate l/min*1	Filter element µm	Connection thread G	Pressure range bar	Order number
Filter pressure regulator					with screw plug, relieving, w/o gauge, supply pressure max. 30 / 50 bar			**B3000**
40	147	83	0,03	200	5	G⅛	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	G¼	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	G¼	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	G⅜	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	G½	0.8… 8	**B3000-04G**
							1.5… 15	**B3000-04GD**
							3.0… 30	**B3000-04GE**
							5.0… 50	**B3000-04GF**
				3000	50		0.8… 8	**B3000-04**
							1.5… 15	**B3000-04D**
							3.0… 30	**B3000-04E**
							5.0… 50	**B3000-04F**

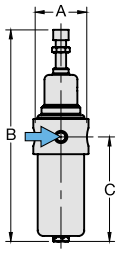
B3000-01/-A2

B3000-02

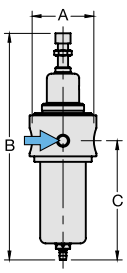
B3000-03/-04



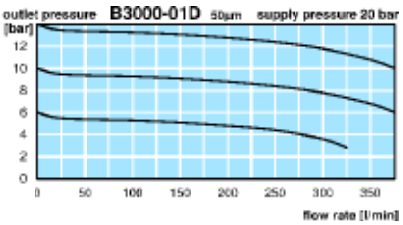
B3000-01/-A2

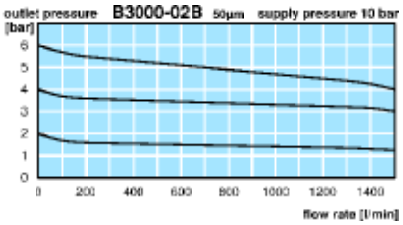


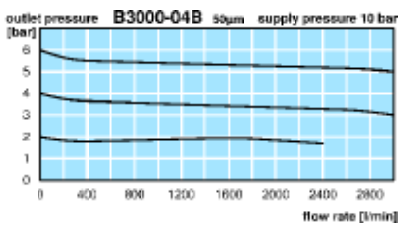
B3000-02



B3000-03/-04







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

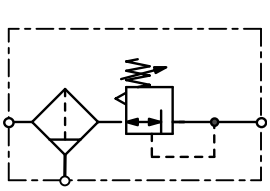
PDF CAD
www.aircom.net

Order example:
B3000-01GH

SST
SST
15

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 G¾ 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	G¼ on both sides of the body, G⅛ for B3000-01/-A2, one screw plug supplied
Filter element	50 µm and 5 µm, 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 G¼ (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

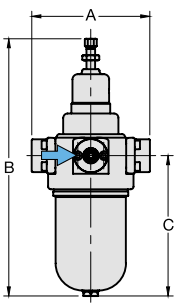


G⅛ up to G2, FDA
max. 80 bar, up to 130 °C/ 266 °F

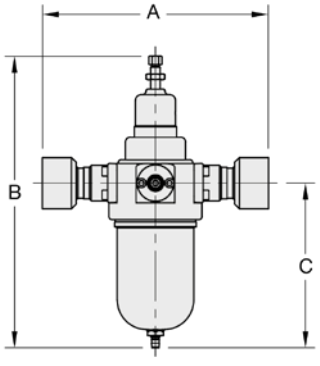
Filter pressure regulator

with screw plug, relieving, w/o gauge, supply pressure max. 30 / 50 bar

Dimensions A mm	B mm	C mm	Bowl capacity l	Flow rate l/min*1	Filter element µm	Connection thread G	Pressure range bar	Order number B3000
137	304	168	0,5	4500	5	G¾	0.8 … 8	B3000-06G
							1.5 … 15	B3000-06GD
							3.0 … 30	B3000-06GE
							5.0 … 50	B3000-06GF
				6000	50		0.8 … 8	B3000-06
							1.5 … 15	B3000-06D
							3.0 … 30	B3000-06E
							5.0 … 50	B3000-06F
137	304	168	0,5	4500	5	G1	0.8 … 8	B3000-08G
							1.5 … 15	B3000-08GD
							3.0 … 30	B3000-08GE
							5.0 … 50	B3000-08GF
				6000	50		0.8 … 8	B3000-08
							1.5 … 15	B3000-08D
							3.0 … 30	B3000-08E
							5.0 … 50	B3000-08F
137	304	168	0,5	4500	5	G1¼	0.8 … 8	B3000-10G
							1.5 … 15	B3000-10GD
							3.0 … 30	B3000-10GE
							5.0 … 50	B3000-10GF
				6000	50		0.8 … 8	B3000-10
							1.5 … 15	B3000-10D
							3.0 … 30	B3000-10E
							5.0 … 50	B3000-10F
248	304	168	0,5	4500	5	G1½	0.8 … 8	B3000-1AG
							1.5 … 15	B3000-1AGD
							3.0 … 30	B3000-1AGE
							5.0 … 50	B3000-1AGF
				6000	50		0.8 … 8	B3000-1A
							1.5 … 15	B3000-1AD
							3.0 … 30	B3000-1AE
							5.0 … 50	B3000-1AF



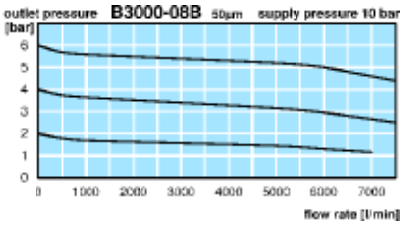
B3000-06/-08/-10/-1A



B3000-10/-1A

B3000-06/-08

B3000-10/-1A



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

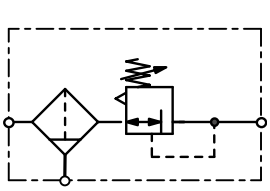
PDF CAD
www.aircom.net

Order example:
B3000-01GH

SST
15

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 G¾ 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	G¼ on both sides of the body, G⅛ for B3000-01/-A2, one screw plug supplied
Filter element	50 µm and 5 µm, 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 G¼ (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

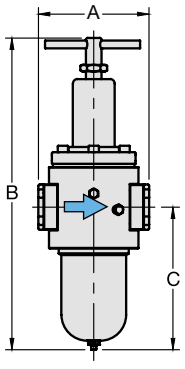


G⅛ up to G2, FDA
max. 80 bar, up to 130 °C/ 266 °F

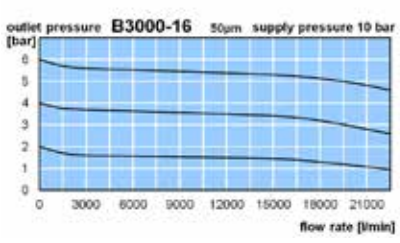
Dimensions A mm	B mm	C mm	Bowl capacity l	Flow rate l/min*1	Filter element µm	Connection thread G	Pressure range bar	Order number
Filter pressure regulator					with screw plug, relieving, w/o gauge, supply pressure max. 30 / 50 bar			**B3000**
171	476	219	1,0	15500	5	G1½	0.8 ... 8	**B3000-12G**
							1.5 ... 15	**B3000-12GD**
							3.0 ... 30	**B3000-12GE**
							5.0 ... 50	**B3000-12GF**
				20000	50		0.8 ... 8	**B3000-12**
							1.5 ... 15	**B3000-12D**
							3.0 ... 30	**B3000-12E**
							5.0 ... 50	**B3000-12F**
171	476	219	1,0	15500	5	G2	0.8 ... 8	**B3000-16G**
							1.5 ... 15	**B3000-16GD**
							3.0 ... 30	**B3000-16GE**
							5.0 ... 50	**B3000-16GF**
				20000	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



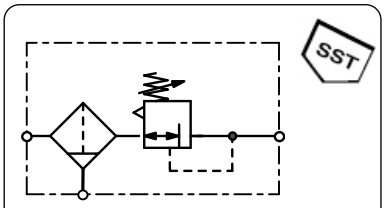
*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure

PDF CAD
www.aircom.net

Order example:
B3000-12G

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 G¾ 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 function	relieving, optionally non-relieving
Gauge port	G¼ on both sides of the body, G⅛ for B3000-01/-A2, one screw plug supplied
Filter element	50 µm and 5 µm, 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 G¼ (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

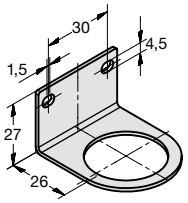


G⅛ up to G2, FDA
max. 80 bar, up to 130 °C/ 266 °F

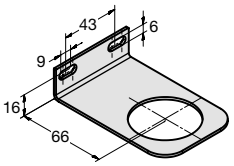
Dimensions A mm	B mm	C mm	Bowl capacity l	Flow rate l/min*1	Filter element µm	Connection thread G	Pressure range bar	Order number

Special options, add the appropriate letter

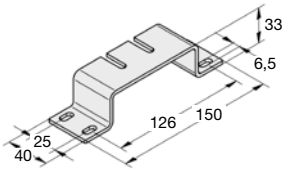
NPT	connection thread	for G¼ (02) to G2	B3000-. . . . **N**
0,1 ... 1,5 bar regulating range			B3000-. . . . **A**
0,2 ... 3 bar regulating range			B3000-. . . . **B**
manual drain	max. 30 bar	for G¼ (02) to G2	B3000-. . . . **H**
automatic drain	max. 16 bar	for G¼ (02) to G2	B3000-. . . . **R**
non-relieving	without relieving function		B3000-. . . . **K**
P_1: max. 80 bar		for G¼ (02) to G1½ (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 G⅛ and G¼ (A2)	R3000-. . . . **X57**
EPDM-o-ring			B3000-. . . . **E**
EPDM-o-ring	FDA approval		B3000-. . . . **TD**
SST diaphragm	not suitable for water	for G¼ (02) to G½	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_3H_8			B3000-. . . . **16**
nitrous oxide N_2O			B3000-. . . . **17**
flange connection	see end of the chapter / flanges		B3000-. . . . **F.**



BW30-03S



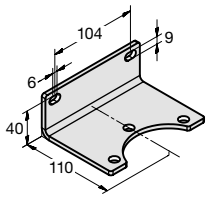
BW45-03S



BW00-59S

Accessories, enclosed

pressure gauge	Ø 40 mm, 0…*2 bar, G⅛	for G⅛ and G¼ (A2)	**MS4001-..*2**
	Ø 50 mm, 0…*2 bar, G¼	for G¼ to G½	**MS5002-..*2**
	Ø 63 mm, 0…*2 bar, G¼	for G¾ to G2	**MS6302-..*2**
mounting bracket		for G⅛ and G¼ (A2)	**BW30-03S**
mounting nut			**M30x1,5SS**
mounting bracket		for G¼ (02) to G1½ (1A)	**BW45-03S**
mounting nut			**M45x1,5S**
mounting bracket		for G⅜ to G1½ (1A)	**BW00-59S**
mounting bracket		for G1½ (12) and G2	**BW00-62S**



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

PDF CAD
www.aircom.net

Order example:
MS4001-04