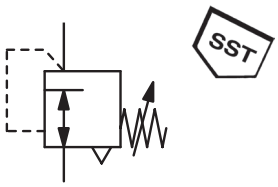
Pressure Regulator Made of Stainless Steel Throughout, up to 50 bar R3000

Description	Pressure regulator made of stainless steel throughout.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 50 bar
Adjustment	by adjusting screw at R3000-01 to -A6, with locknut by T-handle at R3000-06 to -16, with locknut
Relieving function	non-relieving, optionally relieving
Gauge port	G⅛ at R3000-01 and -A2, all others G¼ on both sides of the body, one screw plug supplied
Mounting position	any
Temperature range	0 °C to 60 °C / 32 °C to 140 °F for NBR/Buna-N, EPDM or FKM 0 °C to 130 °C / 32 °C to 266 °F for high temperature version for appropriately conditioned compressed air down to -20 °C / -4 °F
Material	Body/Inner valve: stainless steel 316L, material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel O-rings: FKM, optionally NBR/Buna-N or EPDM



G⅛ up to G2
gases or liquids

Dimensions A mm	B mm	C mm	Reg. system D: diaphragm P: piston	K_v value (m^3/h)	Flow rate m^3/h*1	l/min*1	P_1 max. bar	Connection thread G	Pressure range bar	Order number
SST pressure regulator supply pressure max. 30/50 bar, non-relieving, PTFE diaphragm and FKM o-ring										**R3000**
40	88	21	D	0.2	12	200	30	G⅛	0.1 … 1.5	R3000-01AT
									0.2 … 3.0	R3000-01BT
									0.5 … 8.0	R3000-01DT
									1.0 … 15	R3000-01ET
40	88	21	D	0.2	12	200	30	G¼	0.1 … 1.5	R3000-A2AT
									0.2 … 3.0	R3000-A2BT
									0.5 … 8.0	R3000-A2DT
									1.0 … 15	R3000-A2ET
65	149	38	D	0.5	30	500	30	G¼	0.1 … 1.5	R3000-02AT
									0.2 … 3.0	R3000-02BT
									0.5 … 8.0	R3000-02CT
							50		1.0 … 15	R3000-02DT
65	168	38	P	0.5	30	500	50		2.0 … 30	R3000-02ET
									3.0 … 50	R3000-02FT
65	149	38	D	0.5	30	500	30	G⅜	0.1 … 1.5	R3000-03AT
									0.2 … 3.0	R3000-03BT
									0.5 … 8.0	R3000-03CT
							50		1.0 … 15	R3000-03DT
65	168	38	P	0,5	30	500	50		2.0 … 30	R3000-03ET
									3.0 … 50	R3000-03FT
80	155	37	D	1.8	132	2200	30	G½	0.1 … 1.5	R3000-04AT
									0.2 … 3.0	R3000-04BT
									0.5 … 8.0	R3000-04CT
							50		1.0 … 15	R3000-04FT
80	155	37	P	1.8	132	2200	50		2.0 … 30	R3000-04GT
									3.0 … 50	R3000-04LT
80	155	37	D	1.8	132	2200	30	G¾	0.1 … 1.5	R3000-A6AT
									0.2 … 3.0	R3000-A6BT
									0.5 … 8.0	R3000-A6CT
							50		1.0 … 15	R3000-A6FT
80	155	37	P	1.8	132	2200	50		2.0 … 30	R3000-A6GT
									3.0 … 50	R3000-A6LT
125	285	66	D	5.5	390	6500	30	G¾	0.1 … 1.5	R3000-06AT
									0.2 … 3.0	R3000-06BT
									0.5 … 8.0	R3000-06CT
							50		1.0 … 15	R3000-06FT
125	285	66	P	5.5	390	6500	50		2.0 … 30	R3000-06GT
									3.0 … 50	R3000-06LT
125	285	66	D	5.5	390	6500	30	G1	0.1 … 1.5	R3000-08AT
									0.2 … 3.0	R3000-08BT
									0.5 … 8.0	R3000-08CT
							50		1.0 … 15	R3000-08FT
125	285	66	P	5.5	390	6500	50		2.0 … 30	R3000-08GT
									3.0 … 50	R3000-08LT

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

R3000-01DT, accessory: gauge

R3000-02CT, accessory: gauge

R3000-04CT, accessory: gauge

R3000-08FT, accessory: gauge

PDF CAD
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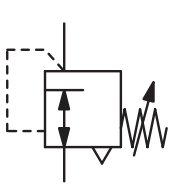
Order example:
R3000-01AT

Pressure Regulator Made of Stainless Steel Throughout, up to 50 bar R3000

Description	Pressure regulator made of stainless steel throughout.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 50 bar
Adjustment	by adjusting screw at R3000-01 to -A6, with locknut by T-handle at R3000-06 to -16, with locknut
Relieving function	non-relieving, optionally relieving
Gauge port	G⅛ at R3000-01 and -A2, all others G¼ on both sides of the body, one screw plug supplied
Mounting position	any
Temperature range	0 °C to 60 °C / 32 °C to 140 °F for NBR/Buna-N, EPDM or FKM 0 °C to 130 °C / 32 °C to 266 °F for high temperature version for appropriately conditioned compressed air down to -20 °C / -4 °F
Material	Body/Inner valve: stainless steel 316L, material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel O-rings: FKM, optionally NBR/Buna-N or EPDM



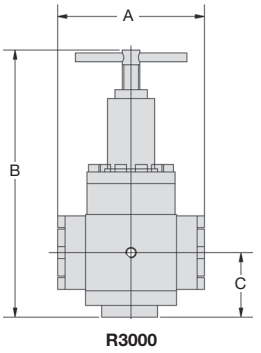
G⅛ up to G2
gases or liquids

Dimensions A mm	B mm	C mm	Reg. system D: diaphragm P: piston	K_v value (m^3/h)	Flow rate m^3/h*1	l/min*1	P_1 max. bar	Connection thread G	Pressure range bar	Order number
SST pressure regulator					supply pressure max. 30/50 bar, non-relieving, PTFE diaphragm and FKM o-ring					**R3000**
200	335	58	P	12.6	900	15000	50	G1½	0.2…3.0	**R3000-12BT**
									0.5…8.0	**R3000-12CT**
									1.0…15	**R3000-12ET**
									2.0…30	**R3000-12GT**
									3.0…50	**R3000-12LT**
200	335	58	P	12.6	900	15000	50	G2	0.2…3.0	**R3000-B6BT**
									0.5…8.0	**R3000-B6CT**
									1.0…15	**R3000-B6ET**
									2.0…30	**R3000-B6GT**
									3.0…50	**R3000-B6LT**
200	390	53	D	21	1500	25000	30	G2	0.1…1.5	**R3000-16AT**
									0.5…6.0	**R3000-16CT**
									1.0…15	**R3000-16DT**

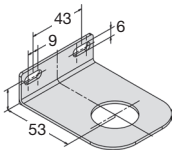
R3000-B6ET, accessory: gauge

Special options, add the appropriate letter

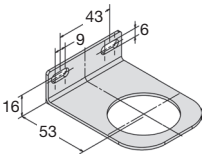
NPT			connection thread				R3000- . . . .**N**
relieving diaphragm						up to G1	R3000- . . . .**R**
relieving piston							R3000- . . . .**R**
up to 130 °C / 266 °F			high temperature version				R3000- **X54**
FKM o-ring			at piston regulator or PTFE diaphragm				R3000- . . .**T**
NBR/Buna-N o-ring							R3000- . . .**TB**
EPDM o-ring							R3000- . . .**TE**
SST diaphragm			FKM o-ring			for G¼ (02) to G1	R3000- . . .**S**
			NBR/Buna-N o-ring			for G¼ (02) to G1	R3000- . . .**SB**
			EPDM o-ring			for G¼ (02) to G1	R3000- . . .**SE**
			EPDM o-ring, FDA-approved			for G¼ (02)	R3000-02 . **SD**
nitrogen	N_2:	**07**	**ammonia**	NH_3:	**02**	**carbon dioxide**	CO_2: R3000- **03**
argon	Ar:	**05**	**helium**	He:	**09**	**hydrogen**	H_2: R3000- **11**
methane	CH_4:	**13**	**oxygen**	O_2:	**15**	**propane**	C_3H_6: R3000- **16**
nitrous oxide	N_2O:	**17**				**water**	H_2O: R3000- . . . .**W**
flange connection			see end of the chapter / flanges				R3000- . . . .**F.**



R3000



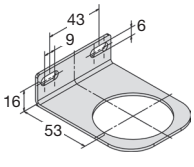
BW30-03S



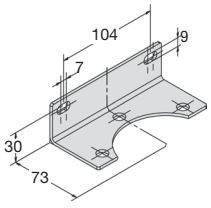
BW45-03S

Accessories, enclosed

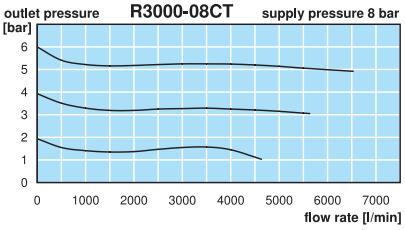
pressure gauge	Ø 40 mm, 0…*2 bar, G⅛	for G⅛ and G¼ (A2)	**MS4001-..*2**
	Ø 50 mm, 0…*2 bar, G¼	for G¼ (02) to G¾ (A6)	**MS5002-..*2**
	Ø 63 mm, 0…*2 bar, G¼	for G¾ (06) to G2	**MS6302-..*2**
mounting bracket		for G⅛ and G¼ (A2)	**BW30-03S**
mounting nut			**M30x1,5S**
mounting bracket		for G¼ (02) and G⅜	**BW45-03S**
mounting nut			**M45x1,5S**
mounting bracket		for G½ to G¾ (A6)	**BW50-01S**
mounting nut			**M50x1,5S**
mounting bracket		for G¾ (06) and G1	**BW00-27S**



BW50-01S



BW00-27S



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 **02** = 0…2.5 bar, **04** = 0…4 bar, **06** = 0…6 bar, **10** = 0…10 bar, **16** = 0…16 bar, **60** = 0…60 bar

Gauges: see chapter for measuring devices

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Order Example:
R3000-12BT