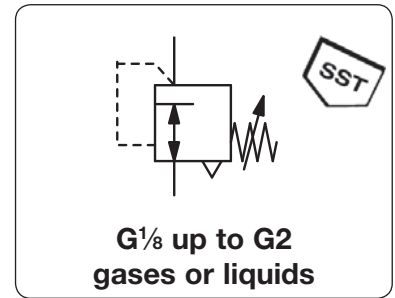


<b>Description</b>	Pressure regulator made of stainless steel throughout.
<b>Media</b>	compressed air, gases or liquids
<b>Supply pressure</b>	see chart, max. 50 bar
<b>Adjustment</b>	by adjusting screw at R3000-01 to -A6, with locknut by T-handle at R3000-06 to -16, with locknut
<b>Relieving function</b>	non-relieving, optionally relieving
<b>Gauge port</b>	G $\frac{1}{8}$ at R3000-01 and -A2, all others G $\frac{1}{4}$ on both sides of the body, one screw plug supplied
<b>Mounting position</b>	any
<b>Temperature range</b>	0 °C to 80 °C / 32 °C to 176 °F for FKM or EPDM 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 or low temperature version down to -40 °C / -40 °F
<b>Material</b>	Body/inner valve: stainless steel 316L, material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel O-rings: FKM, optionally EPDM



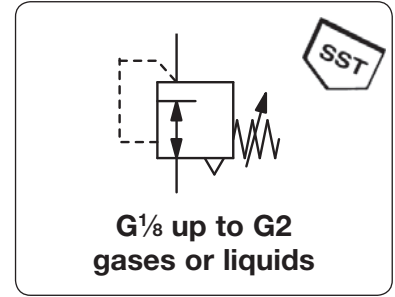
Dimensions			Regul. system	K <sub>v</sub> -	Flow	Supply	Connection	Pressure	Order
A	B	C	D: diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: piston	(m <sup>3</sup> /h)	m <sup>3</sup> /h*1	l/min*1	G	bar	

SST pressure regulator										supply pressure max. 30/50 bar, non-relieving, PTFE-diaphragm and FKM o-ring	R3000
40	88	22	D	0.2	12	200	30	G $\frac{1}{8}$	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	22	D	0.2	12	200	30	G $\frac{1}{4}$	0.1...1.5	R3000-A2AT	
									0.2...3.0	R3000-A2BT	
									0.5...8.0	R3000-A2DT	
									1.0...15	R3000-A2ET	
64	156	38	D	0.5	30	500	30	G $\frac{1}{4}$	0.1...1.5	R3000-02AT	
									0.2...3.0	R3000-02BT	
									0.5...8.0	R3000-02CT	
									1.0...15	R3000-02DT	
64	176	38	P	0.5	30	500	50		2.0...30	R3000-02ET	
									3.0...50	R3000-02FT	
64	156	38	D	0.5	30	500	30	G $\frac{3}{8}$	0.1...1.5	R3000-03AT	
									0.2...3.0	R3000-03BT	
									0.5...8.0	R3000-03CT	
									1.0...15	R3000-03DT	
64	176	38	P	0.5	30	500	50		2.0...30	R3000-03ET	
									3.0...50	R3000-03FT	
79	163	37	D	1.8	132	2200	30	G $\frac{1}{2}$	0.1...1.5	R3000-04AT	
									0.2...3.0	R3000-04BT	
									0.5...8.0	R3000-04CT	
									1.0...15	R3000-04FT	
79	189	37	P	1.8	132	2200	50		2.0...30	R3000-04GT	
									3.0...50	R3000-04LT	
79	163	37	D	1.8	132	2200	30	G $\frac{3}{4}$	0.1...1.5	R3000-A6AT	
									0.2...3.0	R3000-A6BT	
									0.5...8.0	R3000-A6CT	
									1.0...15	R3000-A6FT	
79	189	37	P	1.8	132	2200	50		2.0...30	R3000-A6GT	
									3.0...50	R3000-A6LT	
126	283	66	D	5.5	390	6500	30	G $\frac{3}{4}$	0.1...1.5	R3000-06AT	
									0.2...3.0	R3000-06BT	
									0.5...8.0	R3000-06CT	
									1.0...15	R3000-06FT	
126	305	66	P	5.5	390	6500	50		2.0...30	R3000-06GT	
									3.0...50	R3000-06LT	
126	283	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	
									1.0...15	R3000-08FT	
126	305	66	P	5.5	390	6500	50		2.0...30	R3000-08GT	
									3.0...50	R3000-08LT	



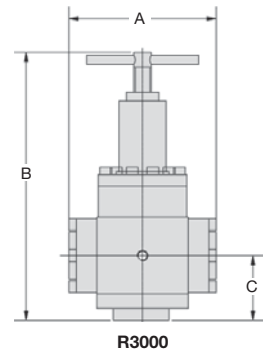
\*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

<b>Description</b>	Pressure regulator made of stainless steel throughout.
<b>Media</b>	compressed air, gases or liquids
<b>Supply pressure</b>	see chart, max. 50 bar
<b>Adjustment</b>	by adjusting screw at R3000-01 to -A6, with locknut by T-handle at R3000-06 to -16, with locknut
<b>Relieving function</b>	non-relieving, optionally relieving
<b>Gauge port</b>	G $\frac{1}{4}$ at R3000-01 and -A2, all others G $\frac{1}{4}$ on both sides of the body, one screw plug supplied
<b>Mounting position</b>	any
<b>Temperature range</b>	0 °C to 80 °C / 32 °C to 176 °F for FKM or EPDM 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 or low temperature version down to -40 °C / -40 °F
<b>Material</b>	Body/inner valve: stainless steel 316L, material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel O-rings: FKM, optionally EPDM



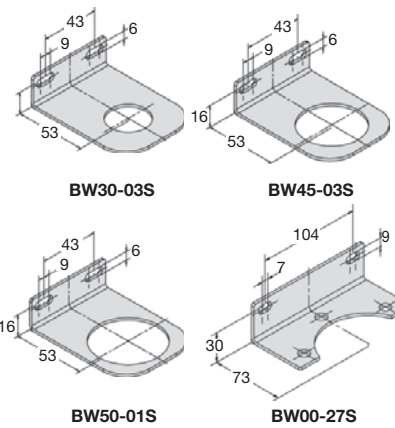
Dimensions			Regul. system	K <sub>v</sub> -	Flow	Supply Connection	Pressure	Order
A	B	C	D: diaphragm	value	rate	max.	range	number
mm	mm	mm	P: piston	(m <sup>3</sup> /h)	m <sup>3</sup> /h*1	l/min*1	bar	bar

SST pressure regulator			supply pressure max. 30/50 bar, non-relieving, PTFE-diaphragm and FKM o-ring					R3000		
121	385	128	K	12.6	900	15000	30	G1 $\frac{1}{2}$	0.2 ... 3.0 0.5 ... 8.0	R3000-12BT R3000-12CT R3000-12ET R3000-12GT R3000-12LT
171	400	128					50		1.0 ... 15 2.0 ... 30 3.0 ... 50	R3000-B6BT R3000-B6CT R3000-B6ET R3000-B6GT R3000-B6LT
171	385	128	K	12.6	900	15000	30	G2	0.2 ... 3.0 0.5 ... 8.0	R3000-16AT R3000-16CT R3000-16DT
171	400	128					50		1.0 ... 15 2.0 ... 30 3.0 ... 50	
171	410	128	M	21.0	1500	25000	30	G2	0.1 ... 1.5 0.5 ... 6.0 1.0 ... 15	



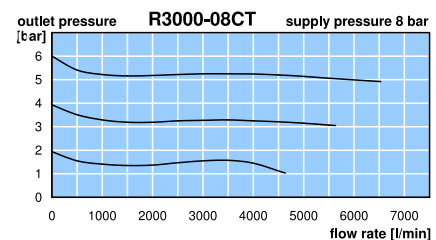
**Special options,** add the appropriate letter

<b>NPT connection thread</b>			R3000-...N
<b>relieving diaphragm</b>		up to G1	R3000-...R
<b>relieving piston</b>			R3000-...R
<b>up to -40 °C / -40 °F</b>	low temperature version	from G $\frac{1}{4}$ (02) on	R3000-...X51
<b>up to 130 °C / 266 °F</b>	high temperature version	from G $\frac{1}{4}$ (02) on	R3000-...X54
<b>FKM o-ring</b>	for piston or PTFE diaphragm		R3000-...T
<b>EPDM o-ring</b>			R3000-...TE
<b>SST diaphragm</b>	FKM o-ring	for G $\frac{1}{4}$ (02) to G1	R3000-...S
	EPDM o-ring	for G $\frac{1}{4}$ (02) to G1	R3000-...SE
	EPDM o-ring, FDA-approved	for G $\frac{1}{4}$ (02)	R3000-02...SD
<b>nitrogen N<sub>2</sub>: 07</b>	<b>ammonia NH<sub>3</sub>: 02</b>	<b>carbon dioxide CO<sub>2</sub>: 03</b>	R3000-...03
<b>argon Ar: 05</b>	<b>helium He: 09</b>	<b>hydrogen H<sub>2</sub>: 11</b>	R3000-...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>6</sub>: 16</b>	R3000-...16
<b>nitrous oxide N<sub>2</sub>O: 17</b>		<b>water H<sub>2</sub>O: 16</b>	R3000-...W
<b>flange connection</b>	see end of the chapter / flanges		R3000-...F.



**Accessories,** enclosed

<b>pressure gauge</b>	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$	for G $\frac{1}{4}$ and G $\frac{1}{4}$ (A2)	MS4001-...*2
	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ (02) to G $\frac{3}{4}$ (A6)	MS5002-...*2
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ (06) to G2	MS6302-...*2
<b>mounting bracket</b>		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	BW30-03S
<b>mounting nut</b>			M30x1,5S
<b>mounting bracket</b>		for G $\frac{1}{4}$ (02) and G $\frac{3}{8}$	BW45-03S
<b>mounting nut</b>			M45x1,5S
<b>mounting bracket</b>		for G $\frac{1}{2}$ to G $\frac{3}{4}$ (A6)	BW50-01S
<b>mounting nut</b>			M50x1,5S
<b>mounting bracket</b>		for G $\frac{3}{4}$ (06) and G1	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