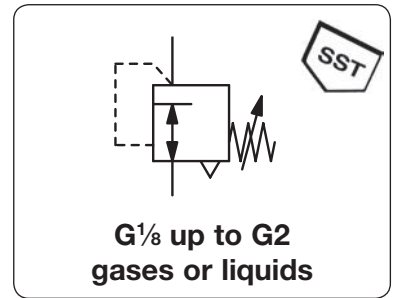


# Pressure Regulator Made of Stainless Steel Throughout, up to 50 bar

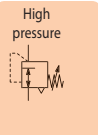
# R3000

<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 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
<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 NBR/Buna-N or EPDM



Dimensions			Reg. system	K <sub>v</sub>	Flow	P <sub>1</sub>	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	21	D	0.2	12	200	30	G $\frac{1}{8}$	0.1...1.5 0.2...3.0 0.5...8.0 1.0...15	R3000-01AT R3000-01BT R3000-01DT R3000-01ET
40	88	21	D	0.2	12	200	30	G $\frac{1}{4}$	0.1...1.5 0.2...3.0 0.5...8.0 1.0...15	R3000-A2AT R3000-A2BT R3000-A2DT R3000-A2ET
65	149	38	D	0.5	30	500	30	G $\frac{1}{4}$	0.1...1.5 0.2...3.0 0.5...8.0 1.0...15	R3000-02AT R3000-02BT R3000-02CT R3000-02DT R3000-02ET R3000-02FT
65	168	38	P	0.5	30	500	50		2.0...30 3.0...50	R3000-03AT R3000-03BT R3000-03CT R3000-03DT R3000-03ET R3000-03FT
65	149	38	D	0.5	30	500	30	G $\frac{3}{8}$	0.1...1.5 0.2...3.0 0.5...8.0 1.0...15	R3000-04AT R3000-04BT R3000-04CT R3000-04FT R3000-04GT R3000-04LT
65	168	38	P	0,5	30	500	50		2.0...30 3.0...50	R3000-06AT R3000-06BT R3000-06CT R3000-06FT R3000-06GT R3000-06LT
80	155	37	D	1.8	132	2200	30	G $\frac{1}{2}$	0.1...1.5 0.2...3.0 0.5...8.0 1.0...15	R3000-08AT R3000-08BT R3000-08CT R3000-08FT R3000-08GT R3000-08LT
80	155	37	P	1.8	132	2200	50		2.0...30 3.0...50	R3000-08AT R3000-08BT R3000-08CT R3000-08FT R3000-08GT R3000-08LT
80	155	37	D	1.8	132	2200	30	G $\frac{3}{4}$	0.1...1.5 0.2...3.0 0.5...8.0 1.0...15	R3000-08AT R3000-08BT R3000-08CT R3000-08FT R3000-08GT R3000-08LT
80	155	37	P	1.8	132	2200	50		2.0...30 3.0...50	R3000-08AT R3000-08BT R3000-08CT R3000-08FT R3000-08GT R3000-08LT
125	285	66	D	5.5	390	6500	30	G $\frac{3}{4}$	0.1...1.5 0.2...3.0 0.5...8.0 1.0...15	R3000-08AT R3000-08BT R3000-08CT R3000-08FT R3000-08GT R3000-08LT
125	285	66	P	5.5	390	6500	50		2.0...30 3.0...50	R3000-08AT R3000-08BT R3000-08CT R3000-08FT R3000-08GT R3000-08LT
125	285	66	D	5.5	390	6500	30	G1	0.1...1.5 0.2...3.0 0.5...8.0 1.0...15	R3000-08AT R3000-08BT R3000-08CT R3000-08FT R3000-08GT R3000-08LT
125	285	66	P	5.5	390	6500	50		2.0...30 3.0...50	R3000-08AT R3000-08BT R3000-08CT R3000-08FT R3000-08GT R3000-08LT



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



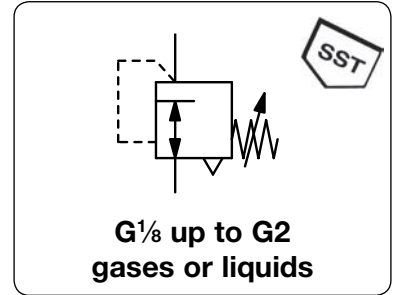
**Order example:**  
R3000-01AT

China website: [www.duray-control.cn](http://www.duray-control.cn)

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

# R3000

<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 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
<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 NBR/Buna-N or EPDM

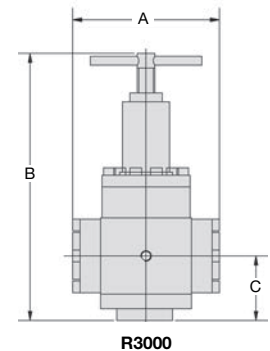


Dimensions			Reg. system	K <sub>v</sub>	Flow	P <sub>1</sub>	Connection	Pressure	Order
A	B	C	D: diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: piston	(m <sup>3</sup> /h)	m <sup>3</sup> /h*1	l/min*1	G	bar	

SST pressure regulator										supply pressure max. 30/50 bar, non-relieving, PTFE diaphragm and FKM o-ring	R3000
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	



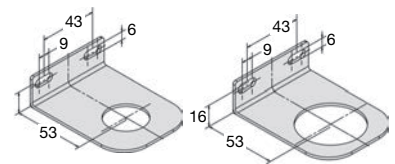
R3000-B6ET, accessory: gauge



R3000

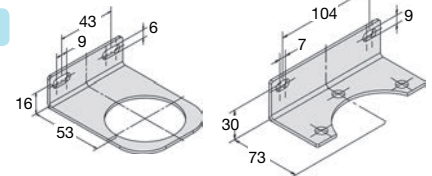
## Special options, add the appropriate letter

<b>NPT</b>	connection thread			R3000-...N	
<b>relieving diaphragm</b>			up to G1	R3000-...R	
<b>relieving piston</b>				R3000-...R	
<b>up to 130 °C / 266 °F</b>	high temperature version			R3000-...X54	
<b>FKM o-ring</b>	at piston regulator or PTFE diaphragm			R3000-...T	
<b>NBR/Buna-N o-ring</b>				R3000-...TB	
<b>EPDM o-ring</b>				R3000-...TE	
<b>SST diaphragm</b>	FKM o-ring		for G $\frac{1}{4}$ (02) to G1	R3000-...S	
	NBR/Buna-N o-ring		for G $\frac{1}{4}$ (02) to G1	R3000-...SB	
	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</b>	N <sub>2</sub> : 07	<b>ammonia</b>	NH <sub>3</sub> : 02	<b>carbon dioxide</b>	CO <sub>2</sub> : R3000-...03
<b>argon</b>	Ar: 05	<b>helium</b>	He: 09	<b>hydrogen</b>	H <sub>2</sub> : R3000-...11
<b>methane</b>	CH <sub>4</sub> : 13	<b>oxygen</b>	O <sub>2</sub> : 15	<b>propane</b>	C <sub>3</sub> H <sub>8</sub> : R3000-...16
<b>nitrous oxide</b>	N <sub>2</sub> O: 17			<b>water</b>	H <sub>2</sub> O: R3000-...W
<b>flange connection</b>			see end of the chapter / flanges		R3000-...F.



BW30-03S

BW45-03S

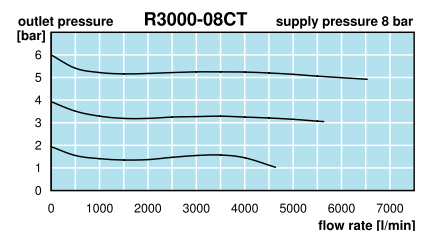


BW50-01S

BW00-27S

## Accessories, enclosed

<b>pressure gauge</b>	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	<b>MS4001-...*2</b>
	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ (02) to G $\frac{3}{4}$ (A6)	<b>MS5002-...*2</b>
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ (06) to G2	<b>MS6302-...*2</b>
<b>mounting bracket</b>		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	<b>BW30-03S</b>
<b>mounting nut</b>			<b>M30x1,5S</b>
<b>mounting bracket</b>		for G $\frac{1}{4}$ (02) and G $\frac{3}{8}$	<b>BW45-03S</b>
<b>mounting nut</b>			<b>M45x1,5S</b>
<b>mounting bracket</b>		for G $\frac{1}{2}$ to G $\frac{3}{4}$ (A6)	<b>BW50-01S</b>
<b>mounting nut</b>			<b>M50x1,5S</b>
<b>mounting bracket</b>		for G $\frac{3}{4}$ (06) and G1	<b>BW00-27S</b>



\*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



**Order Example:**  
R3000-12BT  
China website: www.duray-control.cn