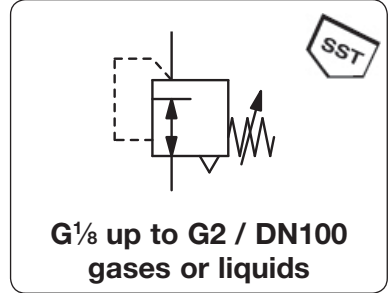


Pressure Regulator Made of Stainless Steel Throughout, up to 60 bar R3000

Description	Pressure regulator made of stainless steel, diaphragm- or piston-operated, up to $P_1 = 60$ bar.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 60 bar, for liquids $\Delta p_{max} = 25$ bar
Adjustment	by adjusting screw at R3000-01 to -A8, and -24 to -32 by T-handle at R3000-08 to -16C, with pilot-regulator by adjusting screw at -16D
Relieving function	non-relieving, optionally relieving
Gauge port	$G\frac{1}{8}$ at R3000-01 and -A2, all others $G\frac{1}{4}$ on both sides of the body, one screw plug supplied
Temperature range	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
Material	Body: stainless steel 316L, material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel O-rings: FKM, optionally EPDM Internal parts: stainless steel 316L, material no. 1.4404

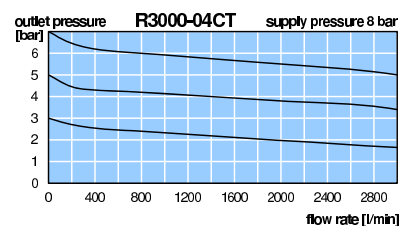
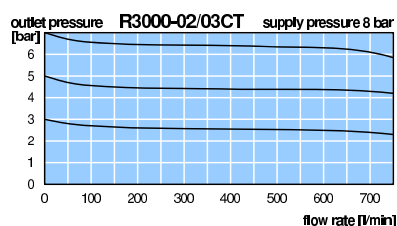
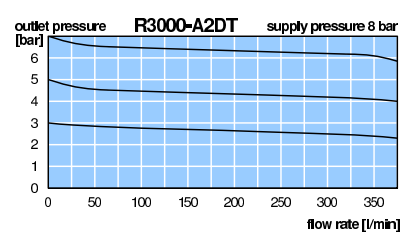
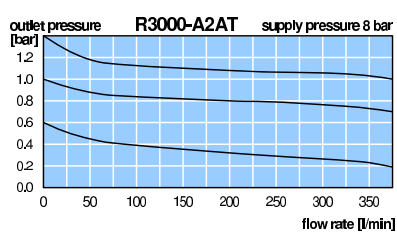
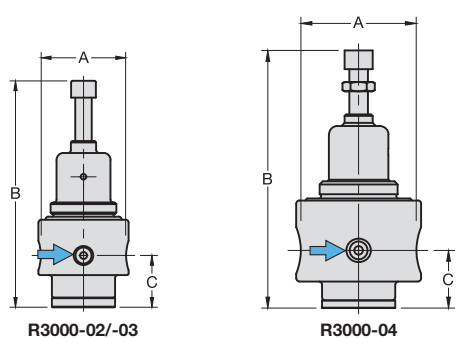


Dimensions			Regul. system	K_v	Flow	P_1	Connection	Pressure	Order
A	B	C	D: Diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: Piston	(m^3/h)	m^3/h^*1	l/min^*1	G	bar	

SST Pressure regulator										supply pressure max. 30/50 bar, non-relieving, PTFE diaphragm and FKM o-ring	R3000
40	92	22	D	0.2	20	350	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	92	22	D	0.2	20	350	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	161	38	D	0.5	42	700	30	$G\frac{1}{4}$	0.1...1.5	R3000-02AT	
									0.2...3.0	R3000-02BT	
									0.5...8.0	R3000-02CT	
							50		1.0...15	R3000-02DT	
							50		2.0...30	R3000-02ET	
							50		3.0...50	R3000-02FT	
64	175	38	P	0.5	42	700	50	$G\frac{3}{8}$	0.1...1.5	R3000-03AT	
									0.2...3.0	R3000-03BT	
									0.5...8.0	R3000-03CT	
							50		1.0...15	R3000-03DT	
							50		2.0...30	R3000-03ET	
							50		3.0...50	R3000-03FT	
64	175	38	P	0.5	42	700	50		0.1...1.5	R3000-04AT	
									0.2...3.0	R3000-04BT	
									0.5...8.0	R3000-04CT	
							50		1.0...15	R3000-04FT	
							50		2.0...30	R3000-04GT	
							50		3.0...50	R3000-04LT	



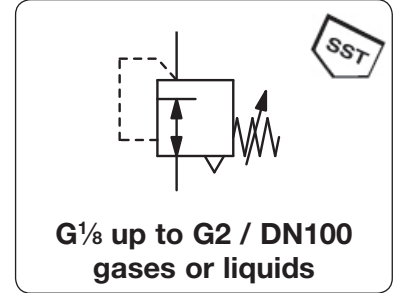
Accessories, see following pages



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

Pressure Regulator Made of Stainless Steel Throughout, up to 60 bar R3000

Description	Pressure regulator made of stainless steel, diaphragm- or piston-operated, up to $P_1 = 60$ bar.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 60 bar, for liquids $\Delta p_{max.} = 25$ bar
Adjustment	by adjusting screw at R3000-01 to -A8, and -24 to -32 by T-handle at R3000-08 to -16C, with pilot-regulator by adjusting screw at -16D
Relieving function	non-relieving, optionally relieving
Gauge port	$G\frac{3}{8}$ at R3000-01 and -A2, all others $G\frac{1}{4}$ on both sides of the body, one screw plug supplied
Temperature range	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
Material	Body: stainless steel 316L, material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel O-rings: FKM, optionally EPDM Internal parts: stainless steel 316L, material no. 1.4404

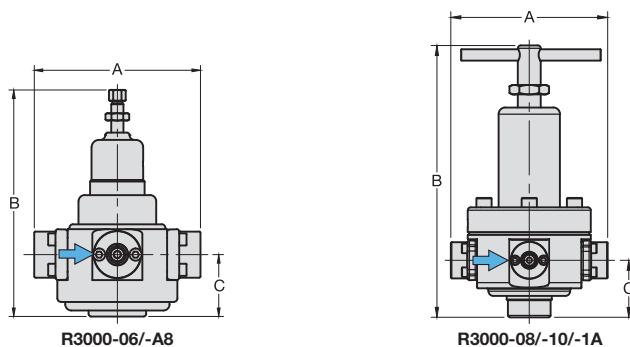


Dimensions			Regul. system	K_v	Flow	P_1	Connection	Pressure	Order
A	B	C	D: diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: piston	(m ³ /h)	m ³ /h*1	l/min*1	G	bar	

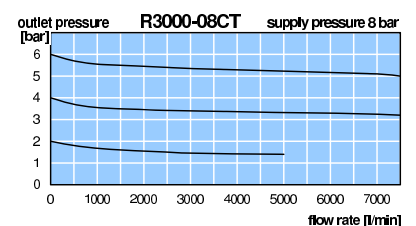
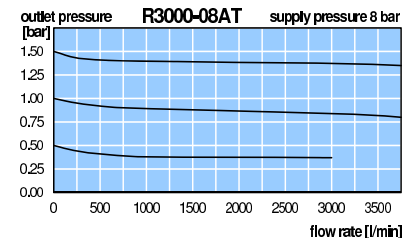
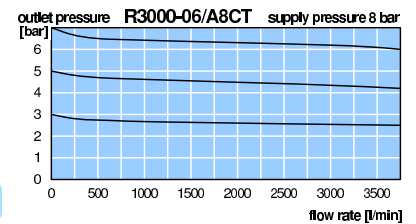
SST Pressure regulator										supply pressure max. 30/60 bar, non-relieving, PTFE diaphragm and FKM o-ring	R3000
137	187	51	P	3.0	228	3800	30	G $\frac{3}{8}$	0.1...1.5	R3000-06AT	
									0.2...3.0	R3000-06BT	
									0.5...8.0	R3000-06CT	
							50		1.0...15	R3000-06FT	
									2.0...30	R3000-06GT	
									3.0...50	R3000-06LT	
137	187	51	P	3.0	228	3800	30	G1	0.1...1.5	R3000-A8AT	
									0.2...3.0	R3000-A8BT	
									0.5...8.0	R3000-A8CT	
							50		1.0...15	R3000-A8FT	
									2.0...30	R3000-A8GT	
									3.0...50	R3000-A8LT	
165	286	60	D	6.0	480	8000	60	G1	0.1...1.5	R3000-08AT	
									0.2...3.0	R3000-08BT	
									0.5...8.0	R3000-08CT	
									1.0...15	R3000-08FT	
									2.0...30	R3000-08GT	
									3.0...50	R3000-08LT	
165	311	60	P	6.0	480	8000	60		0.1...1.5	R3000-10AT	
									0.2...3.0	R3000-10BT	
									0.5...8.0	R3000-10CT	
									1.0...15	R3000-10FT	
									2.0...30	R3000-10GT	
									3.0...50	R3000-10LT	
269	286	60	D	6.0	480	8000	60	G1 $\frac{1}{4}$	0.1...1.5	R3000-1AAT	
									0.2...3.0	R3000-1ABT	
									0.5...8.0	R3000-1ACT	
									1.0...15	R3000-1AFT	
									2.0...30	R3000-1AGT	
									3.0...50	R3000-1ALT	
269	311	60	P	6.0	480	8000	60		0.1...1.5	R3000-1AAAT	
									0.2...3.0	R3000-1AABT	
									0.5...8.0	R3000-1AACCT	
									1.0...15	R3000-1AAFT	
									2.0...30	R3000-1AAGT	
									3.0...50	R3000-1AALT	



Accessories, see following pages



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



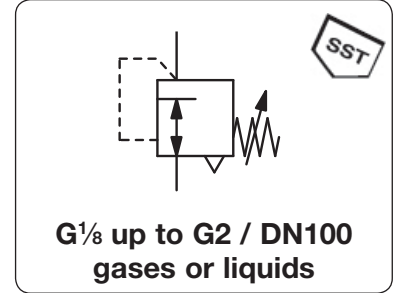
PDF CAD
www.aircom.net



Order example:
R3000-06AT

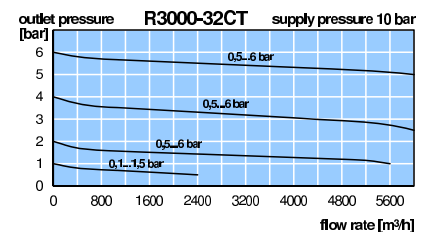
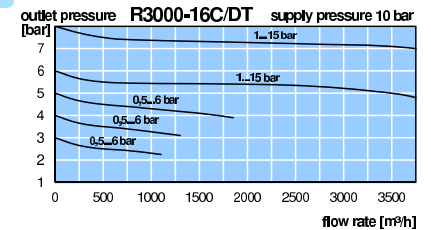
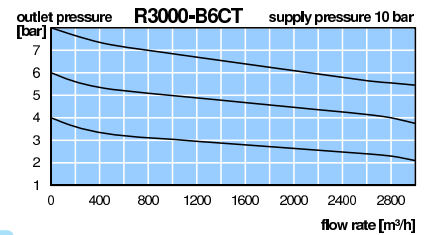
Pressure Regulator Made of Stainless Steel Throughout, up to 60 bar R3000

Description	Pressure regulator made of stainless steel, diaphragm- or piston-operated, up to $P_1 = 60$ bar.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 60 bar, for liquids $\Delta p_{max.} = 25$ bar
Adjustment	by adjusting screw at R3000-01 to -A8, and -24 to -32 by T-handle at R3000-08 to -16C, with pilot-regulator by adjusting screw at -16D
Relieving function	non-relieving, optionally relieving
Gauge port	$G\frac{1}{8}$ at R3000-01 and -A2, all others $G\frac{1}{4}$ on both sides of the body, one screw plug supplied
Temperature range	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
Material	Body: stainless steel 316L, material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel O-rings: FKM, optionally EPDM Internal parts: stainless steel 316L, material no. 1.4404

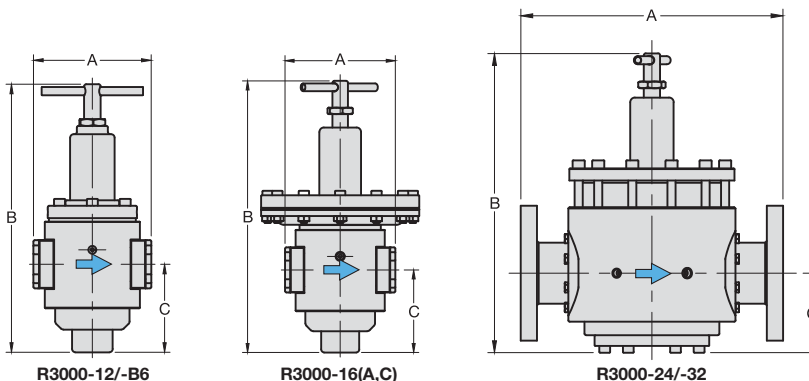


Dimensions			Regul. system	K_v	Flow	P_1	Connection	Pressure	Order
A	B	C	D: diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: piston	(m^3/h)	m^3/h^{*1}	l/min^{*1}	G	bar	

SST Pressure regulator										supply pressure max. 30/50 bar, non-relieving, PTFE diaphragm and FKM o-ring	R3000
171	390	128	P	12.6	900	15000	30	$G1\frac{1}{2}$	0.1 ... 1.5	R3000-12AT	
									0.2 ... 3.0	R3000-12BT	
									0.5 ... 8.0	R3000-12CT	
									1.0 ... 15	R3000-12ET	
171	400	128	P	12.6	900	15000	50		2.0 ... 30	R3000-12GT	
									3.0 ... 50	R3000-12LT	
171	390	128	P	12.6	900	15000	30	$G2$	0.1 ... 1.5	R3000-B6AT	
									0.2 ... 3.0	R3000-B6BT	
									0.5 ... 8.0	R3000-B6CT	
									1.0 ... 15	R3000-B6ET	
171	400	128	P	12.6	900	15000	50		2.0 ... 30	R3000-B6GT	
									3.0 ... 50	R3000-B6LT	
171	421	128	D	21.0	1800	30000	30	$G2$	0.1 ... 1.5	R3000-16AT	
									0.5 ... 6.0	R3000-16CT	
									1.0 ... 15	R3000-16DT	
389	425	118	D	48.0	4500	75000	30	DN80	0.1 ... 1.5	R3000-24AT	
									0.5 ... 6.0	R3000-24CT	
									1.0 ... 15	R3000-24DT	
389	425	118	D	56.0	5500	90000	30	DN100	0.1 ... 1.5	R3000-32AT	
									0.5 ... 6.0	R3000-32CT	
									1.0 ... 15	R3000-32DT	



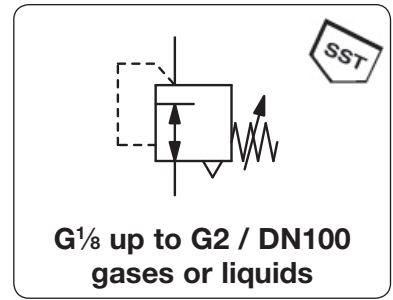
Accessories, see following pages



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

Pressure Regulator Made of Stainless Steel Throughout, up to 60 bar R3000

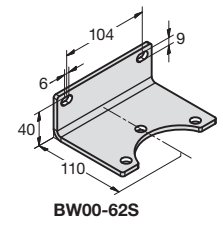
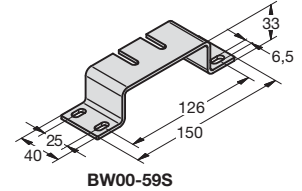
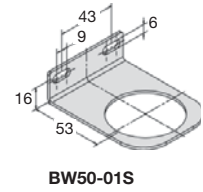
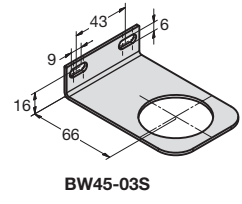
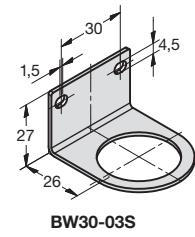
Description	Pressure regulator made of stainless steel, diaphragm- or piston-operated, up to P ₁ = 60 bar.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 60 bar, for liquids Δp _{max} = 25 bar
Adjustment	by adjusting screw at R3000-01 to -A8, and -24 to -32 by T-handle at R3000-08 to -16C, with pilot-regulator by adjusting screw at -16D
Relieving function	non-relieving, optionally relieving
Gauge port	G _{1/8} at R3000-01 and -A2, all others G _{1/4} on both sides of the body, one screw plug supplied
Temperature range	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
Material	Body: stainless steel 316L, material no. 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel O-rings: FKM, optionally EPDM Internal parts: stainless steel 316L, material no. 1.4404



Dimensions			Regul. system	K _v	Flow	P ₁	Connection	Pressure	Order
A	B	C	D: diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: piston	(m ³ /h)	m ³ /h*1	l/min*1	bar	bar	

Special options, add the appropriate letter or number

NPT	connection thread	for G _{1/8} and G _{1/4} (A2)	R3000-N
NPT	connection thread	for G _{1/4} (02) to G ₂	R3000-N
with T-handle	instead of hexagonal screw	for G _{1/4} (02) to G _{1/2}	R3000-P
diaphragm, relieving		up to G ₁	R3000-R
piston, relieving			R3000-R
tapped exhaust		for R3000-01/A2	R3000-X12
down to -40 °C	low temperature version	from G _{1/4} (02) on	R3000-X51
up to 130 °C	high temperature version	from G _{1/4} (02) on	R3000-X54
FKM o-ring	for piston or PTFE diaphragm		R3000-T
EPDM o-ring			R3000-TE
EPDM o-ring	FDA-approval		R3000-TD
SST diaphragm	FKM o-ring	for G _{1/4} (02) to G ₁ (A8)	R3000-S
	EPDM o-ring	for G _{1/4} (02) to G ₁ (A8)	R3000-SE
ammonia	NH ₃		R3000-02
carbon dioxide	CO ₂		R3000-03
argon	Ar		R3000-05
nitrogen	N ₂		R3000-07
helium	He		R3000-09
hydrogen	H ₂		R3000-11
methane	CH ₄		R3000-13
natural gas *3			R3000-14
oxygen	O ₂		R3000-15
propane	C ₃ H ₈		R3000-16
nitrous oxide	N ₂ O		R3000-17
water	H ₂ O		R3000-W
flange connection	see end of the chapter / flanges		R3000-F.



Accessories

pressure gauge	Ø 40 mm, 0...*2 bar, G _{1/8}	for G _{1/8} and G _{1/4} (A2)	MS4001-..*2
	Ø 50 mm, 0...*2 bar, G _{1/4}	for G _{1/4} (02) to G _{1/2}	MS5002-..*2
	Ø 63 mm, 0...*2 bar, G _{1/4}	for G _{3/4} (06) to G ₂	MS6302-..*2
mounting bracket		for G _{1/8} and G _{1/4} (A2)	BW30-03S
mounting nut		for G _{1/8} and G _{1/4} (A2)	M30x1,5S
mounting bracket		for G _{1/4} (02), G _{3/8} , G _{3/4} and G ₁ (A8)	BW45-03S
mounting nut		for G _{1/4} (02), G _{3/8} , G _{3/4} and G ₁ (A8)	M45x1,5S
mounting bracket		for G _{1/2}	BW50-01S
mounting nut		for G _{1/2}	M50x1,5S
mounting bracket		for G ₁ (08) + G _{1 1/2} (1A)	BW00-59S
		for G _{1 1/2} (12) + G ₂ (B6)	BW00-62S

*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
 *3 without DVGW-approval