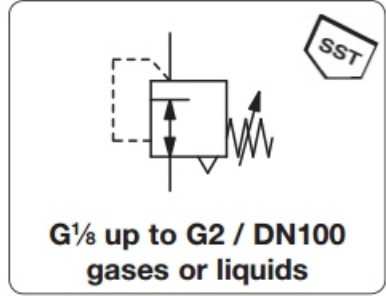


R3000 - Régulateur de pression en inox 316L - Gaz & Liquides - G1/8" à DN100, 60 bar siège FKM, EPDM, SST, compatible avec de nombreux gaz ou liquides

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 $\frac{1}{4}$ 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

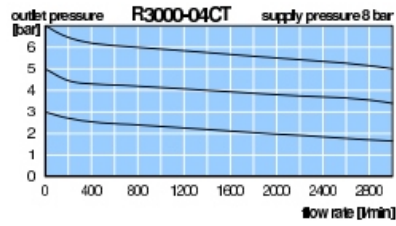
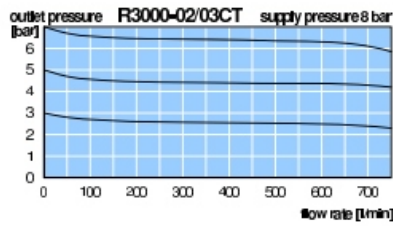
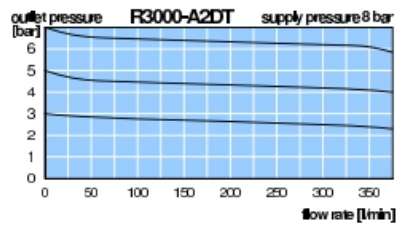
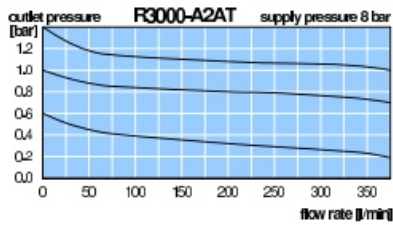
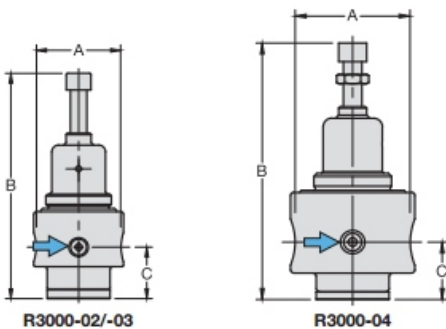


Dimensions			Regul. system	K_v	Flow	P_1	Connection	Pressure	Order
A	B	C	D: Diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: Piston	(m 3 /h)	m 3 /h*1	l/min*1	G	bar	

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	
							50		0.2...3.0	R3000-02BT	
									0.5...8.0	R3000-02CT	
									1.0...15	R3000-02DT	
64	175	38	P	0.5	42	700	50		2.0...30	R3000-02ET	
									3.0...50	R3000-02FT	
64	161	38	D	0.5	42	700	30	G $\frac{3}{8}$	0.1...1.5	R3000-03AT	
							50		0.2...3.0	R3000-03BT	
									0.5...8.0	R3000-03CT	
									1.0...15	R3000-03DT	
64	175	38	P	0.5	42	700	50		2.0...30	R3000-03ET	
									3.0...50	R3000-03FT	
80	164	37	D	1.8	132	2200	30	G $\frac{1}{2}$	0.1...1.5	R3000-04AT	
							50		0.2...3.0	R3000-04BT	
									0.5...8.0	R3000-04CT	
									1.0...15	R3000-04FT	
80	189	37	P	1.8	132	2200	50		2.0...30	R3000-04GT	
									3.0...50	R3000-04LT	



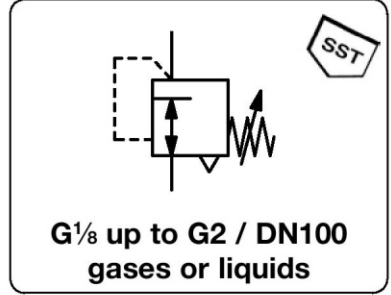
Accessories, see following pages



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

R3000 - Régulateur de pression en inox 316L - Gaz & Liquides - G1/8" à DN100, 60 bar siège FKM, EPDM, SST, compatible avec de nombreux gaz ou liquides

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

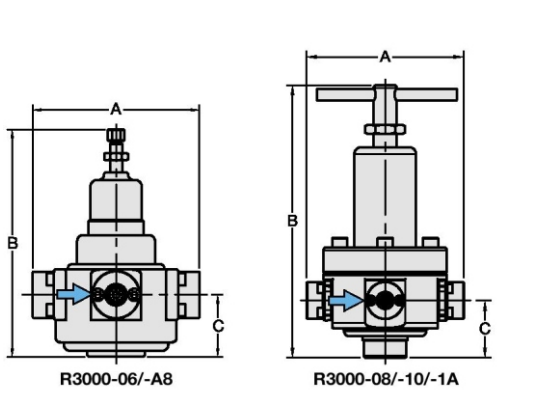


Dimensions			Regul. system	K_v	Flow	P_1	Connection	Pressure	Order
A	B	C	D: diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: piston	(m 3 /h)	m 3 /h*1	l/min*1	G	bar	

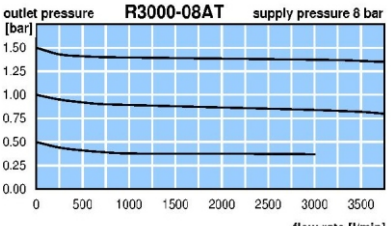
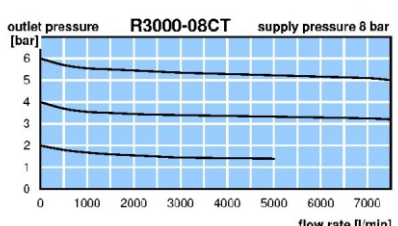
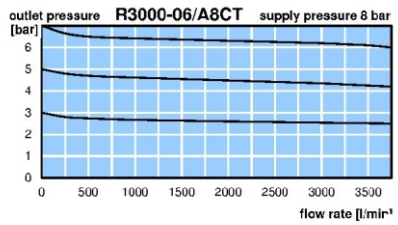
SST Pressure regulator										supply pressure max. 30/60 bar, non-relieving, PTFE diaphragm and FKM o-ring	R3000
137	187	51	P	3.0	228	3800	30	G $\frac{3}{4}$	0.1 ... 1.5	R3000-06AT	
									0.2 ... 3.0	R3000-06BT	
									0.5 ... 8.0	R3000-06CT	
							50		1.0 ... 15	R3000-06FT	
									2.0 ... 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	



Accessories, see following pages

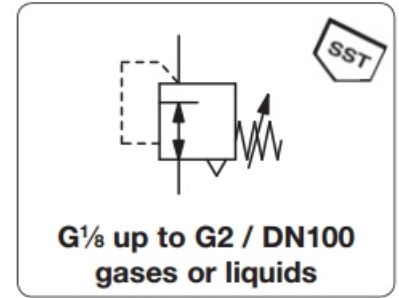


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop



R3000 - Régulateur de pression en inox 316L - Gaz & Liquides - G1/8" à DN100, 60 bar siège FKM, EPDM, SST, compatible avec de nombreux gaz ou liquides

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 $\frac{1}{4}$ at R3000-01 and -A2, all others G $\frac{1}{8}$ 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

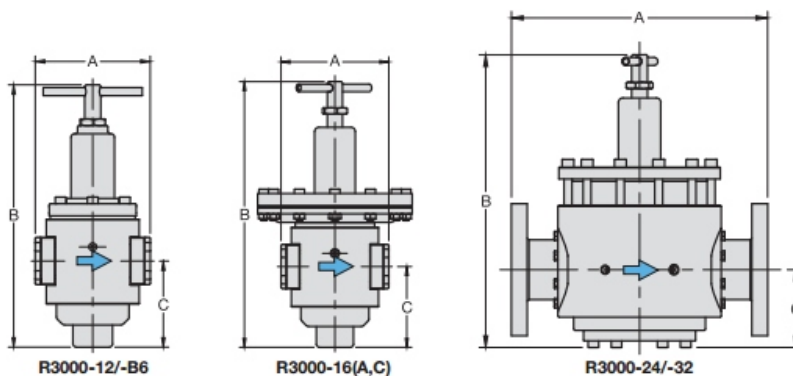
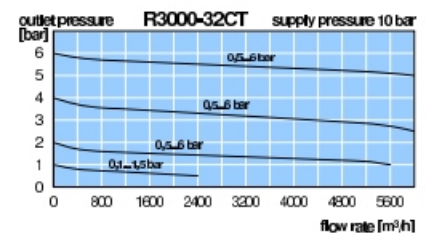
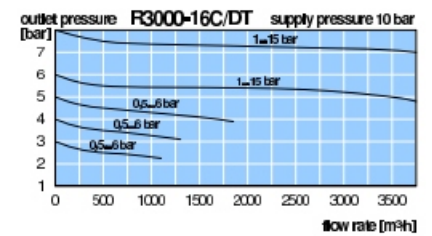
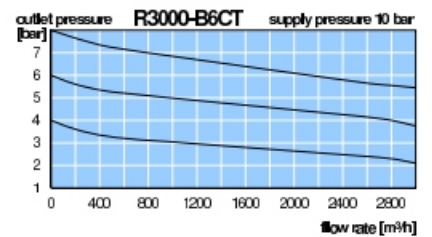


Dimensions			Regul. system	K_v	Flow	P_1	Connection	Pressure	Order
A	B	C	D: diaphragm	value	rate	max.	thread	range	number
mm	mm	mm	P: piston	(m 3 /h)	m 3 /h*1	l/min*1	G	bar	

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 0.2 ... 3.0 0.5 ... 8.0	R3000-12AT R3000-12BT R3000-12CT
									1.0 ... 15	R3000-12ET
171	400	128	P	12.6	900	15000	50		2.0 ... 30 3.0 ... 50	R3000-12GT R3000-12LT
171	390	128	P	12.6	900	15000	30	G2	0.1 ... 1.5 0.2 ... 3.0 0.5 ... 8.0	R3000-B6AT R3000-B6BT R3000-B6CT
									1.0 ... 15	R3000-B6ET
171	400	128	P	12.6	900	15000	50		2.0 ... 30 3.0 ... 50	R3000-B6GT R3000-B6LT
171	421	128	D	21.0	1800	30000	30	G2	0.1 ... 1.5 0.5 ... 6.0	R3000-16AT R3000-16CT
171	417	128	D	21.0	1800	30000	30		1.0 ... 15	R3000-16DT
389	425	118	D	48.0	4500	75000	30	DN80	0.1 ... 1.5 0.5 ... 6.0	R3000-24AT R3000-24CT
									1.0 ... 15	R3000-24DT
389	425	118	D	56.0	5500	90000	30	DN100	0.1 ... 1.5 0.5 ... 6.0	R3000-32AT R3000-32CT
									1.0 ... 15	R3000-32DT



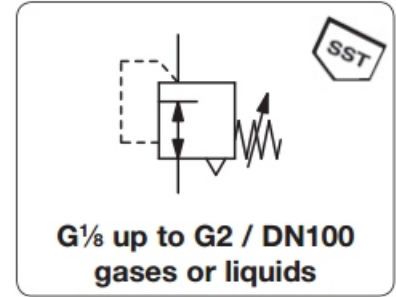
Accessories, see following pages



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

R3000 - Régulateur de pression en inox 316L - Gaz & Liquides - G1/8" à DN100, 60 bar siège FKM, EPDM, SST, compatible avec de nombreux gaz ou liquides

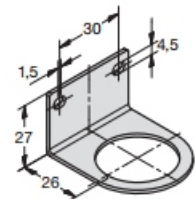
Description	Pressure regulator made of stainless steel, diaphragm- or piston-operated, up to $P_1 = 60$ bar.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 60 bar, for liquids $\Delta p_{max} = 25$ bar
Adjustment	by adjusting screw at R3000-01 to -A8, and -24 to -32 by T-handle at R3000-08 to -16C, with pilot-regulator by adjusting screw at -16D
Relieving function	non-relieving, optionally relieving Mounting position any
Gauge port	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
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



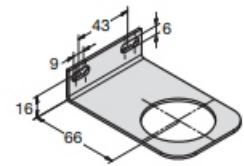
Dimensions	Regul. system	K_v	Flow rate	P_1 max.	Connection thread	Pressure range	Order number
A B C	D: diaphragm P: piston	value	m^3/h m^3/h^{*1} l/min^{*1}	bar	G	bar	
mm mm mm		(m^3/h)					

Special options, add the appropriate letter or number

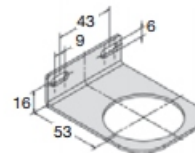
NPT	connection thread	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	R3000-...N
NPT	connection thread	for G $\frac{1}{4}$ (02) to G2	R3000-...N
with T-handle	instead of hexagonal screw	for G $\frac{1}{4}$ (02) to G $\frac{1}{2}$	R3000-...P
diaphragm, relieving		up to G1	R3000-...R
piston, relieving			R3000-...R
tapped exhaust		for R3000-01/A2	R3000-...X12
down to -40 °C	low temperature version	from G $\frac{1}{4}$ (02) on	R3000-...X51
up to 130 °C	high temperature version	from G $\frac{1}{4}$ (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 $\frac{1}{4}$ (02) to G1 (A8)	R3000-...S
	EPDM o-ring	for G $\frac{1}{4}$ (02) to G1 (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.



BW30-03S



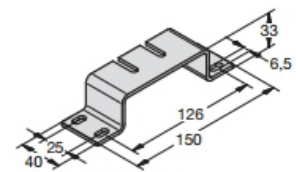
BW45-03S



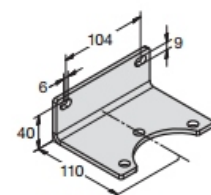
BW50-01S

Accessories

pressure gauge	\varnothing 40 mm, 0...*2 bar, G $\frac{1}{8}$	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	MS4001-...*2
	\varnothing 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ (02) to G $\frac{1}{2}$	MS5002-...*2
	\varnothing 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ (06) to G2	MS6302-...*2
mounting bracket		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	BW30-03S
mounting nut		for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	M30x1,5S
mounting bracket		for G $\frac{1}{4}$ (02), G $\frac{3}{8}$, G $\frac{1}{2}$ and G1 (A8)	BW45-03S
mounting nut		for G $\frac{1}{4}$ (02), G $\frac{3}{8}$, G $\frac{1}{2}$ and G1 (A8)	M45x1,5S
mounting bracket		for G $\frac{1}{2}$	BW50-01S
mounting nut		for G $\frac{1}{2}$	M50x1,5S
mounting bracket		for G1 (08) + G1 $\frac{1}{2}$ (1A)	BW00-59S
mounting bracket		for G1 $\frac{1}{2}$ (12) + G2 (B6)	BW00-62S



BW00-59S



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