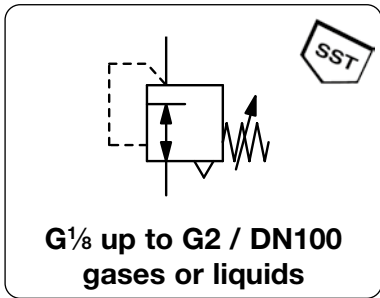


PRESSURE REGULATOR MADE OF STAINLESS STEEL THROUGHOUT, UP TO 60 BAR R3000

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 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	

SST Pressure regulator										supply pressure max. 30/50 bar, non-relieving, PTFE diaphragm and FKM o-ring	R3000
40	88	18	M	0,35	20	330	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	18	M	0,35	20	330	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	160	38	M	1,4	78	1300	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	
									2,0...30	R3000-02ET	
									3,0...50	R3000-02FT	
64	175	38	K	1,4	78	1300	50			R3000-02GT	
										R3000-02HT	
109	160	39	M	3,0	168	2800	50	$G\frac{3}{8}$	0,1...1,5	R3000-03AT	
									0,2...3,0	R3000-03BT	
									0,5...8,0	R3000-03CT	
									1,0...15	R3000-03FT	
									2,0...30	R3000-03GT	
									3,0...50	R3000-03LT	
109	178	39	K	3,0	168	2800	50			R3000-03HT	
										R3000-03LT	
109	160	39	M	3,0	168	2800	50	$G\frac{1}{2}$	0,1...1,5	R3000-04AT	
									0,2...3,0	R3000-04BT	
									0,5...8,0	R3000-04CT	
									1,0...15	R3000-04FT	
									2,0...30	R3000-04GT	
									3,0...50	R3000-04LT	



R3000-01/-A2

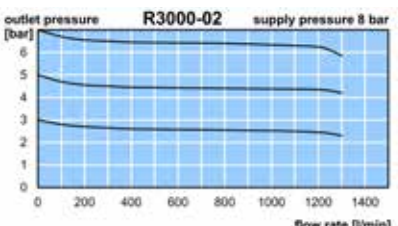
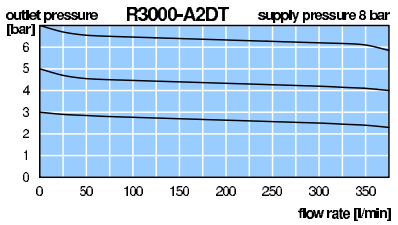
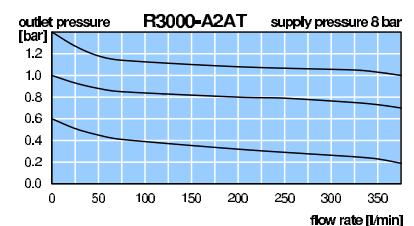
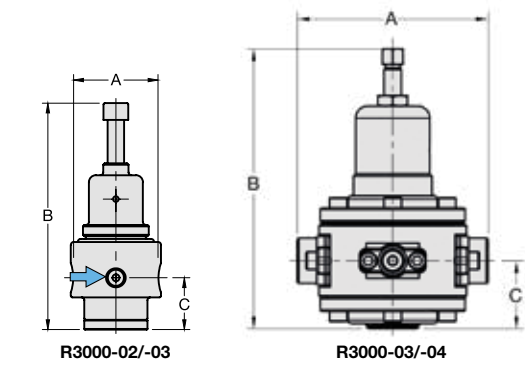


R3000-02



R3000-04

Accessories, see following pages

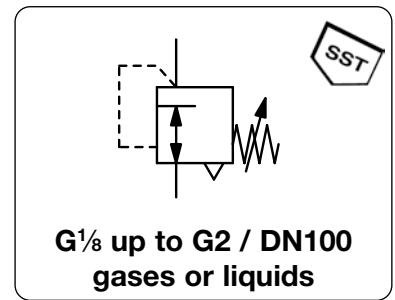


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

* Product group

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	Mounting position any
Temperature range	$G\frac{3}{4}$ at R3000-01 and -A2, all others $G\frac{1}{2}$ on both sides of the body, one screw plug supplied
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. 30/50/60 bar, non-relieving, PTFE diaphragm and FKM o-ring	R3000
137	187	51	K	8.4	480	8000	50	$G\frac{3}{4}$	0.1...1.5	R3000-06AT	
									0.2...3.0	R3000-06BT	
									0.5...8.0	R3000-06CT	
									1.0...15	R3000-06FT	
									2.0...30	R3000-06GT	
									3.0...50	R3000-06LT	
137	187	51	K	8.4	480	8000	50	$G1$	0.1...1.5	R3000-A8AT	
									0.2...3.0	R3000-A8BT	
									0.5...8.0	R3000-A8CT	
									1.0...15	R3000-A8FT	
									2.0...30	R3000-A8GT	
									3.0...50	R3000-A8LT	
165	287	60	M	9.7	540	9000	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	302	60	K	9.7	540	9000	60		0.1...1.5	R3000-10AT	
165	311	60							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	287	60	M	9.7	540	9000	60	$G1\frac{1}{2}$	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	



R3000-06/-A8

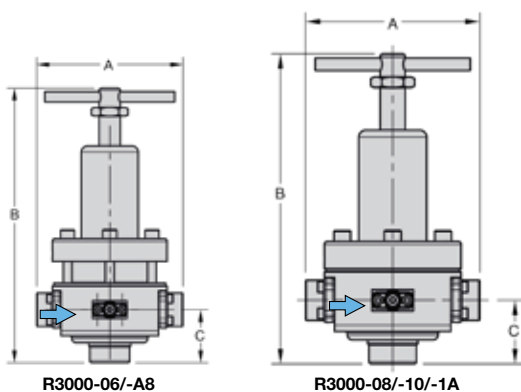


R3000-08/-10/-1A



R3000-06/A8.TF.

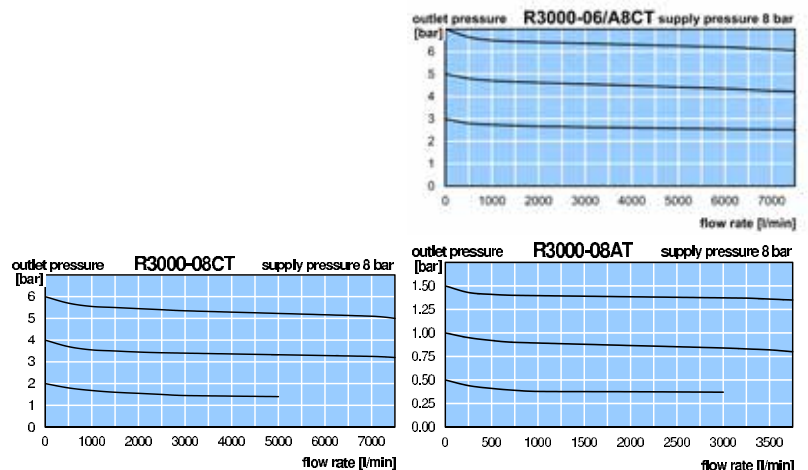
Accessories, see following pages



R3000-06/-A8

R3000-08/-10/-1A

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

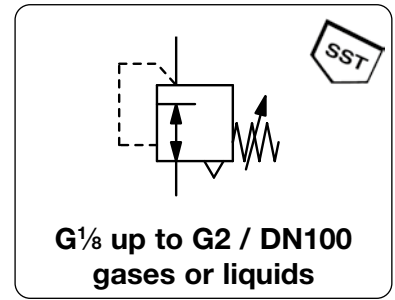


* Product group



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 $\frac{1}{8}$ 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	

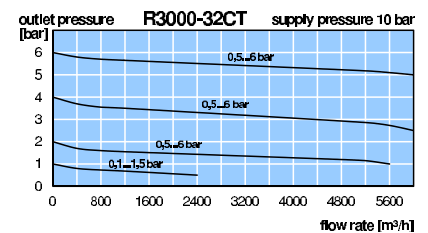
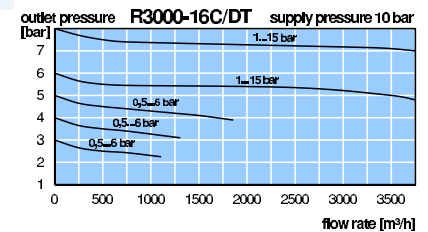
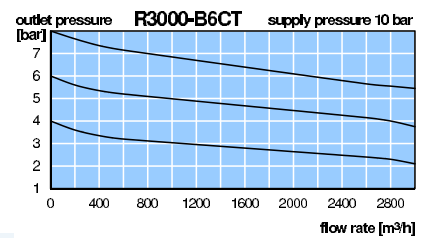
SST Pressure regulator										supply pressure max. 30/50 bar, non-relieving, PTFE diaphragm and FKM o-ring	R3000
174	393	126	K	25	1380	23000	30	G1½	0.1 ... 1.5	R3000-12AT	
									0.2 ... 3.0	R3000-12BT	
									0.5 ... 8.0	R3000-12CT	
							50		1.0 ... 15	R3000-12ET	
									2.0 ... 30	R3000-12GT	
									3.0 ... 50	R3000-12LT	
174	393	126	K	25	1380	23000	30	G2	0.1 ... 1.5	R3000-B6AT	
									0.2 ... 3.0	R3000-B6BT	
									0.5 ... 8.0	R3000-B6CT	
							50		1.0 ... 15	R3000-B6ET	
									2.0 ... 30	R3000-B6GT	
									3.0 ... 50	R3000-B6LT	
171	421	128	M	25	1440	24000	30	G2	0.1 ... 1.5	R3000-16AT	
									0.2 ... 3.0	R3000-16BT	
									0.5 ... 6.0	R3000-16CT	
									1.0 ... 15	R3000-16DT	
171	417	128	M	25	1440	24000	30		0.1 ... 1.5	R3000-24AT	
405	446	118	M	65	3900	65000	30	DN80	0.2 ... 3.0	R3000-24BT	
									0.5 ... 6.0	R3000-24CT	
									1.0 ... 15	R3000-24DT	
405	427	118							0.1 ... 1.5	R3000-32AT	
405	446	118	M	65	3900	65000	30	DN100	0.2 ... 3.0	R3000-32BT	
									0.5 ... 6.0	R3000-32CT	
									1.0 ... 15	R3000-32DT	



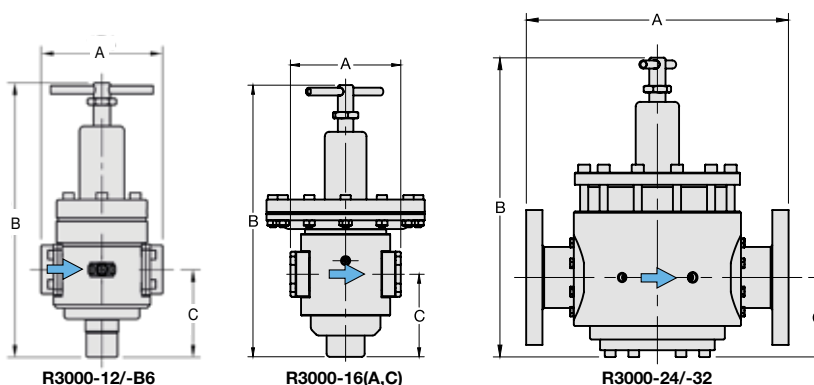
R3000-12/-B6



R3000-16
accessory: gauge



Accessories, see following pages

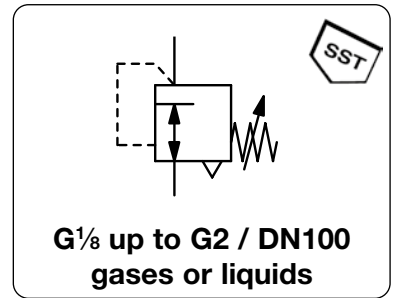


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

* Product group

PRESSURE REGULATOR MADE OF STAINLESS STEEL THROUGHOUT, UP TO 60 BAR R3000

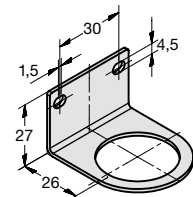
Description	Pressure regulator made of stainless steel, diaphragm- or piston-operated, up to $P_1 = 60$ bar.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 60 bar, for liquids $\Delta p_{max} = 25$ bar
Adjustment	by adjusting screw at R3000-01 to -A8, and -24 to -32 by T-handle 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



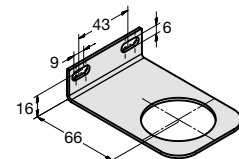
Dimensions	Regul. system	K_v	Flow	P_1	Connection	Pressure	Order
A B C	D: diaphragm	value	rate	max.	thread	range	number
mm mm mm	P: piston	(m^3/h)	m^3/h^*1 l/min^*1	bar	G	bar	

Special options, add the appropriate letter or number

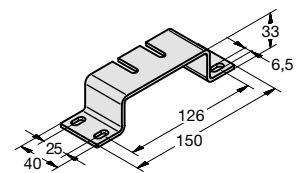
NPT	connection thread	R3000-N
with T-handle	instead of hexagonal screw	for $G\frac{1}{4}$ (02) to $G1$ (A8) R3000-P
relieving		R3000-R
tapped exhaust		for R3000-01/A2 R3000-X12
down to -40 °C	low temperature version	R3000-X51
up to 130 °C	high temperature version	for $G\frac{1}{4}$ (02) on R3000-X54
spring cowling m. of POM	for $G\frac{1}{8}$ and $G\frac{1}{4}$ (A2)	R3000-X57
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.



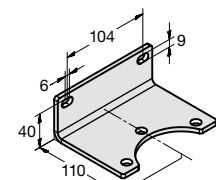
BW30-03S



BW45-03S



BW00-59S



BW00-68S

Accessories, enclosed

pressure gauge	Ø 40 mm, 0...*2 bar, $G\frac{1}{8}$	for $G\frac{1}{8}$ 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 $G\frac{1}{2}$	MS5002-..*2
	Ø 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)	M30x1,5SS
mounting bracket		for $G\frac{1}{4}$ (02) to $G1$ (A8)	BW45-03S
mounting nut		for $G\frac{1}{4}$ (02) to $G1$ (A8)	M45x1,5S
mounting bracket		for $G1$ (08) + $G1\frac{1}{2}$ (1A)	BW00-59S
		for $G1\frac{1}{2}$ (12) + $G2$ (B6)	BW00-68S

*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

* Product group

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
MS4001-02