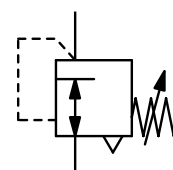


Description	Pressure regulator made of stainless steel, diaphragm- or piston-operated, up to $P_1 = 60$ bar.
Media	compressed air, gases or liquids
Supply pressure	see chart, max. 60 bar, for liquids $\Delta p_{\max} = 25$ bar
Adjustment	by adjusting screw at R3000-01 to -A8, and -24 to -32 by T-handle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



SST

G $\frac{1}{8}$ up to G2 / DN100
gases or liquids

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	



SST Pressure regulator

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

R3000

40	98	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	98	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		0,1 ... 1,5	R3000-03AT
									0,2 ... 3,0	R3000-03BT
									0,5 ... 8,0	R3000-03CT
									1,0 ... 15	R3000-03FT
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
109	178	39	K	3,0	168	2800	50		0,1 ... 1,5	R3000-03AT
									0,2 ... 3,0	R3000-03BT
									0,5 ... 8,0	R3000-03CT
									1,0 ... 15	R3000-03FT
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
109	178	39	K	3,0	168	2800	50		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

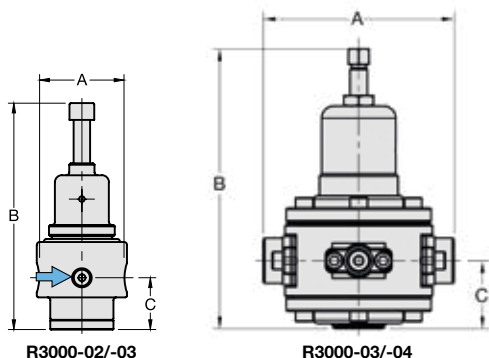


R3000-02



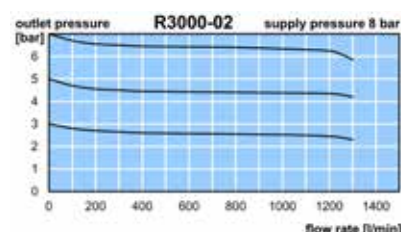
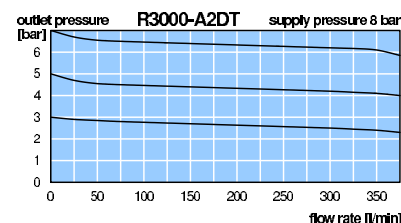
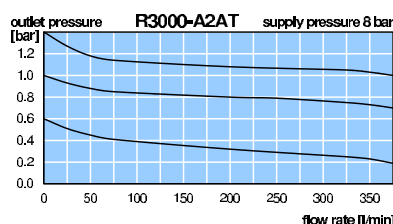
R3000-04

Accessories, see following pages



R3000-02/-03

R3000-03/-04

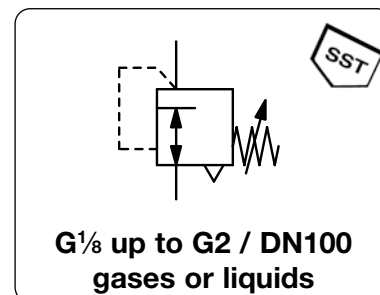


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

PRESSURE REGULATOR MADE OF STAINLESS STEEL THROUGHTOUT, 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 $\Delta p_{\max.} \approx 25$ 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	

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
269	287	60	M	9.7	540	9000	60	G1 $\frac{1}{4}$	0.5 ... 8.0	R3000-10CT
									1.0 ... 15	R3000-10FT
									2.0 ... 30	R3000-10GT
									3.0 ... 50	R3000-10LT
269	302	60	K	9.7	540	9000	60		0.1 ... 1.5	R3000-1AAT
269	311	60							0.2 ... 3.0	R3000-1ABT
269	287	60	M	9.7	540	9000	60	G1 $\frac{1}{2}$	0.5 ... 8.0	R3000-1ACT
									1.0 ... 15	R3000-1AFT
									2.0 ... 30	R3000-1AGT
									3.0 ... 50	R3000-1ALT



R3000-06/-A8

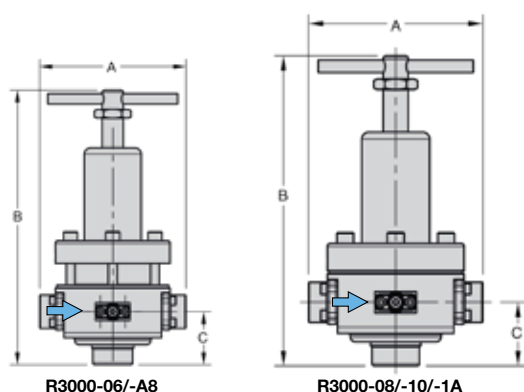


R3000-08/-10/-1A



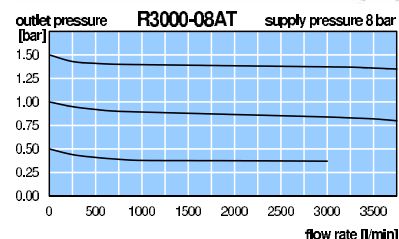
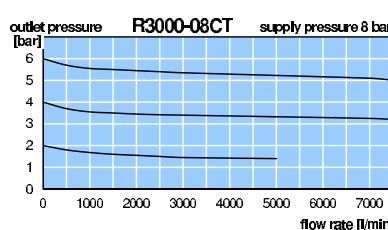
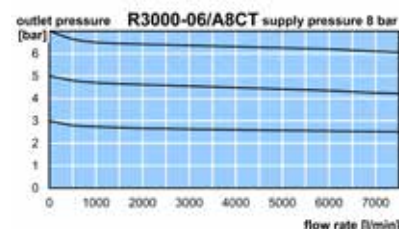
R3000-06/A8.TF.

Accessories, see following pages



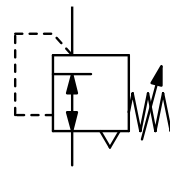
R3000-06/-A8

R3000-08/-10/-1A



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

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 by T-handle at R3000-08 to -32CT, with pilot-regulator by adjusting screw at -16D/-24D/-32D
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



SST

G $\frac{1}{8}$ up to G2 / DN100
gases or liquids

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	



SST Pressure regulator

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

R3000

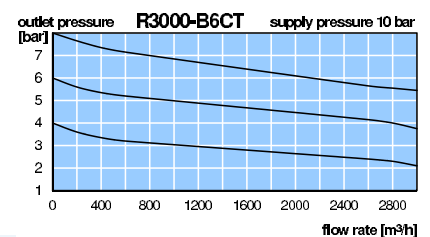
174	393	126	K	25	1380	23000	30	G1½	0.1 ... 1.5	R3000-12AT
									0.2 ... 3.0	R3000-12BT
									0.5 ... 8.0	R3000-12CT
							50		1.0 ... 15	R3000-12ET
									2.0 ... 30	R3000-12GT
									3.0 ... 50	R3000-12LT
174	393	126	K	25	1380	23000	30	G2	0.1 ... 1.5	R3000-B6AT
									0.2 ... 3.0	R3000-B6BT
									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
171	417	128	M	25	1440	24000	30		1.0 ... 15	R3000-16DT
405	446	118	M	65	3900	65000	30	DN80	0.1 ... 1.5	R3000-24AT
									0.2 ... 3.0	R3000-24BT
									0.5 ... 6.0	R3000-24CT
405	427	118							1.0 ... 15	R3000-24DT
405	446	118	M	65	3900	65000	30	DN100	0.1 ... 1.5	R3000-32AT
									0.2 ... 3.0	R3000-32BT
									0.5 ... 6.0	R3000-32CT
405	427	118							1.0 ... 15	R3000-32DT



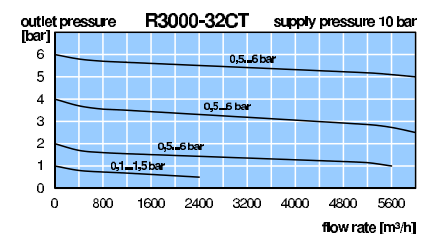
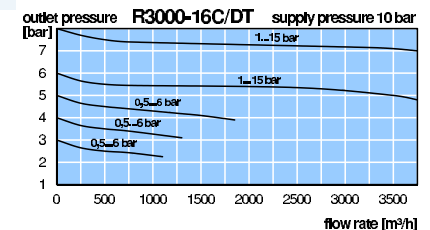
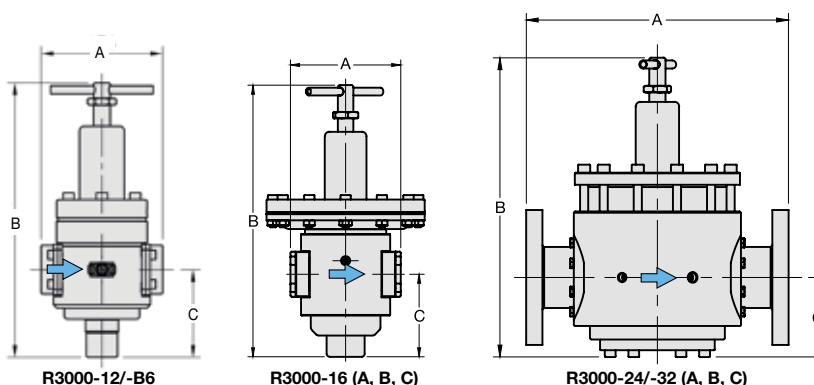
R3000-12/-B6



R3000-16 (A, B, C)
accessory: gauge



Accessories, see following pages



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

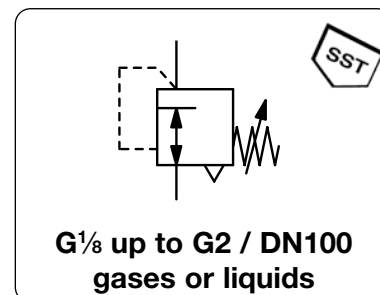
PDF CAD
www.aircom.net

FLUIDTECHNIK
bohemia

PRESSURE REGULATOR MADE OF STAINLESS STEEL THROUGHTOUT, 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 by T-handle at R3000-08 to -32CT, with pilot-regulator by adjusting screw at -16D/-24D/-32D
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

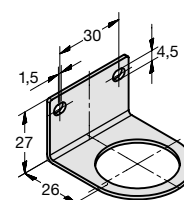


Dimensions	Regul. system	K_v	Flow	P_1	Connection	Pressure	Order
A B C	D: diaphragm	value	rate	max.	thread	range	number
mm mm mm	P: piston	(m^3/h)	m^3/h^*1 l/min^*1	bar	G	bar	

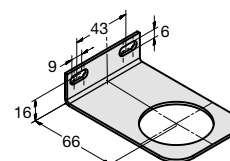


Special options, add the appropriate letter or number

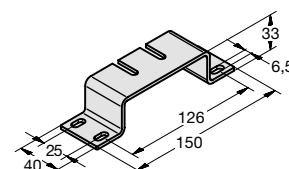
NPT	connection thread	R3000-...N
with T-handle	instead of hexagonal screw	for $G\frac{1}{4}$ (02) to G1 (A8) R3000-...P
relieving		R3000-...R
tapped exhaust		for R3000-01/A2 R3000-...X12
down to -40 °C	low temperature version	from $G\frac{1}{4}$ (02) on R3000-...X51
up to 130 °C	high temperature version	from $G\frac{1}{4}$ (02) on R3000-...X54
spring cowling m. of POM	P_1 max. 20 bar P_2 max. 8 bar	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_3H_8	R3000-...16
nitrous oxide	N_2O	R3000-...17
water	H_2O	R3000-...W
flange connection	according to EN-1092-1 or ASME B16.5 on request	R3000-...F.



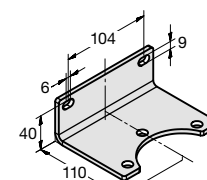
BW30-03S



BW45-03S



BW00-59S



BW00-68S

SST

SST

15

Accessories, enclosed

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) M30x1,5SS
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