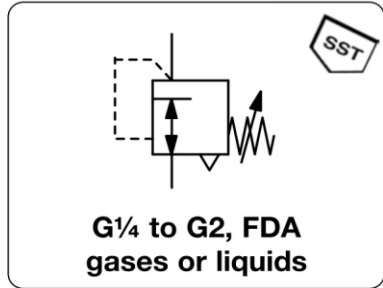


R3000-J - Régulateur de pression piloté en pression, booster, amplificateur de débit d'air, en acier inoxydable 316L, pour gaz et liquides

Description	Volume booster made of stainless steel throughout, without constant bleed, transmission ratio 1:1. compressed air, gases or liquids	
Media	max. 60 bar for R3000-06J/-1A, max. 30 bar for -16J, all others 50 bar, for liquids $\Delta p_{max} = 25$ bar	
Supply pressure	max. 15 bar for R3000-...J2, max. 50 bar for R3000-...J5, pilot port G $\frac{1}{4}$	
Pilot pressure	non-relieving, optionally relieving	
Relieving function	DN 2, optionally DN 4	
Exhaust	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied	
Gauge port	any	
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 SST	O-rings: FKM, optionally EPDM Inner valve: SST 316L, W.-Nr. 1.4404



Dimensions			Regulating System	K _v -value	Flow rate	Connection thread	Pilot pressure	Pressure range	Order number
A	B	C	D: Diaphragm P: Piston	(m ³ /h)	(m ³ /h*1)	G	max. bar	bar	

Stainless steel booster				supply pressure max. 60 bar, non-relieving, ratio 1:1, PTFE-diaphragm and FKM-o-ring						R3000-J
64	79	38	M	1.4	78	1300	G $\frac{1}{4}$	15	1...15	R3000-02J2T
64	92	38	K					50	1...50	R3000-02J5T
109	90	39	M	3.0	168	2800	G $\frac{1}{2}$	15	1...15	R3000-04J2T
109	108	39	K					50	1...50	R3000-04J5T
165	137	60	M	9.7	540	9000	G $\frac{3}{4}$	15	1...15	R3000-06J2T
165	172	60	K					50	1...50	R3000-06J5T
165	137	60	M	9.7	540	9000	G1	15	1...15	R3000-08J2T
165	172	60	K					50	1...50	R3000-08J5T



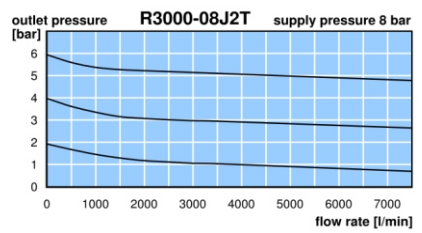
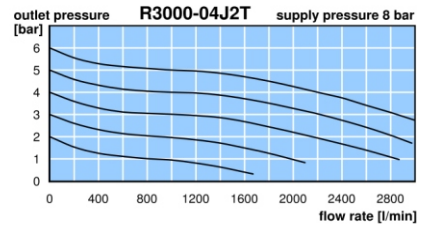
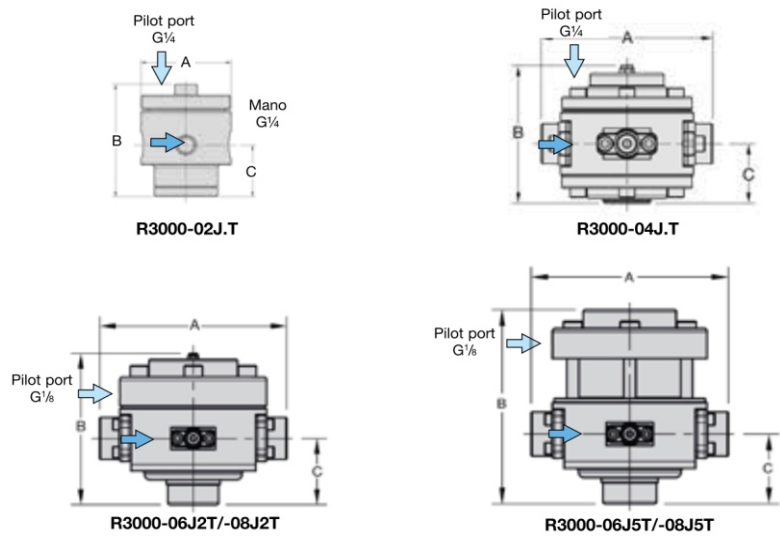
R3000-02J2T



R3000-04J2T



R3000-06J2T/-08J2T

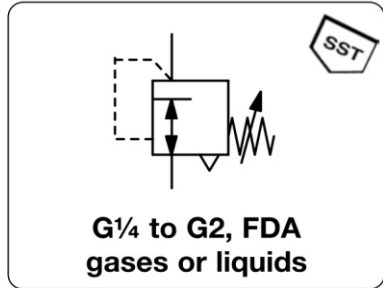


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 60 = 0...60 bar



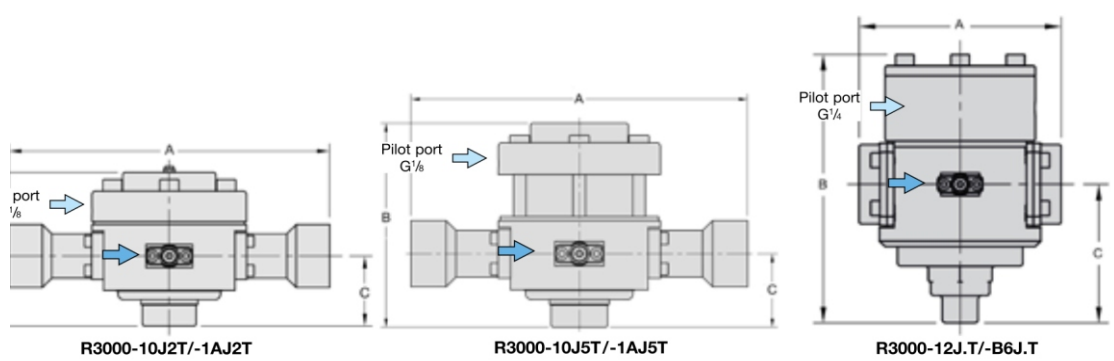
R3000-J - Régulateur de pression piloté en pression, booster, amplificateur de débit d'air, en acier inoxydable 316L, pour gaz et liquides

Description	Volume booster made of stainless steel throughout, without constant bleed, transmission ratio 1:1.		
Media	compressed air, gases or liquids		
Supply pressure	max. 60 bar for R3000-06J/-1A, max. 30 bar for -16J, all others 50 bar, for liquids $\Delta p_{max} = 25$ bar		
Pilot pressure	max. 15 bar for R3000-...J2, max. 50 bar for R3000-...J5,	pilot port G $\frac{1}{4}$	
Relieving function	non-relieving, optionally relieving		
Exhaust	DN 2, optionally DN 4		
Gauge port	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 SST	O-rings: FKM, optionally EPDM Inner valve: SST 316L, W.-Nr. 1.4404	Mounting position any



Dimensions			Regulating System	K _v -	Flow	Connection	Pilot	Pressure	Order
A	B	C	D: Diaphragm	value	rate	thread	pressure	range	number
mm	mm	mm	P: Piston	(m ³ /h)	m ³ /h*1	G	max. bar	bar	

Stainless steel booster				supply pressure max. 60 bar, non-relieving, ratio 1:1, PTFE-diaphragm and FKM-o-ring						R3000-J
269	137	60	M	9.7	540	9000	G $\frac{1}{4}$	15	1...15	R3000-10J2T
269	172	60	K					50	1...50	R3000-10J5T
269	137	60	M	9.7	540	9000	G $\frac{1}{2}$	15	1...15	R3000-1AJ2T
269	172	60	K					50	1...50	R3000-1AJ5T
174	226	126	K	25.0	1380	23000	G $\frac{1}{2}$	50	1...15	R3000-12J2T
174	226	126	K					50	1...50	R3000-12J5T
174	226	126	K	25.0	1380	23000	G2	50	1...15	R3000-B6J2T
174	226	126	K					50	1...50	R3000-B6J5T
171	268	128	K	25.0	1440	24000	G2	15	1...15	R3000-16J2T

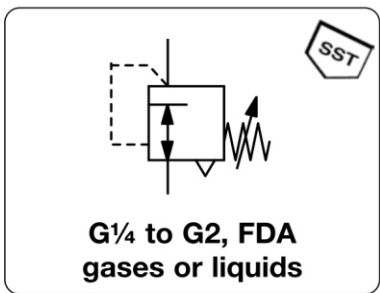


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 60 = 0...60 bar

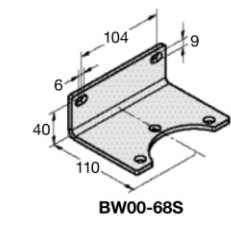
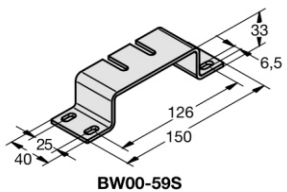


R3000-J - Régulateur de pression piloté en pression, booster, amplificateur de débit d'air, en acier inoxydable 316L, pour gaz et liquides

Description	Volume booster made of stainless steel throughout, without constant bleed, transmission ratio 1:1.		
Media	compressed air, gases or liquids		
Supply pressure	max. 60 bar for R3000-06J/-1A, max. 30 bar for -16J, all others 50 bar, for liquids $\Delta p_{max} = 25$ bar		
Pilot pressure	max. 15 bar for R3000-..J2, max. 50 bar for R3000-..J5,	pilot port G $\frac{1}{4}$	
Relieving function	non-relieving, optionally relieving		
Exhaust	DN 2, optionally DN 4		
Gauge port	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied	Mounting position any	
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 SST	O-rings: FKM, optionally EPDM Inner valve: SST 316L, W-Nr. 1.4404	



Dimensions			Regulating System	K _v -	Flow	Connection	Pilot	Pressure	Order
A	B	C	D: Diaphragm	value	rate	thread	pressure	range	number
mm	mm	mm	P: Piston	(m ³ /h)	m ³ /h*1	l/min*1	G	max. bar	bar



Special options, add the appropriate letter

diaphragm relieving		for R3000-02J2 to 1A&J2	R3000-..J2.R
piston relieving		for R3000-..J5	R3000-..J..R
down to -40 °C/ -40°F	low temperature version		R3000-..J..X51
up to 130 °C/266 °F	high temperature version		R3000-..J..X54
FKM -o-ring	for piston regulator or PTFE diaphragm		R3000-..J..T
EPDM-o-ring			R3000-..J..TE
EPDM-o-ring	FDA-approval		R3000-..J..TD
SST diaphragm	FKM -o-ring		R3000-..J..S
	EPDM-o-ring		R3000-..J..SE
tapped exhaust			R3000-..J..X12
ammonia	NH ₃	P ₁ max. 15 bar	R3000-..J..02
carobon dioxide	CO ₂		R3000-..J..03
argon	Ar		R3000-..J..05
nitrogen	N ₂		R3000-..J..07
helium	He		R3000-..J..09
hydrogen	H ₂		R3000-..J..11
methane	CH ₄		R3000-..J..13
natural gas *3			R3000-..J..14
oxygen	O ₂		R3000-..J..15
propane	C ₃ H ₈		R3000-..J..16
nitrous oxide	N ₂ O		R3000-..J..17
water	H ₂ O		R3000-..J..W
flange connection	according to EN-1092-1 or ASME B16.5		R3000-..J..F

Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ and G $\frac{1}{2}$	MS5002-..*2
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ to G2	MS6302-..*2
mounting bracket		for G $\frac{3}{4}$ and G1	BW00-59S
		for G1½ (12) and G2 (B6)	BW00-68S

*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop *3 without DVGW-approval
*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

