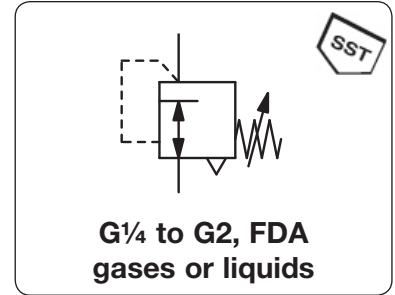
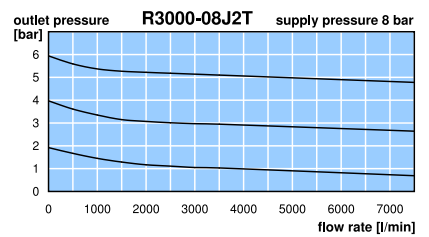
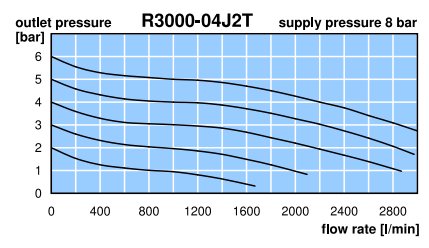
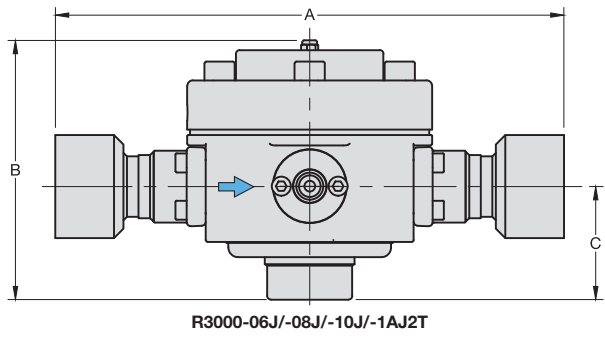
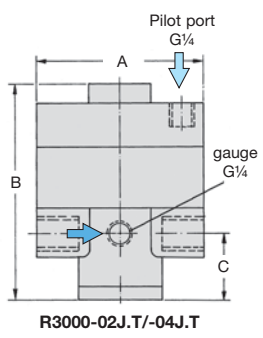
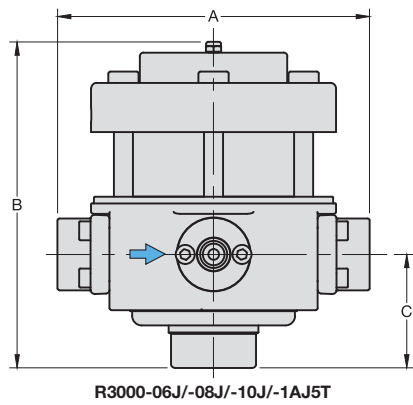


Description	Volume booster made of stainless steel throughout, without constant bleed, transmission ratio 1:1.		
Media	compressed air, gases or liquids		
Supply pressure	max. 60 bar for R3000-06J/-08J, all others 50 bar, for liquids $\Delta p_{max} = 25$ bar		
Pilot pressure	max. 15 bar for R3000-...J2, max. 50 bar for R3000-...J5, Steueranschluss 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	O-rings: FKM, optionally EPDM	Inner valve: SST 316L, W.-Nr. 1.4404



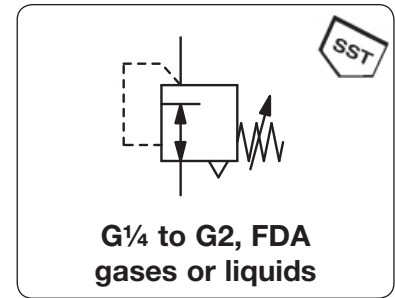
Dimensions			Regulating System	K _v -value	Flow rate	Connection thread	Pilot pressure	Pressure range	Order number
A	B	C	D: Diaphragm P: Piston	(m ³ /h)	m ³ /h*1 l/min*1	G	max. bar	bar	

Stainless steel booster										supply pressure max. 60 bar, non-relieving, ratio 1:1, PTFE-diaphragm and FKM-o-ring	R3000-J
64	79	38	D	0.5	30	500	G $\frac{1}{4}$	15	1...15	R3000-02J2T	
64	92	38	P					50	1...50	R3000-02J5T	
80	86	38	D	1.0	72	1200	G $\frac{1}{2}$	15	1...15	R3000-04J2T	
80	107	38	P					50	1...50	R3000-04J5T	
165	138	60	D	6.0	390	6500	G $\frac{3}{4}$	15	1...15	R3000-06J2T	
165	173	60	P					60	1...60	R3000-06J5T	
165	138	60	D	6.0	390	6500	G1	15	1...15	R3000-08J2T	
165	173	60	P					60	1...60	R3000-08J5T	
269	138	60	D	6.0	390	6500	G1 $\frac{1}{4}$	15	1...15	R3000-10J2T	
269	173	60	P					60	1...60	R3000-10J5T	
269	138	60	D	6.0	390	6500	G1 $\frac{1}{2}$	15	1...15	R3000-1AJ2T	
269	173	60	P					60	1...60	R3000-1AJ5T	
171	237	128	P	12.0	840	14000	G1 $\frac{1}{2}$	50	1...50	R3000-12J5T	
171	237	128	P	12.6	900	15000	G2	50	1...50	R3000-B6J5T	
171	268	128	P	21.0	1500	25000	G2	50	1...50	R3000-16J5T	



*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

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/-08J, 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,	Steueranschluss 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	O-rings: FKM, optionally EPDM	Inner valve: SST 316L, W.-Nr. 1.4404
	Diaphragm: NBR/Buna-N with PTFE coating, optionally SST		



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 l/min*1	G	max. bar	bar	
mm mm mm							

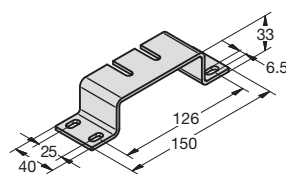
Special options, add the appropriate letter

diaphragm relieving		for R3000-02J2 to -08J2	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		R3000-...J.O2
carobon dioxide	CO ₂		R3000-...J.O3
argon	Ar		R3000-...J.O5
nitrogen	N ₂		R3000-...J.O7
helium	He		R3000-...J.O9
hydrogen	H ₂		R3000-...J.O11
methane	CH ₄		R3000-...J.O13
natural gas *3			R3000-...J.O14
oxygen	O ₂		R3000-...J.O15
propane	C ₃ H ₆		R3000-...J.O16
nitrous oxide	N ₂ O		R3000-...J.O17
water	H ₂ O		R3000-...J.O1W
flange connection	see end of the chapter / flanges		R3000-...J.O1F.



Accessories

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



BW00-59S

*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