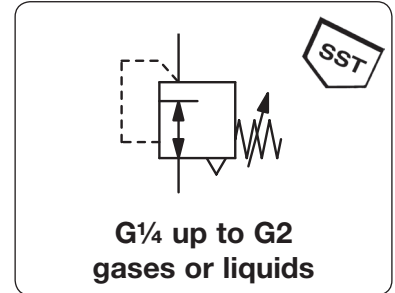


Volume Booster Made of Stainless Steel Throughout, up to 50 bar

R3000-J

Description	Volume booster made of stainless steel throughout, without constant bleed, transmission ratio 1:1.
Media	compressed air, gases or liquids
Supply voltage	max. 50 bar
Pilot pressure	max. 15 bar at R3000-...J2, max. 50 bar at R3000-...J5, pilot port G¼
Relieving function	non-relieving, optionally relieving
Exhaust	DN 2, optionally DN 4
Gauge port	G¼ on both sides of the body, one screw plug supplied
Mounting position	any
Temperature range	0 °C to 60 °C / 32 °F to 140 °F, optionally high temperature version up to 130 °C / 266 °F
Material	Body: stainless steel 316L, material no. 1.4404 O-rings: FKM, optionally NBR/Buna-N or EPDM Diaphragm: NBR/Buna-N with PTFE coating, optionally stainless steel Inner valve: stainless steel 316L, material no 1.4404



Dimensions			Reg. system	K _v	Flow		Connection	Pilot	Pressure	Order
A	B	C	D: diaphragm	value	rate	rate	thread	pressure	range	number
mm	mm	mm	P: piston	(m³/h)	m³/h*1	l/min*1	G	max. bar	bar	

Stainless steel booster

supply pressure max. 50 bar, non-relieving, ratio 1:1, PTFE diaphragm and FKM o-ring

R3000-J

65	84	36	D	0.5	30	500	G¼	15	1...15	R3000-02J2T
			P					50	1...50	R3000-02J5T
80	84	38	D	1.0	72	1200	G½	15	1...15	R3000-04J2T
			P					50	1...50	R3000-04J5T
130	136	65	D	5.0	360	6000	G¾	15	1...15	R3000-06J2T
			P					50	1...50	R3000-06J5T
130	136	65	D	5.5	390	6500	G1	15	1...15	R3000-08J2T
			P					50	1...50	R3000-08J5T
200	210	65	P	12	840	14000	G1½	50	1...50	R3000-12J5T
200	210	65	P	12.6	900	15000	G2	50	1...50	R3000-B6J5T
200	265	63	P	21	1500	25000	G2	50	1...50	R3000-16J5T



R3000-02J2T, accessory: gauge



R3000-04J2T, accessory: gauge



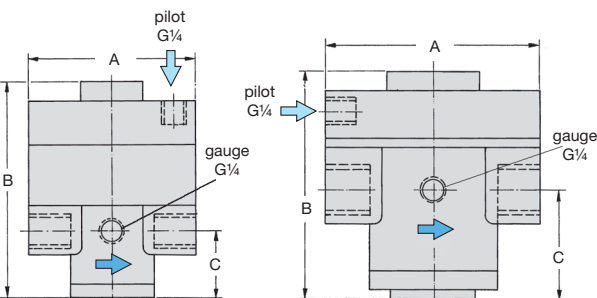
R3000-08J2T, accessory: gauge

Special options, add the appropriate letter

supply pressure 30 bar	instead of 50 bar	for range 1...15 bar, up to G1	R3000-...J1
relieving diaphragm		for R3000-02J2 to -08J2	R3000-...J2..R
relieving piston		for R3000-12J, -16J and -...J5	R3000-...J..R
up to 130 °C / 266 °F	high temperature version		R3000-...J..X54
FKM o-ring	for piston regulator or PTFE diaphragm		R3000-...J..T
NBR/Buna-N o-ring			R3000-...J..TB
EPDM o-ring			R3000-...J..TE
SST diaphragm	FKM o-ring		R3000-...J..S
	NBR/Buna-N o-ring		R3000-...J..SB
	EPDM o-ring		R3000-...J..SE
tapped exhaust			R3000-...J..X12
nitrogen N ₂ : 07	ammonia NH ₃ : 02	carbon dioxide CO ₂ :	R3000-...J..03
argon Ar: 05	helium He: 09	hydrogen H ₂ :	R3000-...J..11
methane CH ₄ : 13	oxygen O ₂ : 15	propane C ₃ H ₈ :	R3000-...J..16
	nitrous oxide N ₂ O: 17	water H ₂ O:	R3000-...J..W
flange connection	see end of the chapter / flanges		R3000-...J..F.

Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G¼	for G¼ and G½	MS5002-...*2
	Ø 63 mm, 0...*2 bar, G¼	for G¾ to G2	MS6302-...*2
mounting bracket		for G¾ and G1	BW00-27S

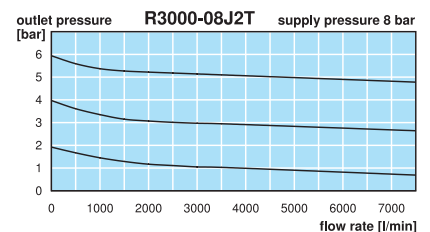
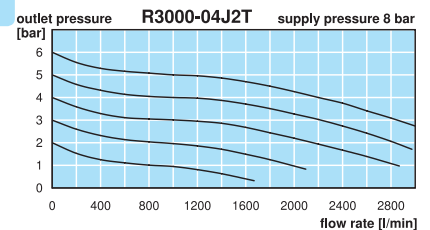


R3000-02J/-04J

R3000-06J...-16J

BW00-27S

*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



Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
R3000-02J2T