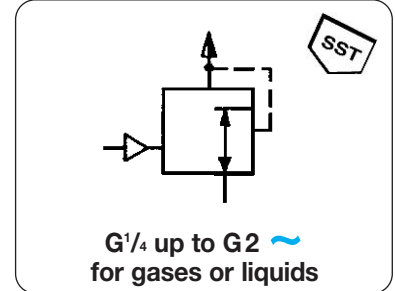


Description	Volume booster of solid design for converting a low flow pressure signal into a high flow pressure outlet. Of corrosion-resistant materials compatible with acid gases and for use in off-shore environments. Typical applications include petrochemical processing, chemical plants, food processing and pulp and paper mills. max. 30 bar / 440 psi with diaphragm, max. 50 bar / 740 psi with piston, except R3130	
Supply pressure	Water, liquids, compressed air, corrosive gases, depending on used materials and relieving/non relieving facility.	
Media	no constant bleed, no consumption	
Gauge ports	relieving as standard, relieving as option	
Air consumption	for booster with stainless steel diaphragm and seals of:	
Relieving	NBR: -30°C to 90°C/190°F	FPM/Viton: -20°C to 120°C/250°F
Temperature range	EPDM: -30°C to 130°C/260°F	FPM/Viton: 20°C to 120°C/250°F
Diaphragm	Viton or Teflon on NBR (Buna N), relieving or non-relieving	CR/Neoprene: -20°C to 100°C/210°F
	Stainless steel not for liquids, non-relieving	MVQ/silicone: -50°C to 100°C/210°F
	R3130 only with piston instead of diaphragm	up to G1
	R3128 with Teflon/NBR diaphragm and NBR seals	up to G1
		G1½ and G2
Materials	Body, spring cage, 316 stainless steel	only G2
		spring, 304 stainless steel

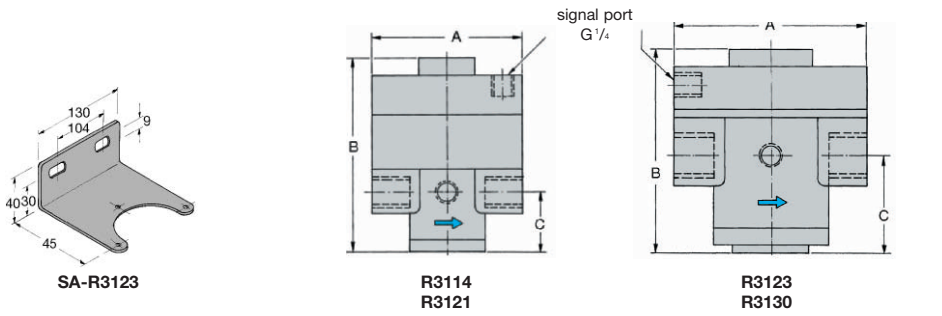


Dimensions			System	K _v -value	Flow rate	Supply pressure	Pressure range	Connection	Order number
A	B	C	D: diaphragm P: piston	(m³/h)	l/min*	max. bar	bar	thread	
mm	mm	mm						bar	

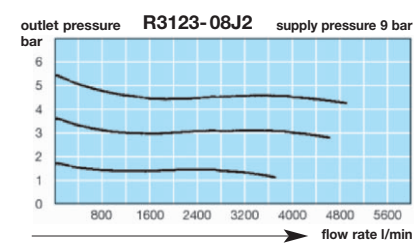
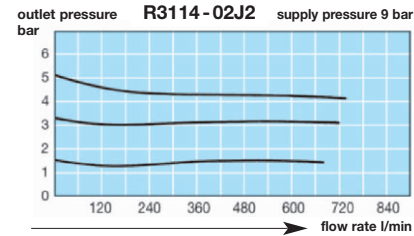
Pressure regulator			with Teflon and Viton elastomers		non-relieving,		without gauge		R3000J	
65	84	36	D	0.5	650	30	1...15	G ¹ / ₄	R3114-02J1T	
			D			50	1...15		R3114-02J2T	
			P			50	3...50		R3114-02J5T	
80	84	38	D	1.0	1200	30	1...15	G ¹ / ₂	R3121-04J1T	
			D			50	1...15		R3121-04J2T	
			P			50	3...50		R3121-04J5T	
130	136	65	D	5.0	6000	30	1...15	G ³ / ₄	R3123-06J1T	
			D			50	1...15		R3123-06J2T	
			P			50	3...50		R3123-06J5T	
130	136	65	D	5.5	6500	30	1...15	G1	R3123-08J1T	
			D			50	1...15		R3123-08J2T	
			P			50	3...50		R3123-08J5T	
200	210	65	P	12.0	14000	30	1...15	G1½	R3130-12J2T	
			P			50	3...50		R3130-12J5T	
200	210	65	P	12.6	15000	30	1...15	G2	R3130-16J2T	
			P			50	3...50		R3130-16J5T	



Special options	add the appropriate letter	
diaphragm relieving	for regulator ..J1	R R3... ..J1.R
piston relieving	for regulator ..J2 - ..J5	R R3... ..J..R
pressure gauge	Ø63, rearside G ¹ / ₄ , bar/MPa of stainless steel	G R3... ..J..G
tapped exhaust		E R3... ..J..E
Viton diaphragm	and Viton O-ring	V R3... ..J..V
Teflon diaphragm	and Viton O-ring, standard	T R3... ..J..T
	and EPDM O-ring	TE R3... ..J..TE
stainless steel diaphragm	and NBR O-ring	S R3... ..J..S
(non-relieving only)	and Viton O-ring	SV R3... ..J..SV
	and EPDM O-ring	SE R3... ..J..SE
for water	Teflon diaphragm	W R3... ..J..W
	stainless steel piston	W R3... ..J..W
with mounting bracket	SA-R3123 for booster G ³ / ₄ and G1	X R3123- ..J..X
with flange	DN15 (G ¹ / ₂) DN20 (G ³ / ₄) DN25 (G1) DN40 (G1½)	F R3... -08J..F F R3... -16J..F



* at 7 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop



For your information:	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch	Pressure gauge: see end of chapter
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm	

Order example:
R3114-02J2T