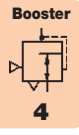
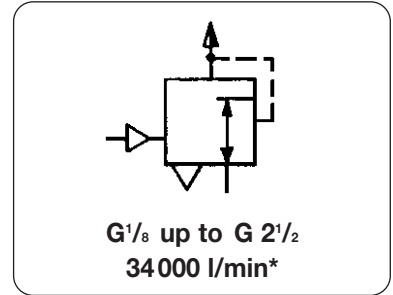


Volume Booster with High Flow Capacity

R119-J

Description	Pilot-operated regulator adapted for control by small remote pilot regulator or by proportional pressure valve. Ideal for continuous high-capacity requirements where reduced pressure must be held constant over wide variations in flow. Small constant bleed is necessary for better function. Booster with diaphragm up to 1 1/2", with piston 2" and 2 1/2".		
Remote control	With pilot regulator e.g. R10-02D or "AirTronic" PRA00-1000 proportional pressure valve.		
Pressure range	0.2 ... 18 bar, max. 90% of supply pressure	Air consumption: only at pilot side from G 3/4 to G2	
Relieving	standard,	non-relieving as option	
Gauge port	1/2" on both sides of the body,	gauge with extended nipple, plug supplied	
Supply pressure	max. 21 bar / 300 psi, min. 10% higher than outlet pressure, max. 28 bar at 50 °C		
Temperature range	-30 °C to 70 °C / -22 °F to 160 °F		
Materials	Body: zinc die-casting	Diaphragm and seals: NBR (Buna N)	Inner valve: brass

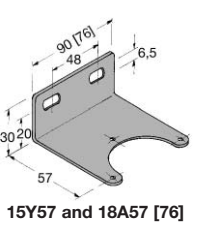
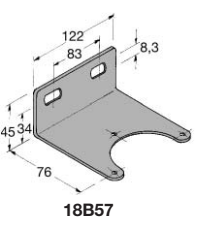


Dimensions	Nominal size	K _v -value	Flow rate	Connection thread	Order number					
						B	H	C	mm	mm

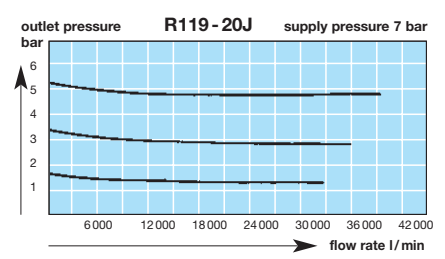
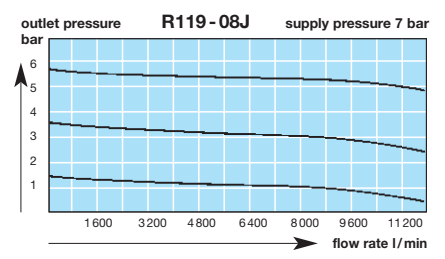
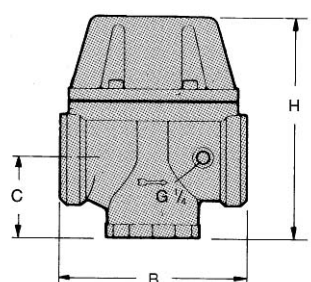
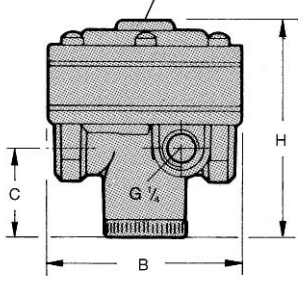
Volume booster						supply max. 21 bar, relieving range 0.2 - 18 bar, w/o gauge			R119-J
70	86	35	DN 5	2.1	1 700	102	G 1/4	R119-02J	
70	86	35	DN10	2.8	2 500	150	G 3/8	R119-03J	
82	100	38	DN15	5.0	5 600	340	G 1/2	R119-04J	
112	124	49	DN20	7.6	9 000	540	G 3/4	R119-06J	
112	124	49	DN25	8.4	10 000	600	G 1	R119-08J	
126	132	48	DN28	9.2	11 000	660	G 1 1/4	R119-10J	
126	132	48	DN32	10.0	12 000	720	G 1 1/2	R119-12J	
186	225	79	DN40	35.4	42 000	2 520	G 2	R119-16J	
186	225	79	DN50	37.1	44 000	2 640	G 2 1/2	R119-20J	



Special options	add the appropriate letter			Accessories	
pressure gauge	Ø50 up to G 1 1/2	all other Ø63		G	R119-...JG
non-relieving				K	R119-...JK
for oxygen	clean			O	R119-...JO
with flange	DN15 (G 1/2)	DN20 (G 3/4)	DN25 (G1)	F	R119-08JF
	DN40 (G1 1/2)	DN50 (G2)	DN65 (G2 1/2)	F	R119-20JF
Viton elastomer	FPM only for G 1/2, inner parts of brass			X64	R119-04JX64
w/o air consumption	in the pilot chamber		only G 3/4 - G2	X71	R119-04JX71
mounting bracket	15Y57 for G 1/4 and G 3/8		18A57 for G 1/2	X	R119-...JX
mounting bracket	18B57 for G 3/4 up to G 1 1/2			X	R119-...JX



regulator size	signal port
G 1/2 and G 3/8	G 1/8
> G 1/2	G 1/4



* at 7 bar supply pressure and 6 bar outlet pressure

For your information:	1 bar: 14.8 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch	Pressure gauge: Please consult chapter "Gauges"
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm	

Order example:
R119-10J