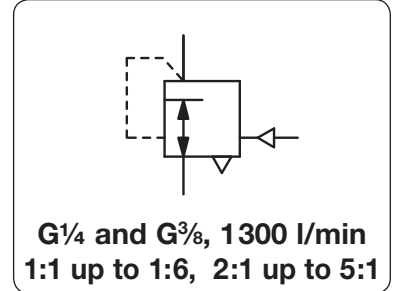


Description	The volume booster amplifies the volume at a 1:1 ratio of pilot pressure to outlet pressure. The pilot pressure has no constant bleed and shows the same function as a spring in a common regulator: generating counter pressure on the diaphragm.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 17 bar	
Pilot pressure	max. 10 bar at 1:1 ratio, 5 bar at 1:2, 3.3 bar at 1:3, 2.5 bar at 1:4, 1.7 bar at 1:6	Pilot port G $\frac{1}{4}$
Accuracy	at supply pressure variation of 7 bar: < 7 mbar pressure deviation	
Air consumption	max. 3 l/min, subject to outlet pressure	
Relief capacity	310 l/min at 1.5 bar outlet and 0.35 bar overpressure above setpoint	
Gauge port	G $\frac{1}{4}$ on both sides of the body, screw plugs supplied	
Temperature range	0 °C to 80 °C / 32 °F to 176 °F, NBR, for appropriately conditioned compr. air down to -40 °C / -40 °F	Relieving function relieving
Material	Body: aluminium die-cast Inner valve: brass and zinc-plated steel	Mounting position any Elastomer: NBR/Buna-N, optionally FKM



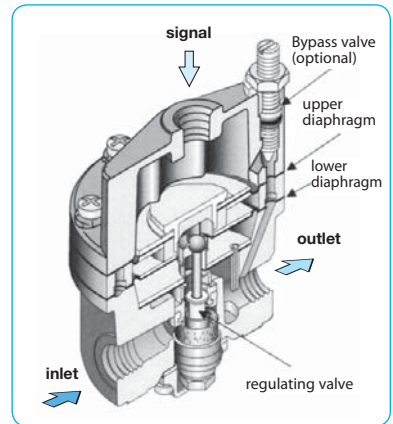
Dimensions			K _v -value	Flow rate	Connection	Pilot pressure	Transmission ratio	Order number
A	B	C	(m ³ /h)	m ³ /h*1	thread	max. bar	signal : outlet	
mm	mm	mm		l/min*1	G			

Booster			with transmission ratio, relieving, with constant bleed, pressure range 0...10 bar				R208		
76	98	24	0.7	78	1300	G $\frac{1}{4}$	10	1 : 1	R208-02I
							5.0	1 : 2	R208-02K
							3.3	1 : 3	R208-02L
76	110	24	0.7	78	1300	G $\frac{1}{4}$	2.5	1 : 4	R208-02M
							2.0	1 : 5	R208-02N
							1.7	1 : 6	R208-02O
76	98	24	0.7	78	1300	G $\frac{1}{4}$	10	2 : 1	R208-02R
								3 : 1	R208-02S
76	110	24	0.7	78	1300	G $\frac{1}{4}$	10	4 : 1	R208-02T
								5 : 1	R208-02U



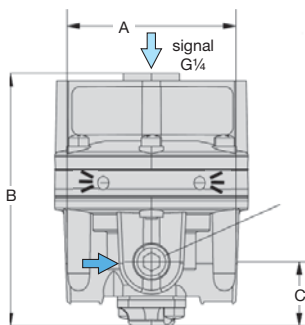
R208

Special options, add the appropriate letter		
G $\frac{3}{8}$	connection thread	R208-03 .
NPT	connection thread	R208-02 .N
non-relieving*3	without relieving function	R208-02 .K
tapped exhaust*3	connection thread G $\frac{1}{4}$	R208-02 .X12
bypass with restrictor	between control chamber and outlet, 1:1 only	R208-02 .X16
negative bias*3	preset to -0,24 bar, adjustable by 30 mbar	R208-02 .Y
silicone elastomer	supply pressure max. 5 bar, 1:1 only	R208-02 .A
FKM elastomer		R208-02 .V

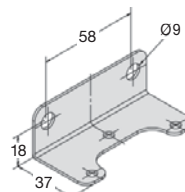


cross section

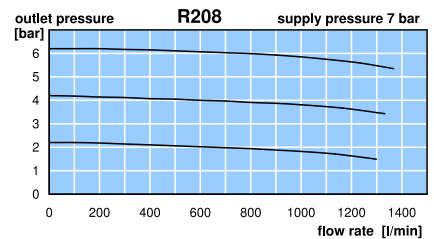
Accessories		
pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	MA5002-...*2
mounting bracket	made of steel	BW00-34



R208



BW00-34



*1 at 7 bar supply pressure and 1.4 bar outlet pressure
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar

*3 only for 1:1, 1:2, 1:3, 2:1 and 3:1