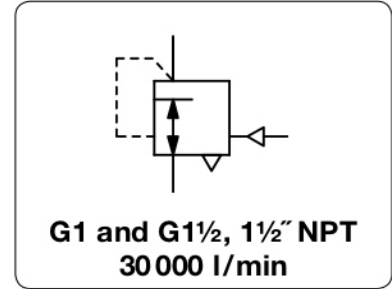


R200 - R201 - Régulateur piloté en pression avec orifice de décompression taraudé et offset réglable sur la valeur de consigne

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. The bias spring at booster R200 generates a positive shift of the pressure range between pilot pressure and outlet pressure. Booster R201 with great relief capacity is a combination of two R200 boosters. When the output pressure increases above the signal pressure, the diaphragm assembly moves upward to close the supply valve and open the exhaust valve. Excess output pressure exhausts through the exhaust port until it reaches the setpoint.	
Media	compressed air or non-corrosive gases	Supply pressure max. 17 bar
Pilot pressure	max. 10 bar, pilot port G $\frac{1}{4}$ " at R200; $\frac{1}{4}$ " NPT at R201	
Accuracy	at supply pressure variation of 7 bar: < 20 mbar pressure deviation without constant bleed	Response sensitivity 30 mbar relieving, optionally non-relieving
Air consumption	without constant bleed	Relieving function 1800 l/min at 0.3 bar overpressure above setpoint at R200; 9 000 l/min at R201
Relief capacity	1800 l/min at 0.3 bar overpressure above setpoint at R200; 9 000 l/min at R201	Mounting position any
Gauge port	G $\frac{1}{4}$ " on both sides of the body at R200; $\frac{1}{4}$ " NPT at R201	
Temperature range	0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F	
Material	Body: aluminium die-cast Elastomer: NBR/Buna-N-/Dacron, optionally FKM Inner valve: stainless steel, cadmium-plated steel and brass	



Dimensions			K _v -value (m ³ /h)	Flow rate m ³ /h*1 l/min*1	Connection thread G	Supply pressure max. bar	Pressure range bar	Order number
A mm	B mm	C mm						

Booster w. high volume flow								supply pressure max. 17 bar, relieving, without constant bleed, transmission ratio 1:1	R200
141	198	57	11.4	1680	28000	G1	17	0...10	R200-08I
141	198	57	12.2	1800	30000	G1½	17	0...10	R200-12I

Booster w. high exhaust capacity								supply pressure max. 17 bar, relieving, without constant bleed, transmission ratio 1:1	R201
250	240	57	12.2	1800	30000	1½" NPT	17	0...10	R201-12I



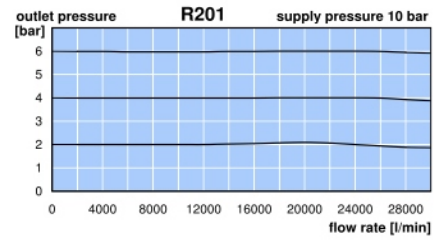
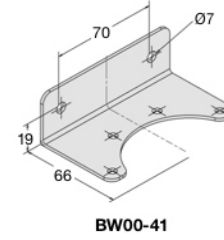
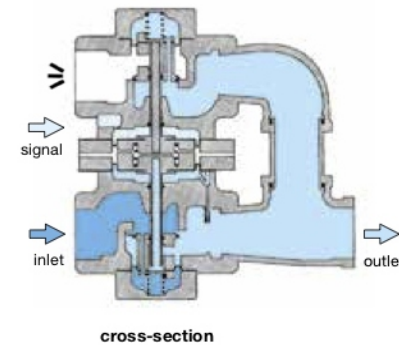
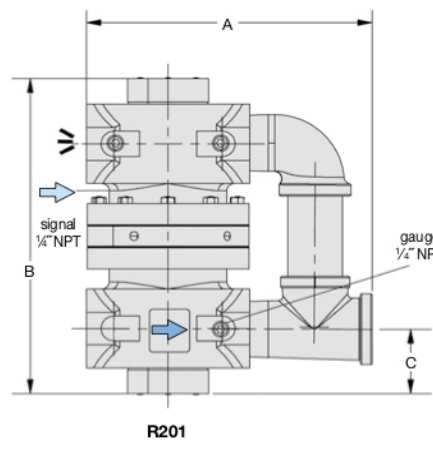
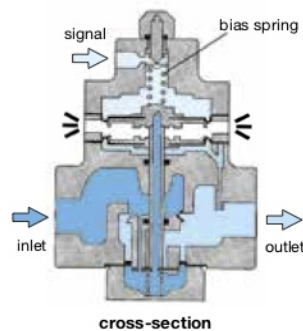
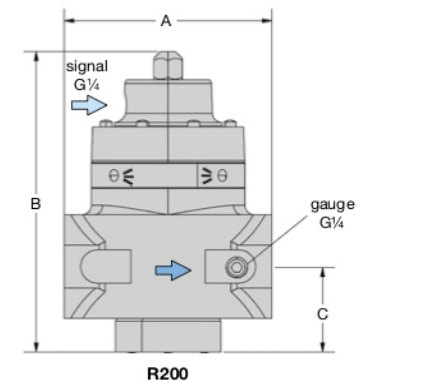
Special options, add the appropriate letter

NPT	connection thread	for R200	R200-..IN
non-relieving	without relieving function	for R200	R200-..IK
tapped exhaust	connection thread G $\frac{3}{8}$ "	for R200	R200-..IX12
FKM elastomer		for R200	R200-..IV



Accessories, enclosed

pressure gauge	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$ "	MA6302-..*2
adapter	$\frac{1}{4}$ " NPT male / G $\frac{1}{4}$ " female	for R201 VP-0202N
mounting bracket	made of steel	for R200 BW00-41



*1 at 10 bar supply pressure and 2.8 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

