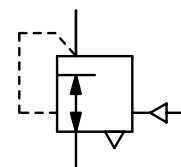


<b>Description</b>	The volume booster amplifies the volume at a 1:1 ratio of pilot pressure to outlet pressure. The pilot pressure has no constant bleed. The bias spring at booster R200 generates a positive shift of the pressure range between pilot pressure and outlet pressure. Booster R201 with great 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.		
<b>Media</b>	compressed air or non-corrosive gases		
<b>Pilot pressure</b>	max. 10 bar, pilot port G $\frac{1}{4}$ at R200; $\frac{1}{4}$ " NPT at R201		
<b>Accuracy</b>	at supply pressure variation of 7 bar: < 20 mbar pressure deviation		
<b>Air consumption</b>	without constant bleed		
<b>Relief capacity</b>	1 800 l/min at 0.3 bar overpressure above setpoint at R200, 9 000 l/min at R201		
<b>Gauge port</b>	G $\frac{1}{4}$ on both sides of the body at R200; $\frac{1}{4}$ " NPT at R201		
<b>Temperature range</b>	0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F		
<b>Material</b>	Body: aluminium die-cast Elastomer: NBR/Buna-N-/Dacron, optionally FKM Inner valve: stainless steel, cadmium-plated steel and brass		



**G1 and G1½, 1½" NPT  
30 000 l/min**

Dimensions	K <sub>v</sub> -value	Flow rate	Connection thread	Supply pressure	Pressure range	Order number
A B C	(m³/h)	m³/h*1 l/min*1	G	max. bar	bar	
mm mm 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

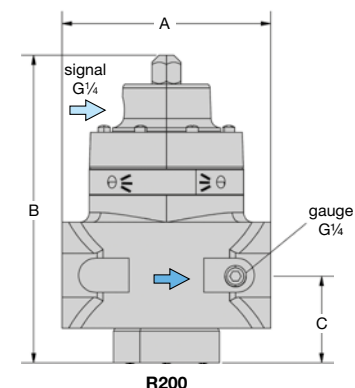
Booster w. high exhaust capacity							supply pressure max. 17 bar, relieving, without constant bleed, transmission ratio 1:1		R201
250	240	57	12.2	1800	30000	1½" NPT	17	0...10	R201-12I

## Special options, add the appropriate letter

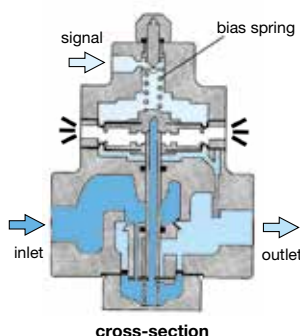
<b>NPT</b>	connection thread	for R200	R200-...IN
<b>non-relieving</b>	without relieving function	for R200	R200-...IK
<b>tapped exhaust</b>	connection thread G $\frac{3}{8}$	for R200	R200-...IX12
<b>FKM elastomer</b>			R20-...IV

## Accessories, enclosed

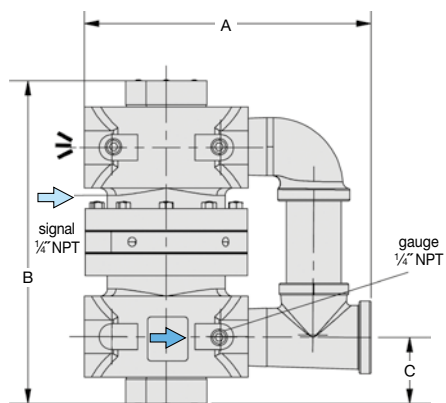
<b>pressure gauge</b>	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	<b>MA6302-...*2</b>
<b>adapter</b>	¼" NPT male / G $\frac{1}{4}$ female	<b>VP-0202N</b>
<b>mounting bracket</b>	made of steel	<b>BW00-41</b>



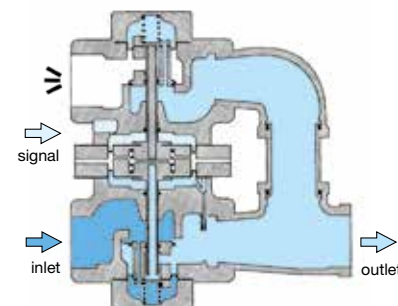
R200



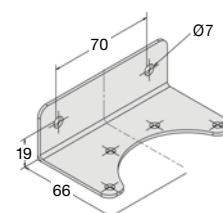
cross-section



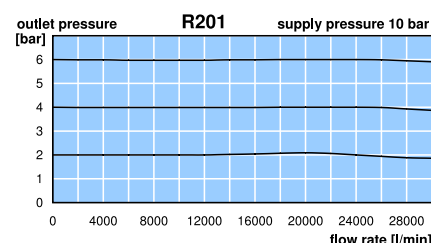
R201



cross-section



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

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net

\* Product group



Order example:  
R200-08I