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.

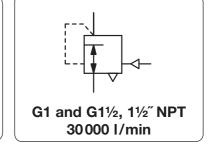
Media compressed air or non-corrosive gases Pilot pressure

Supply pressure max, 17 bar

max. 10 bar, pilot port G¼ at R200; ¼" NPT at R201 at supply pressure variation of 7 bar: < 20 mbar pressure deviation Response sensitivity 30 mbar Accuracy without constant bleed Relieving function relieving, 1 800 l/min at 0.3 bar overpressure above setpoint at R200, 9 000 l/min at R201 Air consumption relieving, optionally non-relieving Relief capacity

G¼ on both sides of the body at R200; 1/4" NPT at R201 Mounting position any 0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F

Body: aluminium die-cast Elastomer: NBR/Buna-N-/Dacron, optionally FKM Inner valve: stainless steel, cadmium-plated steel and brass



Dimensions			K _v -	Flow	Connection	Supply	Pressure	Order
Α	В	С	value	rate	thread	pressure	range	number
mm	mm	mm	(m³/h)	m³/h*1	G	max. bar	bar	

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	28 000	G1	17	010	R200-08I
141	198	57	12.2	1800	30 000	G1½	17	010	R200-12I

Booster w. high exhaust capacity supply pressure max. 17 bar, relieving, without constant bleed, transmission or **R201**

12.2 1800 30000 1½" NPT R201-12I 0...10



R200

Special options, add the appropriate letter

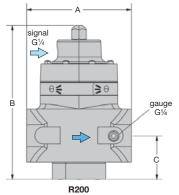
connection thread for R200 R200-..IN non-relieving without relieving function for R200 R200-..I**K** tapped exhaust connection thread G3/k for R200 R200-..IX12 for R200 **FKM** elastomer R200-..IV

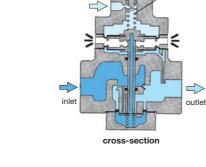
Accessories

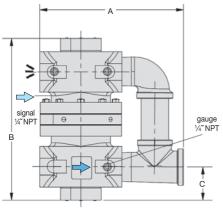
Gauge port

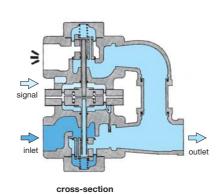
Temperature range Material

Ø 63 mm, 0...*2 bar, G1/4 MA6302-..*2 pressure gauge 1/4" NPT male / G1/4 female for R201 VP-0202N adapter BW00-41 mounting bracket made of steel for R200



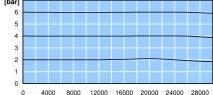






bias spring





*1 at 10 bar supply pressure and 2.8 bar outlet pressure

R201

*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar







R201



flow rate [l/min]

supply pressure 10 bar