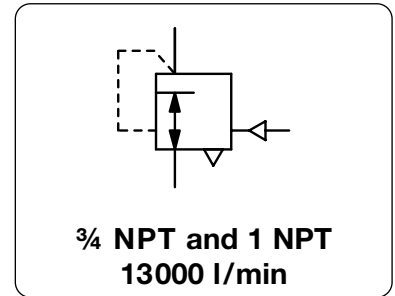


Description	The volume booster amplifies the volume at a 1:1 ratio of pilot pressure to outlet pressure. The booster is robust, highly accurate and sensitive. The hysteresis between the outlet pressure and the relieving pressure is very small and constant. Caused by the inlet pressure compensation of the control valve the regulator is stable against fluctuations in inlet pressure vibrations due to sudden changes of the volume flow are prevented by damping in the diaphragm chamber.	
Media	compressed air or non-corrosive gases	Supply pressure max. 17 bar
Pilot pressure	max. 10 bar	
Accuracy	response sensitivity 15 mbar	
Internal air consumption	no internal air consumption	Relieving function relieving, tapped exhaust function ¼ NPT
Relief capacity	4245 l/min at 0.35 bar overpressure above setpoint	
Gauge port	¼ NPT on both sides of the body	Mounting position any
Temperature range	-40 - 93 °C; optional -52 °C	
Material	Body: aluminium die-cast Inner valve: aluminium and galvanized steel	Elastomer: NBR



Dimensions			K _v - Value	Flow rate	Connection thread	Pilot pressure max. bar	Transmission ratio signal : outlet	Order number
A	B	C						
mm	mm	mm	(m ² /h)	m ³ /h*1	l/min*1	G		

Booster			Transmission ratio 1:1, inlet pressure max. 17 bar reversible, without internal air consumption				R600		
117	177	45	8	690	11500	¾"NPT	17	0 ... 10	R600-06N
			9	780	13000	1"NPT	17	0 ... 10	R600-08N



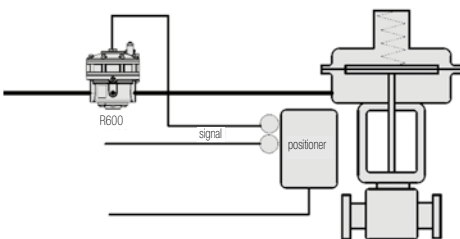
R600

Special options, add the appropriate letter

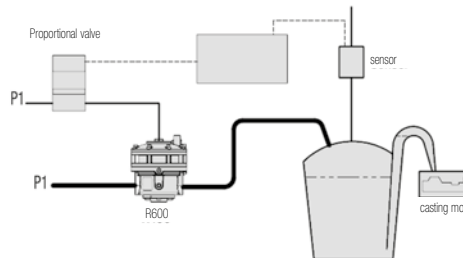
Low Temperature Option		R600-0.NX51
Body	made of stainless steel (s. page 15.20)	R601

Accessories, enclosed

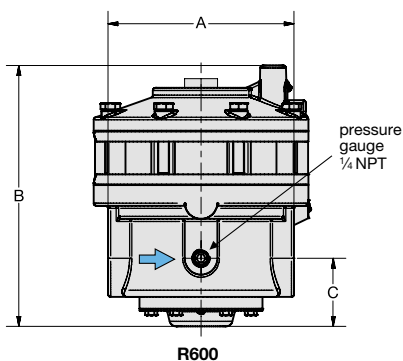
pressure gauge	Ø 63 mm, 0...*2 bar, G¼	MA6302-..*2
connection part pressure gauge	¼"NPTa-G¼	VP-0202N
mounting bracket		BW00-66



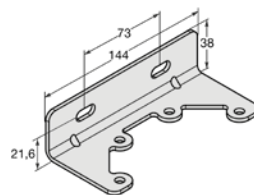
Volume flow booster with single-acting positioner and diaphragm actuator



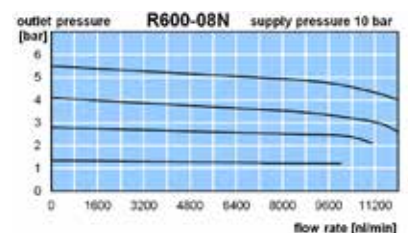
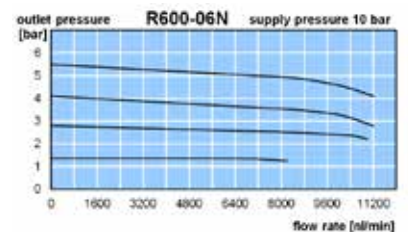
Volume flow booster in a casting plant



R600



BW00-66



*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

Gauges: see chapter for measuring devices
Stainless steel version in chapter 15

PDF CAD
www.aircom.net

* Product group



Order example:
R600-06N

Booster

6