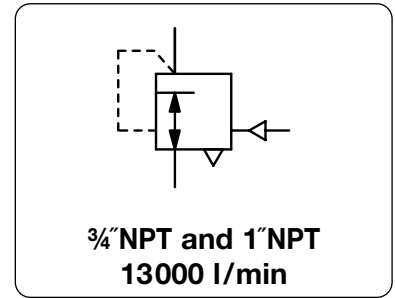


Description	The volume booster amplifies the volume at a 1:1 ratio of pilot pressure to outlet pressure. The booster is robust, highly accurate and sensitive. The hysteresis between the outlet pressure and the relieving pressure is very small and constant. Caused of the inlet pressure compensation of 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 3/4 NPT
Relief capacity	4245 l/min at 0.35 bar overpressure above setpoint		
Gauge port	1/4" NPT on both sides of the body	Mounting position	any
Temperature range	-40 bis 93 °C; optional -52 °C		
Material	Body and inner valve stainless steel 316L	Elastomer:	NBR



Dimensions			K _v -value	Flow stream	Connection thread	Supply pressure	Pilot pressure	Order number
A	B	C	(m ² /h)	m ³ /h*1	NPT	max. bar	signal : outlet	
mm	mm	mm		l/min*1				

Booster								Transmission ratio 1:1, inlet pressure max. 17 bar, reversible, with internal air consumption		R601
117	177	45	8	690	11500	3/4" NPT	17	0 ... 10		R601-06N
			9	780	13000	1" NPT	17	0 ... 10		R601-08N



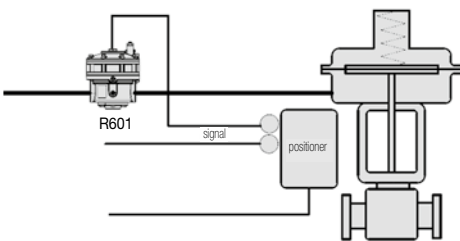
R601

Special options, add the appropriate letter

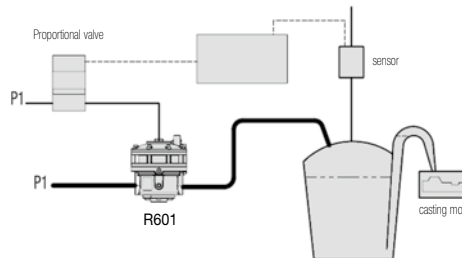
Low Temperature Option to -52 °C R600-0.NX51

Accessoires, enclosed

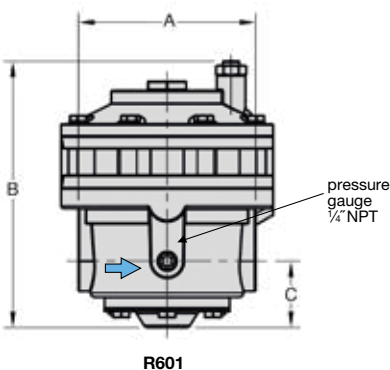
Pressure gauge Ø 63 mm, 0...*2 bar, G1/4 MA6302-..*2
 Connection part pressure gauge 1/4" NPTa-G1/4 VP-0202N
 Mounting bracket BW00-66S



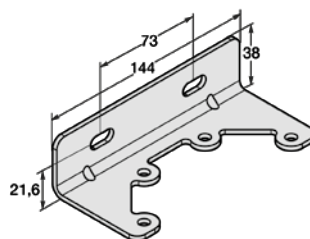
Volume flow booster with single-acting positioner and diaphragm actuator



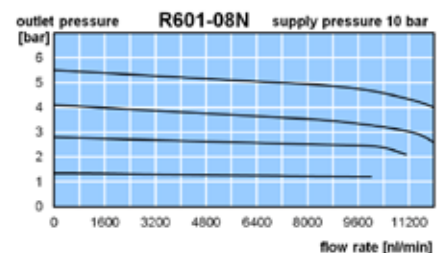
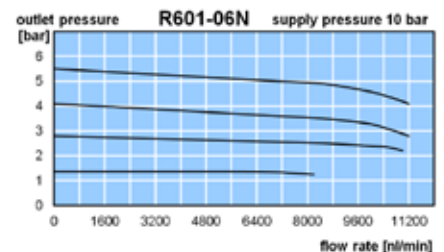
Volume flow booster in a casting plant



R601



BW00-66S



*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

PDF CAD
www.aircom.net

* Product group



Order example:
R601-06N