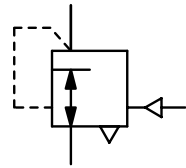


Description	The volume booster amplifies the volume at a 1:1 ratio of pilot pressure to outlet pressure. The booster is robust, highly accurate and sensitive. The hysteresis between the outlet pressure and the relieving pressure is very small and constant. Caused of the inlet pressure compensation of 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		
Pilot pressure	max. 10 bar	Supply pressure	max. 17 bar
Accuracy	response sensitivity 15 mbar		
Air consumption	no air consumption	Relieving function	relieving, tapped exhaust function ¼ NPT
Relief capacity	4245 l/min at 5 bar outlet pressure and 0.35 bar over pressure		
Gauge port	¼" NPT on both sides of the body		
Temperature range	-40 to 93 °C / -72 to 167.4 °F; optionally to -52 °C / -93.6 °F	Mounting position:	any
Material	Body and inner valve stainless steel 316L		Elastomer: NBR



¾" NPT and 1" NPT
13000 l/min

Dimensions			K _v -value	Flow rate		Connection thread	Supply pressure	Pilot pressure	Order number
A	B	C	(m³/h)	m³/h*1	l/min*1	NPT	max. bar	signal : outlet	
mm	mm	mm							

Booster							Transmission ratio 1:1, inlet pressure max. 17 bar, reversible, without internal air consumption			R601
117	177	45	8	690	11500	¾" NPT	17	0 ... 10		R601-06N
			9	780	13000	1" NPT	17	0 ... 10		R601-08N



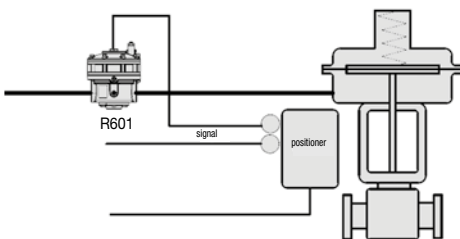
R601

Special options, add the appropriate letter

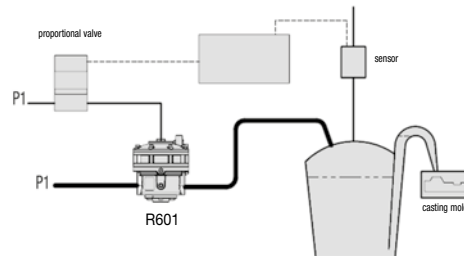
Low temperature option to -52 °C / -93 °F R600-0. NX51

Accessories, enclosed

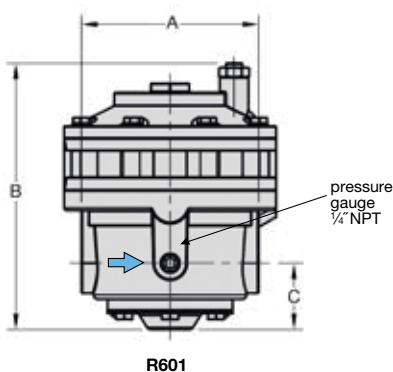
Pressure gauge Ø 63 mm, 0...*2 bar, G¼
Connection part pressure gauge adapter ¼" NPTa-G¼ female
Mounting bracket
MA6302-..*2
AM-07S
BW00-66S



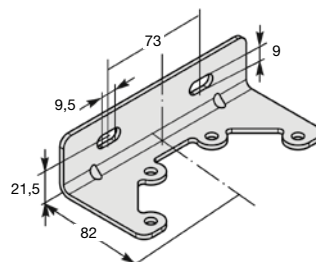
Volume flow booster with single-acting positioner and diaphragm actuator



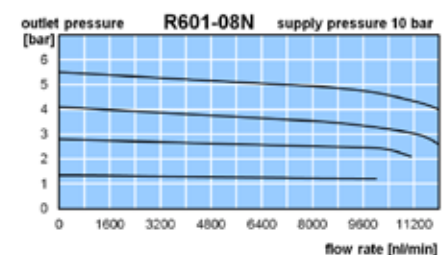
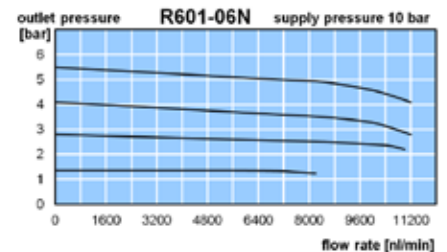
Volume flow booster in a casting plant



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

Gauge: see chapter for measuring devices

PDF CAD
www.aircom.net

* Product group



Order example:
R601-06N