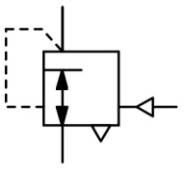
R601 - Régulateur piloté en pression, de précision et faible hystéresis, en acier inoxydable 316L

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 outletpressure 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		
Air consumption	no air consumption	**Relieving function** relieving, tapped exhaust function ¾ 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	**Mounting position:** any	
Temperature range	-40 to 93 °C / -72 to 167.4 °F; optionally to -52 °C /-93.6 °F		
Material	Body and inner valve stainless steel 316L	Elastomer: NBR	



¾″NPT and 1″NPT
13000 l/min

Dimensions A mm	B mm	C mm	K_v-value (m³/h)	Flow rate m³/h*1	l/min*1	Connection thread NPT	Supply pressure max. bar	Pilot pressure signal : outlet	Order number
Booster						**Transmission ratio 1:1, inlet pressure max. 17 bar, reversible, without internal air consumption**			**R601**
117	177	45	8	690	11 500	¾″NPT	17	0 ...10	**R601-06N**
			9	780	13 000	1″NPT	17	0 ...10	**R601-08N**

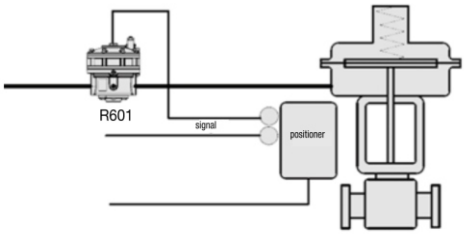
R601

Special options, add the appropriate letter

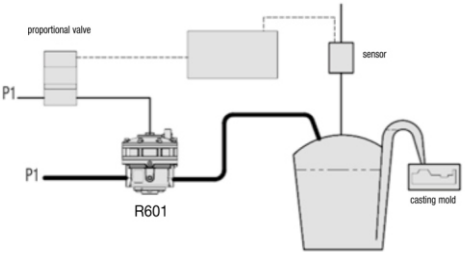
Low temperature option	to -52 °C / -93 °F	R600-0.N**X51**

Accessories, enclosed

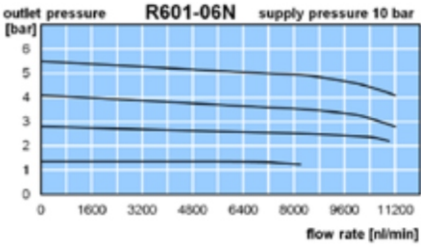
Pressure gauge	Ø 63 mm, 0…*2 bar, G¼	**MA6302-..*2**
Connection part pressure gauge	adapter ¼″NPTa-G¼ female	**AM-07S**
Mounting bracket		**BW00-66S**

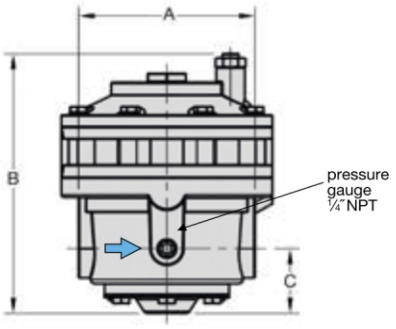


Volume flow booster with single-acting positioner and diaphragm actuator

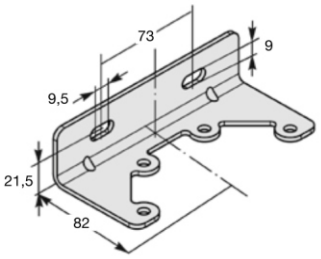


Volume flow booster in a casting plant

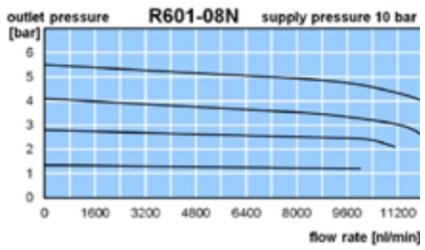




R601



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

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