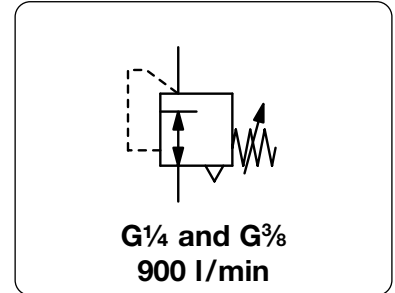


<b>Description</b>	Diaphragm pressure regulator of small and lightweight design with high flow capacity. It provides sensitive adjustment accurate to 2 mbar.	
<b>Media</b>	compressed air or non-corrosive gases	
<b>Supply pressure</b>	max. 18 bar	
<b>Accuracy</b>	setting accuracy:	< 2 mbar
	response sensitivity:	< 2 mbar
<b>Air consumption</b>	max. 3 l/min, subject to outlet pressure	
<b>Adjustment</b>	by handwheel with locknut	
<b>Relieving function</b>	relieving	
<b>Relief capacity</b>	55 l/min at 1.5 bar outlet and 0.35 bar overpressure above setpoint	
<b>Gauge port</b>	G $\frac{1}{8}$ on both sides of the body, screw plugs supplied	
<b>Temperature range</b>	0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F	
<b>Material</b>	Body:	aluminium die-cast
	Inner valve:	stainless steel, brass and steel
	Elastomer:	NBR/Buna-N, optionally FKM

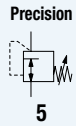


Dimensions			K <sub>v</sub> -value (m <sup>3</sup> /h)	Flow rate m <sup>3</sup> /h*1 l/min*1	Connection thread G	Pressure range bar	Order number
A	B	C					

Precision pressure regulator							supply pressure max. 18 bar, relieving with constant bleed	R300
57	133	25	0.5	54	900	G $\frac{1}{4}$	0.001 ... 0.14	<b>R300-020</b>
							0.01 ... 0.7	<b>R300-021</b>
							0.03 ... 2.0	<b>R300-02A</b>
							0.07 ... 4.0	<b>R300-02B</b>
							0.14 ... 7.0	<b>R300-02C</b>
57	133	25	0.5	54	900	G $\frac{3}{8}$	0.001 ... 0.14	<b>R300-030</b>
							0.01 ... 0.7	<b>R300-031</b>
							0.03 ... 2.0	<b>R300-03A</b>
							0.07 ... 4.0	<b>R300-03B</b>
							0.14 ... 7.0	<b>R300-03C</b>



R300

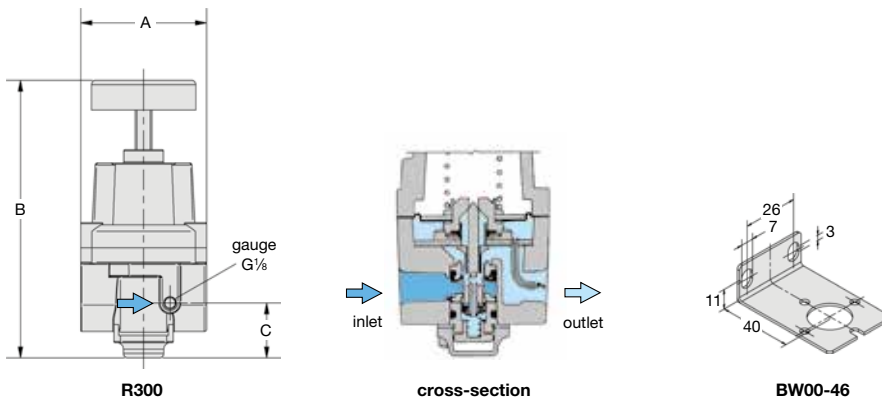
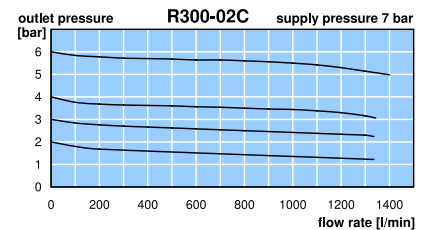
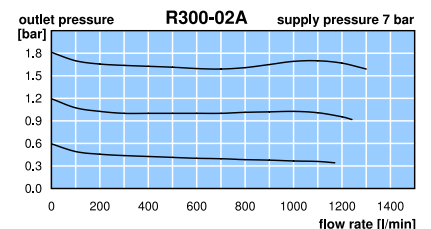
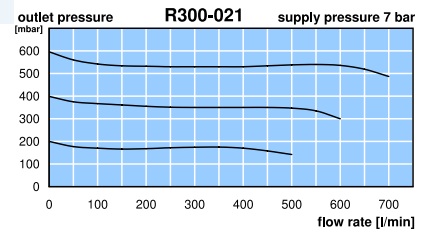
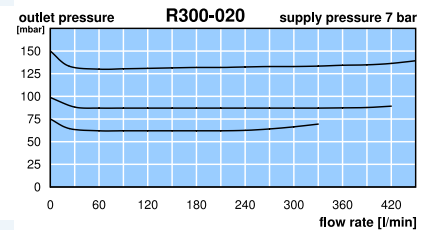


## Special options, add the appropriate letter

<b>without constant bleed</b>	non-relieving, for small flow rate	R300-0...K
<b>NPT</b>	connection thread	R300-0...N
<b>tamper-proof cap</b>	aluminium, adjustment by screwdriver, total height 141 mm	R300-0...T
<b>FKM elastomer</b>		R300-0...V
<b>for oxygen</b>	specialy cleaned, with oxygen grease	R300-0...K15

## Accessories, enclosed

<b>pressure gauge</b>	Ø 63 mm, 0... 160 mbar, G $\frac{1}{4}$ -connection parts required	<b>MA6302-C2</b>
<b>pressure gauge</b>	Ø 50 mm, 0...*2 bar, G $\frac{1}{8}$	<b>MA5001-...*2</b>
<b>gauge connection parts</b>	for MA6302-C2	<b>AM-04</b>
<b>mounting bracket</b>	made of steel	<b>BW00-46</b>



\*1 at 7 bar supply pressure and 1.4 bar outlet pressure  
\*2 01 = 0...1 bar, 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar, C2 = 160 mbar

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net

Order example:  
R300-020