

**Description** Diaphragm precision pressure regulator of very small design and low air consumption compressed air or non-corrosive gases

**Media** max. 10 bar

**Supply pressure** response sensitivity:  $\pm 0.2\%$  FS

**Accuracy** repeatability:  $\pm 0.3\%$  FS

**Air consumption** supply sensitivity: 35 mbar for a 7 bar supply pressure change

**Adjustment** max. 3 l/min at 10 bar supply pressure. Consumption depends on supply pressure.

**Relieving function** by handwheel with locknut

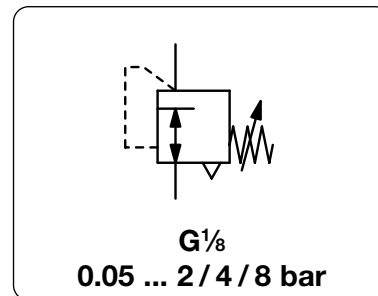
**Gauge port** relieving

**Mounting position** G $\frac{1}{8}$  on both sides of the body, screw plug supplied

**Temperature range** any

**Material** -18 °C to 71 °C / -0.4 °F to 159.8 °F

Body: zinc die-cast  
Elastomer: NBR/Buna-N  
Inner valve: stainless steel and brass



Dimensions			Flow rate	Supply pressure	Connection thread	Pressure range	Order number
A	B	C	l/min*1	max. bar	G / flange	bar	
mm	mm	mm					

## Precision pressure regulator

supply pressure max. 10 bar, relieving, with constant bleed

**R90**

35	94	10	200	10	G $\frac{1}{8}$	0.05...2	<b>R90-01A</b>
						0.08...4	<b>R90-01B</b>
						0.10...8	<b>R90-01C</b>



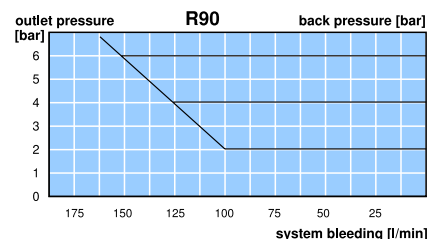
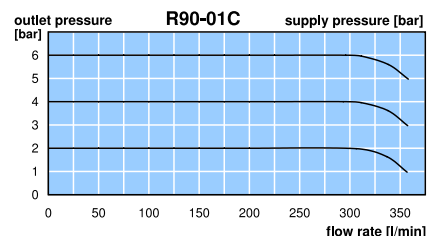
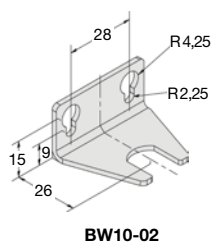
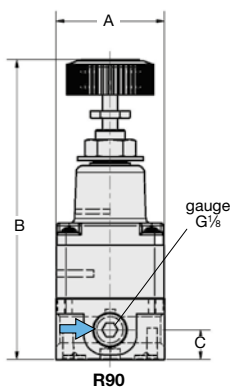
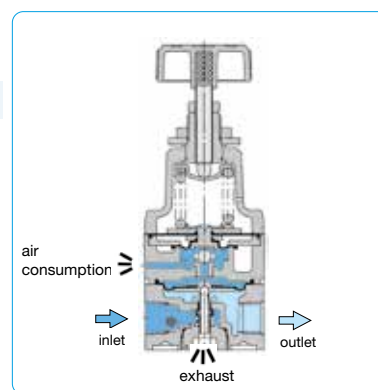
R90

## Special options, add the appropriate letter

<b>NPT</b>	connection thread	<b>R90-01.N</b>
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## Accessories, enclosed

<b>pressure gauge</b>	$\varnothing$ 23 mm, 0...*2 bar, G $\frac{1}{8}$	<b>MA2301-...*2</b>
<b>mounting bracket</b>	made of steel, mounting nut at the device	<b>BW10-02</b>



\*1 for compressed air : 7 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop  
\*2 04 = 0...4 bar, 10 = 0...10 bar

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net

\* Product group



Order example:  
**R90-01A**