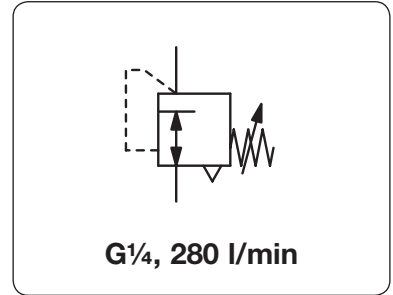


# Precision Pressure Regulator

11-819

<b>Description</b>	Precision pressure regulator designed for precise pressure control in the event of changes in flow and supply pressure. Due to constant bleed slight blow-off sounds existing.	
<b>Media</b>	dry, oil-free and 25 µm filtered compressed air	
<b>Supply pressure</b>	max. 8 bar for 0.02...0.5 bar,	max. 10 bar for 0.07...4 bar,
<b>Accuracy</b>	max. 14 bar for 0.4...10 bar	
	at varying supply pressures:	< 20 mbar pressure deviation
	at varying volume flows:	< 30 mbar pressure deviation
	at 5 °C / K temperature variation:	< 3 mbar pressure deviation
<b>Air consumption</b>	max. 2 l/min, subject to outlet pressure	
<b>Adjustment</b>	by handwheel for panel mounting, optionally by spindle	
<b>Relieving function</b>	relieving, 3 mm exhaust diameter	
<b>Gauge port</b>	G¼ on both sides of the body, optionally without gauge port	<b>Mounting position</b> any
<b>Temperature range</b>	0 °C to 70 °C / 32 °F to 158 °F, for appropriately conditioned compressed air down to -30 °C / -22 °F	
<b>Material</b>	Body: zinc die-cast	Inner valve: brass, plastic
	Elastomer: NBR/Buna-N	



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

## Precision pressure regulator supply max. 8 / 10 / 14 bar, relieving, with constant bleed, accuracy < 30 mbar, K<sub>v</sub> = 0.16 m³/h 11-819

55	137	13	handwheel, w/o gauge port	8	280	G¼	0.02 ... 0.5	<b>11-819-999</b>
				10			0.07 ... 4.0	<b>11-819-100</b>
				14			0.40 ... 10.0	<b>11-819-110</b>
55	137	13	handwheel, with gauge port	8	280	G¼	0.02 ... 0.5	<b>11-819-987</b>
				10			0.07 ... 4.0	<b>11-819-993</b>
				14			0.40 ... 10.0	<b>11-819-991</b>
55	137	13	spindle, with gauge port	8	280	G¼	0.02 ... 0.5	<b>11-819-998</b>
				10			0.07 ... 4.0	<b>11-819-101</b>
				14			0.40 ... 10.0	<b>11-819-112</b>



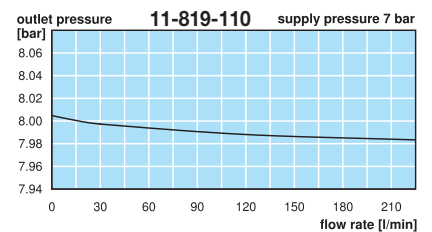
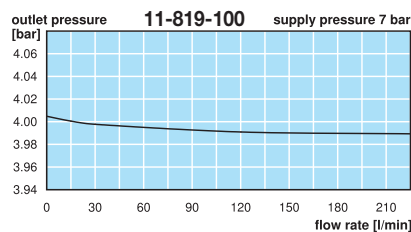
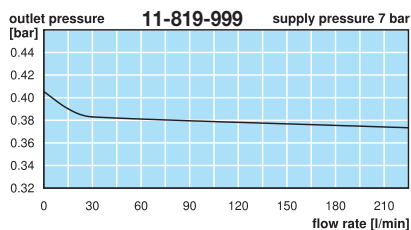
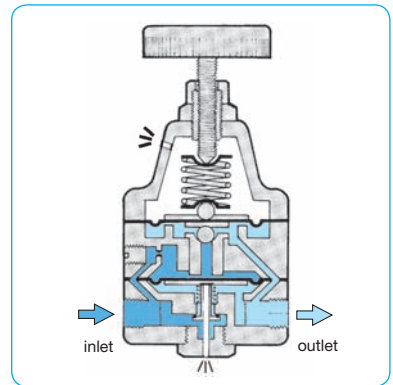
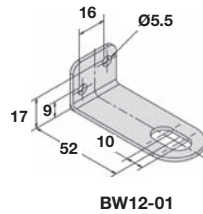
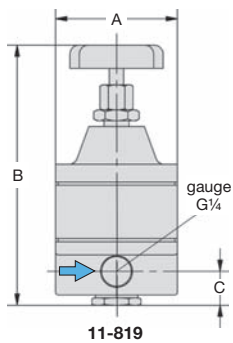
11-819-100

## Special options, add the appropriate letter

**tamper-proof cap** made of brass, adjustment by screwdriver, total height 108 mm 11-819-...T

## Accessories, enclosed

**pressure gauge** Ø 50 mm, 0...\*2 bar, G¼ **MA5002-..\*2**  
**mounting bracket** made of steel, mounting nut at the device **BW12-01**  
**tamper-proof cap** for metal sheet thickness from 2.5 up to 6 mm **3081-01**



\*1 at 7 bar supply pressure and 1.4 bar outlet pressure

\*2 01 = 0...1 bar, 04 = 0...4 bar, 10 = 0...10 bar



Order example:  
11-819-999

China website: www.duray-control.cn