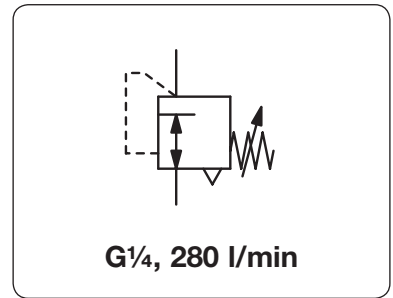


Precision Pressure Regulator

11-818

Description	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.	
Media	dry, oil-free and 25 µm filtered compressed air	
Supply pressure	max. 8 bar for 0.02...0.5 bar,	max. 10 bar for 0.07...4 bar,
Accuracy	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
Air consumption	max. 2 l/min, subject to outlet pressure	
Adjustment	by handwheel for panel mounting, optionally by spindle	
Relieving function	relieving, 3 mm exhaust diameter	
Gauge port	G¼ on both sides of the body, optionally without gauge port	Mounting position any
Temperature range	0 °C to 70 °C / 32 °F to 158 °F, for appropriately conditioned compressed air down to -30 °C / -22 °F	
Material	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	

Precision pressure regulator supply max. 8 / 10 / 14 bar, relieving, with constant bleed, accuracy < 30 mbar, K_v = 0.16 m³/h 11-818

55	137	13	handwheel, w/o gauge port	8	280	G¼	0.02 ... 0.5	11-818-999
				10			0.07 ... 4.0	11-818-100
				14			0.40 ... 10.0	11-818-110
55	137	13	handwheel, with gauge port	8	280	G¼	0.02 ... 0.5	11-818-987
				10			0.07 ... 4.0	11-818-993
				14			0.40 ... 10.0	11-818-991
55	137	13	spindle, with gauge port	8	280	G¼	0.02 ... 0.5	11-818-998
				10			0.07 ... 4.0	11-818-101
				14			0.40 ... 10.0	11-818-112



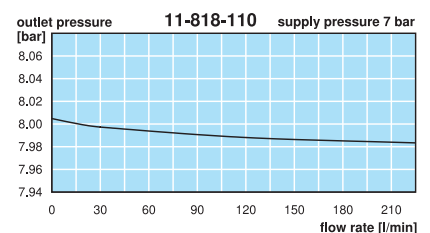
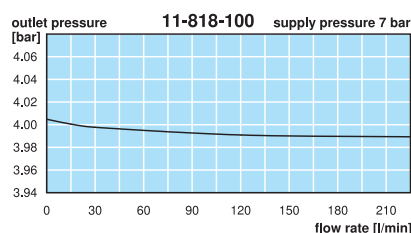
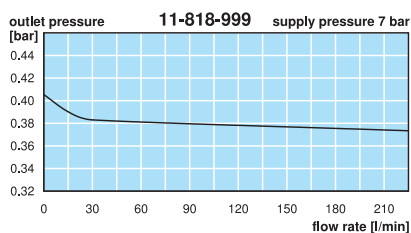
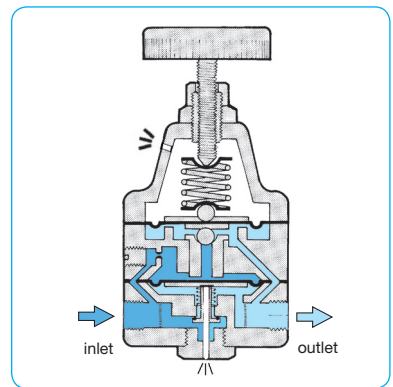
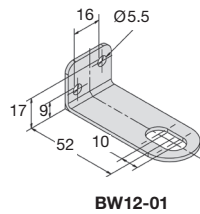
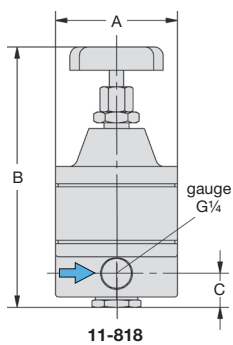
11-818-100

Special options, add the appropriate letter

tamper-proof cap made of brass, adjustment by screwdriver, total height 108 mm 11-818-...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

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
11-818-999