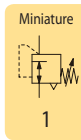
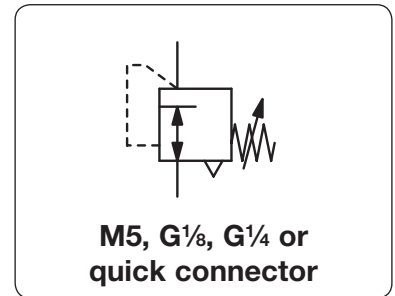


Modular Miniature Pressure Regulator "AirLogic"

R7

Description	Miniature pressure regulator with unique modular dovetail design allowing its individual use or assembly into a modular combination of pneumatic components through connector slides.	
Identification marking	The item no. includes a four-digit number starting with the input port and continuing counterclockwise. The digit corresponds with the type of connector slide, e.g. 1 for G $\frac{1}{8}$, 2 for G $\frac{1}{4}$ or B for blank.	
Pressure regulator R7	Designed for precise regulation of pressure. The regulator possesses a 20 turn adjustment range and excellent repeatability. The valve seat is protected by a filter/strainer at the input port.	
Media	5 μ m filtered compressed air and non-corrosive gases	Supply pressure max. 10 bar
Accuracy	at supply pressure variation of 1 bar: at supply pressure removal/reapplication: at variations in temperature of 25 °C / K:	< 10 mbar pressure deviation < 10 mbar pressure deviation < 10 mbar pressure deviation
Air consumption	0.3 l/min at 7 bar supply pressure	Adjustment by knob
Relieving function	relieving	Mounting position any
Gauge port	G $\frac{1}{8}$ via threaded slide	



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

Precision regulator				with adjusting knob, relieving, gauge port, G $\frac{1}{8}$ on one side,		R7	
47	92	14	140	10	G $\frac{1}{8}$	0.01 ... 0.7	R7-010-111B
						0.02 ... 2.1	R7-030-111B
						0.03 ... 4.1	R7-060-111B
						0.03 ... 7.0	R7-100-111B
51	92	14	140	10	G $\frac{1}{4}$	0.01 ... 0.7	R7-010-212B
						0.02 ... 2.1	R7-030-212B
						0.03 ... 4.1	R7-060-212B
						0.03 ... 7.0	R7-100-212B



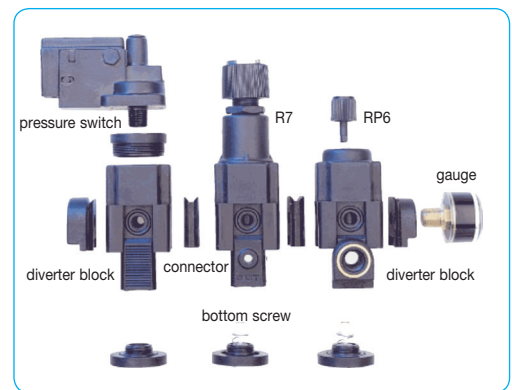
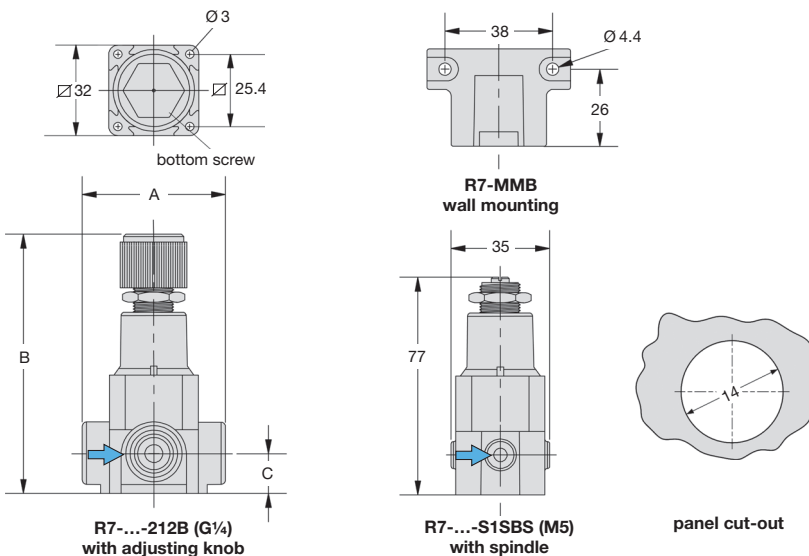
Special options, add the appropriate letter

with spindle thread	M5	screwdriver adjustment, height 77 mm connection thread	R. - S
	G $\frac{1}{8}$		R. - . . . -S. . .
	G $\frac{1}{4}$		R. - . . . -1. . .
quick connector	\varnothing 4	external diameter of hose	R. - . . . -2. . .
	\varnothing 6		R. - . . . -4. . .
	\varnothing 8		R. - . . . -6. . .
breech plate connection plate		with permanent pressure supply w/o passage, modular combination of two devices	R. - . . . -8. . .
			R. - . . . -B. . .
			R. - . . . -U. . .
			R. - . . . -C. . .



Accessories, enclosed

pressure gauge wall mounting	\varnothing 23 mm, 0... ^{*2} bar, G $\frac{1}{8}$ at breech plate	MA2301-... ^{*2} R7-MMB
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*1 at 7 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

Order example:
R7-010-111B