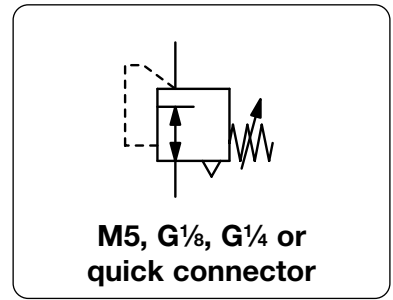


Description	Miniature pressure regulator with unique modular dovetail design allowing its individual use or assembly into a modular combination of pneumatic components through connector slides.	
Identification marking	The item no. includes a four-digit number starting with the input port and continuing 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 rang 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



R7-...-1B1B, G $\frac{1}{8}$



R7-...-2B2BS, G $\frac{1}{4}$

Special options, add the appropriate letter or number

with spindle	screwdriver adjustment, height 77 mm	R.-...-...S
thread	M5 connection thread	R.-...-S...
	G $\frac{1}{8}$	R.-...-1...
	G $\frac{1}{4}$	R.-...-2...
quick connector	external diameter of hose	R.-...-4...
	\varnothing 4	R.-...-6...
	\varnothing 6	R.-...-8...
	\varnothing 8	R.-...-B...
breech plate		R.-...-U...
connection plate	with permanent pressure supply	R.-...-C...
	without passage, modular combination of two devices	R.-...-W...
wall mounting	at breech plate	



R7-...-SBSBS with spindle, M5 R7-...-4B4B w/ quick connector \varnothing 4

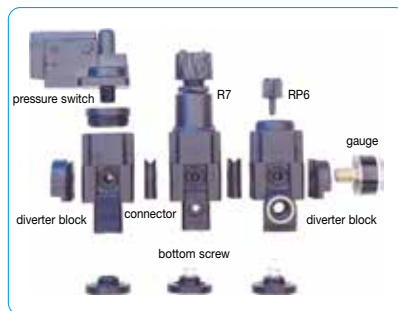
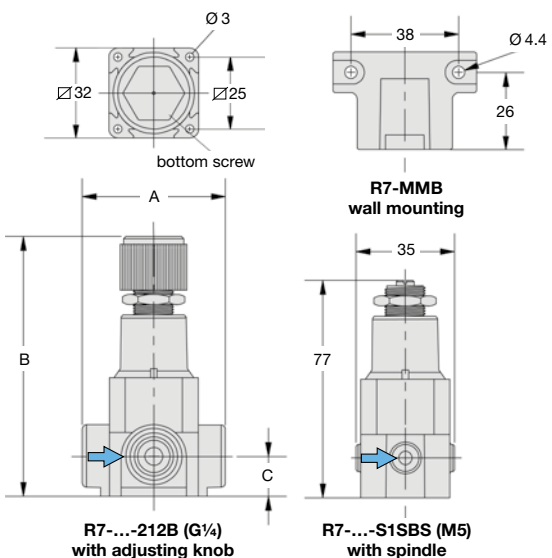
Accessories, enclosed

pressure gauge	\varnothing 23 mm, 0...*2 bar, G $\frac{1}{8}$	MA2301-...*2
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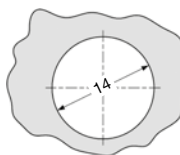


example for assembly

example for assembly



example for assembly



panel cut-out

*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

* Product group

