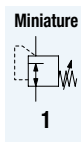
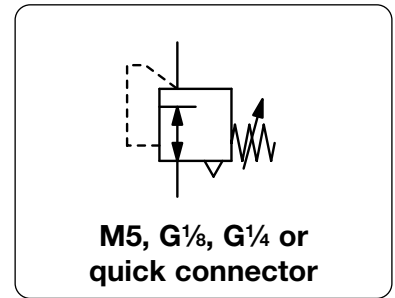


<b>Description</b>	Miniature pressure regulator with unique modular dovetail design allowing its individual use or assembly into a modular combination of pneumatic components through connector slides.	
<b>Identification marking</b>	The item no. includes a four-digit number starting with the input port 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.	
<b>Pressure regulator R7</b>	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.	
<b>Media</b>	5 $\mu$ m filtered compressed air and non-corrosive gases	<b>Supply pressure</b> max. 10 bar
<b>Accuracy</b>	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
<b>Air consumption</b>	0.3 l/min at 7 bar supply pressure	<b>Adjustment</b> by knob
<b>Relieving function</b>	relieving	<b>Mounting position</b> any
<b>Gauge port</b>	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					

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 0.02...2.1 0.03...4.1 0.03...7.0	R7-010-111B R7-030-111B R7-060-111B R7-100-111B
51	92	14	140	10	G $\frac{1}{4}$	0.01...0.7 0.02...2.1 0.03...4.1 0.03...7.0	R7-010-212B R7-030-212B R7-060-212B R7-100-212B



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



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

### Special options, add the appropriate letter or number

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



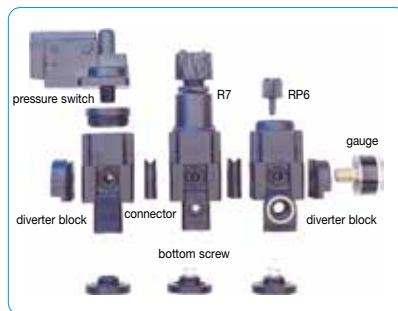
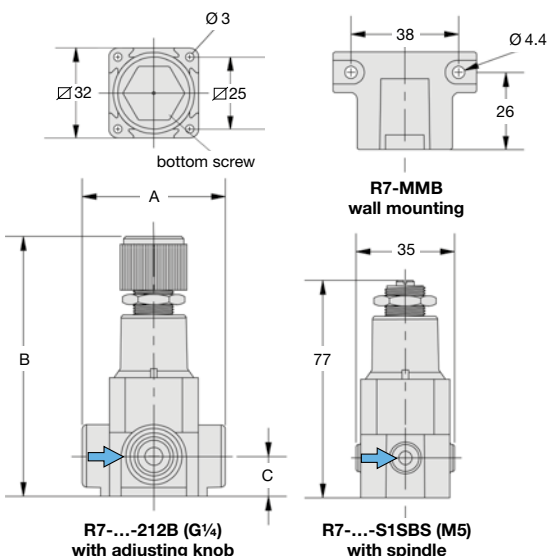
R7-...-SBSBS with spindle, M5      R7-...-4B4B w/ quick connector  $\varnothing$  4

### Accessories, enclosed

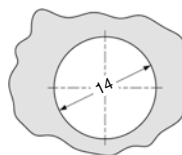
<b>pressure gauge</b>	$\varnothing$ 23 mm, 0...*2 bar, G $\frac{1}{8}$	MA2301-...*2
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example for assembly



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

