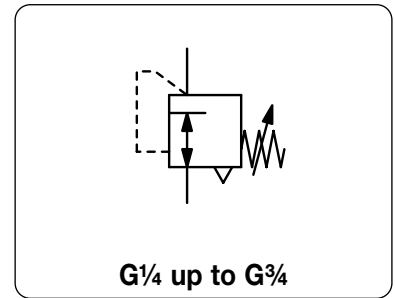


# STANDARD PRESSURE REGULATOR

R520 / R521 / R522

<b>Description</b>	Diaphragm pressure regulator in small design with large volume flow. Can be blocked with a filter or lubricator without using a double nipple. Compressed air or neutral gases	
<b>Media</b>	Compressed air or neutral gases	
<b>Supply pressure</b>	max. 20 bar	
<b>Adjustment</b>	with lockable adjustment knob for R520, with T-handle for R521, with adjustment screw for R522	
<b>Relieving</b>	relieving, optionally non relieving	
<b>Gauge port</b>	G $\frac{1}{8}$ on both sides, Screw plugs are supplied	
<b>Mounting position</b>	any	
<b>Temperature range</b>	0 °C to 80 °C	
<b>Material</b>	Body: aluminium die-cast	Sping cage: plastic reinforced with glass fibre
	Elastomer: NBR	Inner valve: brass, plastic



Standard



2

Dimensions			K <sub>v</sub> -value (m <sup>3</sup> /h)	Flow rate		Connection thread G	Pressure range bar	Order Number <span style="border: 1px solid black; padding: 0 2px;">A</span> *
A	B	C		m <sup>3</sup> /h*1	l/min*1			

Standard pressure regulator						supply pressure max. 20 bar, relieving, without pressure gauge		R520	
85	155	38	1.6	144	2400	G $\frac{1}{4}$	0.2 ... 2	0.4 ... 4	R520-02A R520-02B R520-02C R522-02D
85	155	38	3.6	300	5000	G $\frac{3}{8}$	0.2 ... 2	0.4 ... 4	R520-03A R520-03B R520-03C R522-03D
85	155	38	5.2	372	6200	G $\frac{1}{2}$	0.2 ... 2	0.4 ... 4	R520-04A R520-04B R520-04C R522-04D
85	155	38	6.1	432	7200	G $\frac{3}{4}$	0.2 ... 2	0.4 ... 4	R520-06A R520-06B R520-06C R522-06D



R520 with knob



R521 with T-handle



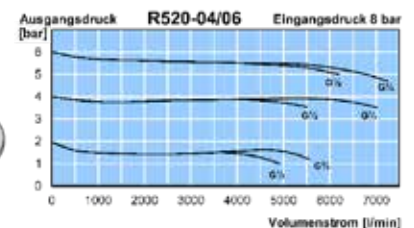
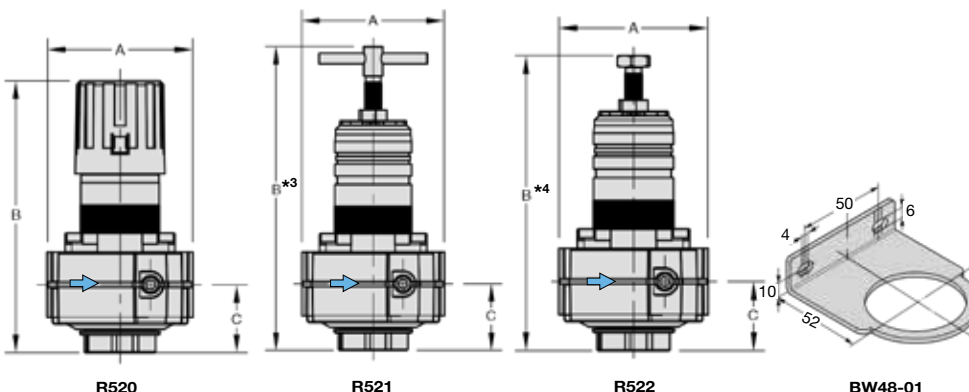
R522 with adjustment screw

### Special options, add the appropriate letter

<b>T-handle</b>	with locknut	up to 10 bar	B + 20 mm *3	R521 -0 . .
<b>adjustment screw</b>	with locknut	up to 10 bar	B + 20 mm *4	R522 -0 . .
<b>non relieving</b>	without relieving function			R520 -0 . . K
<b>flange connection</b>	according to EN-1092-1 or ASME B16.5		on request	R52 . -0 . . F.

### Accessories, enclosed

<b>pressure gauge</b>	Ø 50 mm, 0...*2 bar, G $\frac{1}{8}$	MA5001- . . *2
<b>mounting bracket</b>	made of stainless steel	BW48-01
<b>mounting nut</b>	made of plastic	M48x1,5K



\*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop  
\*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar

\* Product group

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net



Order example:  
R520-02A