

**Description** Piston-operated regulator with balanced valve design and high-relief flow. Features include a transparent pressure-calibrated, non-rising adjusting dial which can be mounted in any position so the dial face is always visible. Pressure setting in steps is possible.

**Media** compressed air

**Supply pressure** max. 21 bar, minimum 1 bar above outlet pressure

**Air consumption** R21/R31/R41: max. 1.4 l/min depending on outlet pressure R11: without constant bleed

**Adjustment** The full secondary pressure range can be dialed in less than a 270° turn proportional to handwheel with scale in bar or psi. This is advantageous if secondary pressure must be changed frequently.

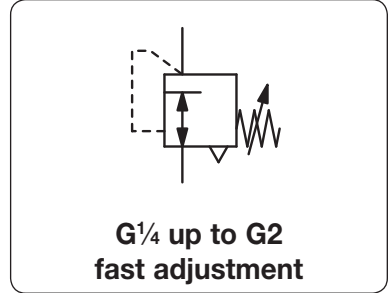
**Relieving function** relieving

**Gauge port** G $\frac{1}{4}$  on both sides of the body, not available at R11

**Mounting position** any

**Temperature range** 0 °C to 65 °C / 32 °F to 149 °F

**Material** Body: zinc die-cast  
Piston: acetal  
Valve seat: acetal, brass and NBR/Buna-N  
O-ring: NBR/Buna-N



Dimensions			K <sub>v</sub> -value (m <sup>3</sup> /h)	Flow rate		Connection thread G	Pressure range bar	Order number
A mm	B mm	C mm		m <sup>3</sup> /h*1	l/min*1			

Adjustment dial regulator							supply pressure max. 21 bar, relieving, with constant bleed, adjusting dial 270° turn wheel		R11...R41
66	71	10	0.02	1.2	20	G $\frac{1}{4}$	0... 3	0... 11	R11-C2-L R11-C2-O
81	104	24	2.5	180	3000	G $\frac{1}{4}$	0... 3	0... 11	R21-C2-L R21-C2-O
81	104	24	3.8	270	4500	G $\frac{3}{8}$	0... 3	0... 11	R21-C3-L R21-C3-O
81	104	43	4.2	300	5000	G $\frac{1}{2}$	0... 3	0... 11	R21-C4-L R21-C4-O
109	132	43	6.8	480	8000	G $\frac{3}{4}$	0... 3	0... 11	R31-C6-L R31-C6-O
109	132	43	7.6	540	9000	G1	0... 3	0... 11	R31-C8-L R31-C8-O
135	173	71	18.5	1320	22000	G1 $\frac{1}{2}$	0... 3	0... 11	R41-CB-L R41-CB-O
135	173	71	20.0	1440	24000	G2	0... 3	0... 11	R41-CC-L R41-CC-O



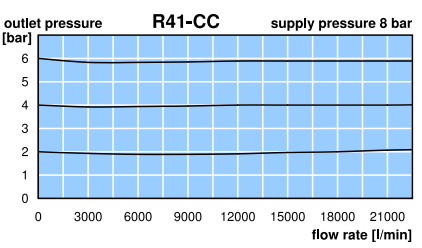
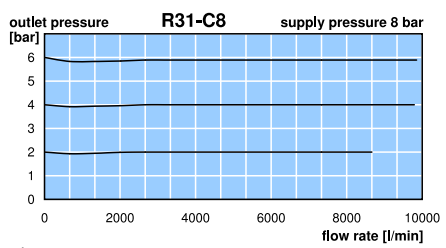
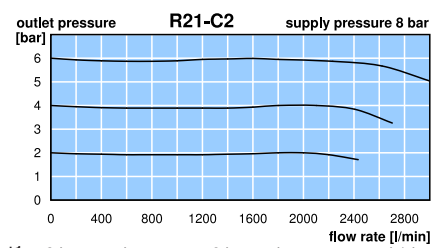
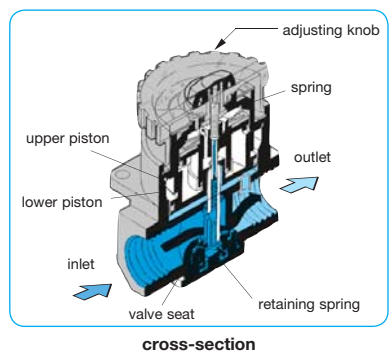
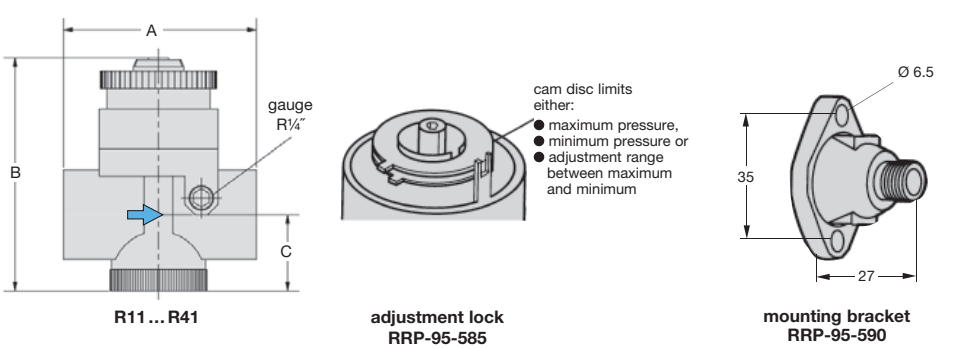
**Special options, add the appropriate letter**

adjustment lock RRP-95-585 R. 1-C . . T

**Accessories**

pressure gauge Ø 50 mm, 0...\*2 bar, G $\frac{1}{4}$  for R21 to R41 MA5002-..\*2

mounting bracket mounting through the gauge port at the back for R21 to R41 RRP-95-590



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