

# MINIATURE BACK PRESSURE REGULATOR

TYP 59/130/134

**Description** Pressure relief valve for protecting compressed air devices from overpressure. If the pressure setpoint is exceeded, overpressure is vented into the atmosphere until the setpoint is reached again. It is recommended to choose a pressure range as low as possible. Low-cost piston-operated valve of small size and high relief capacity.

**Model 59** Small, sensitive diaphragm-type valve made to screw in. Relief flow is proportional to overpressure. Model 134 features a tapped exhaust.

**Media** compressed air or non-corrosive gases, model 134 also for liquids

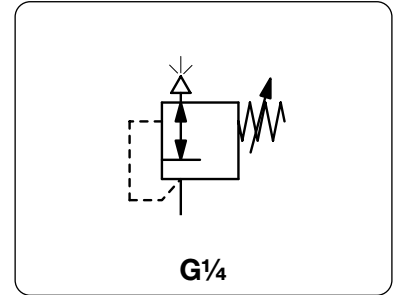
**Overpressure Adjustment** max. 21 bar by knurled screw at model 59 by plastic knob with snap-lock at model 130 and 134

**Gauge port** model 134: for inlet pressure G $\frac{1}{8}$  on both sides of the body model 59/130: not available

**Temperature range** 0 °C to 50 °C / 32 °F to 132 °F

**Material** Body: aluminium at model 59 and 130, brass at model 134  
Elastomer: NBR/Buna-N at model 130 and 134  
Spring cage: plastic at type 130 and 134

**Mounting position** any  
brass at model 134  
Seal: silicone at model 59  
Inner valve: brass



Dimensions			relief capacity	Over-pressure	Connection thread	Adjustment range	Order number
A	B	C	l/min*1	max. bar	G	bar	

Back pressure regulator				overpressure max. 21 bar, with male thread	Model 59
20	50	-	1500	21	G $\frac{1}{4}$ a
1.7 ... 2.4					
2.8 ... 3.5					
3.8 ... 14					



Model 59

Back pressure regulator				overpressure max. 21 bar, with male thread	Model 130
43	88	-	540	21	G $\frac{1}{4}$ a
0 ... 3.5					
0 ... 7.0					



Model 130

Back pressure regulator				overpressure max. 21 bar with tapped exhaust and gauge port	Model 134
40	76	10	540	21	G $\frac{1}{4}$
0 ... 1.0					
0 ... 1.8					
0 ... 3.5					
0 ... 7.0					



Model 134

**Special options, add the appropriate letter**

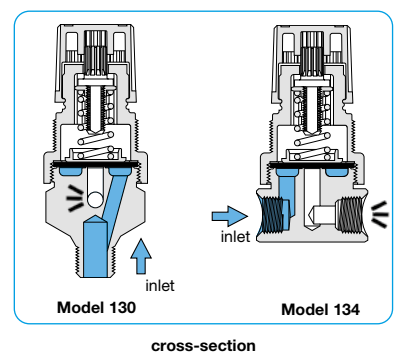
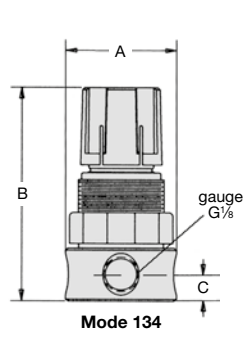
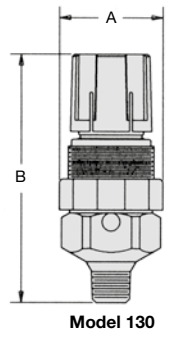
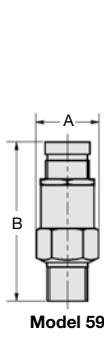
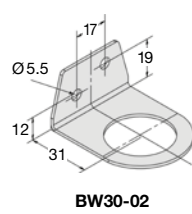
free of grease and oil specially cleaned, suitable for oxygen for 130 and 134 13.-02-... L

**Accessories, enclosed**

pressure gauge	Ø 40 mm, 0... <sup>*2</sup> bar, G $\frac{1}{8}$	for 134	MA4001-... <sup>*2</sup>
mounting bracket	made of steel	for 130 and 134	BW30-02
mounting nut	made of plastic	for 130 and 134	M30x1,5K
	made of aluminium	for 130 and 134	M30x1,5A

Model 59			relief		
range	set pressure	capacity	range	set pressure	capacity
bar	Druck	l / min	bar	Druck	l / min
3.8 ... 14	1.8 bar	500			
	3.6 bar	900			
	5.4 bar	1 100			
	7.0 bar	1 500			
	8.6 bar	1 700			
	10.0 bar	2 000			

Model 130			relief		
range	set pressure	capacity	range	set pressure	capacity
bar	Druck	l / min	bar	Druck	l / min
0 ... 3.5	0.7 bar	50			
	1.8 bar	190			
	3.6 bar	310			
0 ... 7	3.6 bar	280			
	5.2 bar	385			
	7.0 bar	540			



\*1 at 7 bar overpressure and open outlet  
\*2 01 = 0...1 bar, 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar

Gauges: see chapter for measuring devices PDF CAD www.aircom.net

Order example: 59-02A-35