

Miniature Back Pressure Regulator

Type 58/131/135

Description

Pressure relief valve for protecting small compressors, tanks etc. 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.

Type 58
Type 131 / 135

Low-cost piston-operated valve of small size and high relief capacity. Small, sensitive diaphragm-type valve made to screw in. Relief flow is proportional to overpressure. Type 135 features a tapped exhaust.

Media
Overpressure Adjustment

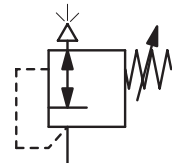
compressed air or non-corrosive gases, type 135 also for liquids
max. 21 bar

Gauge port

by knurled screw at type 58
by plastic knob with snap-lock at type 131 and 135
type 135: for inlet pressure G $\frac{1}{4}$ on both sides of the body
type 58/131: not available

Temperature range
Material

0 °C to 50 °C / 32 °F to 132 °F
Body: brass at type 58 and 135, aluminium at type 131
Elastomer: NBR/Buna-N at type 131 and 135, silicone at type 58
Spring cage: plastic at type 131 and 135
Mounting position any
Seal: brass



G $\frac{1}{4}$

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

Relief valve with male thread Type 58

overpressure max. 21 bar, male thread

20	50	-	1500	21	G $\frac{1}{4}$ m	1.7...2.4	58-02A- 35
						2.8...3.5	58-02A- 50
						3.8...14	58-02A-200

Relief valve with diaphragm Type 131

overpressure max. 21 bar, male thread

43	88	-	540	21	G $\frac{1}{4}$ m	0...3.5	131-02- 50
						0...7.0	131-02-100

Relief valve with tapped exhaust Type 135

overpressure max. 21 bar, with tapped exhaust and gauge port

40	76	10	540	21	G $\frac{1}{4}$	0...1.0	135-02- 15
						0...1.8	135-02- 25
						0...3.5	135-02- 50
						0...7.0	135-02-100

Special options, add the appropriate letter

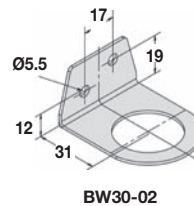
free of grease and oil specially cleaned, suitable for oxygen for 131 and 135 13.-02-...L

Accessories, enclosed

pressure gauge Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$ for 135 **MA4001-...*2**
mounting bracket made of steel for 131 and 135 **BW30-02**
mounting bracket made of plastic for 131 and 135 **M30x1,5K**
mounting bracket made of aluminium for 131 and 135 **M30x1,5A**

type 58		relief	
range	set pressure	capacity	
bar	bar	l / min	
3.8...14	1.8	500	
	3.6	900	
	5.4	1 100	
	7.0	1 500	
	8.6	1 700	
	10.0	2 000	

type 131		relief	
range	set pressure	capacity	
bar	bar	l / min	
0...3.5	0.7	50	
	1.8	190	
	3.6	310	
0...7	3.6	280	
	5.2	385	
	7.0	540	



BW30-02



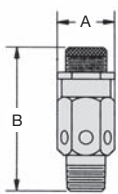
type 58



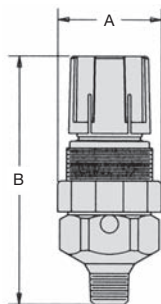
type 131



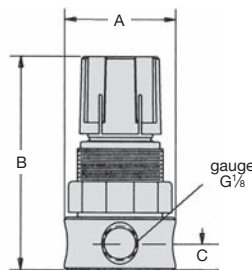
type 135



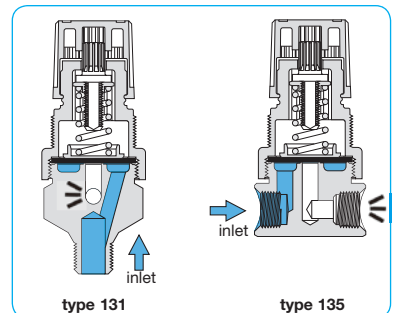
type 58



type 131



type 135



cross section

*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



Order example:
58-02A-35

China website: www.duray-control.cn