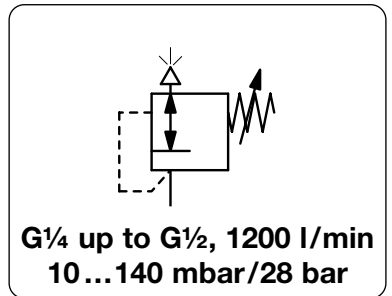


PRECISION BACK PRESSURE REGULATOR OF ADVANCED ACCURACY, UP TO 35 BAR 10BP

Description	The back pressure regulator is a high-flow, high-precision pneumatic relief valve with adjustable setpoint. It provides protection against overpressure in the downstream section of pneumatic systems. A convoluted diaphragm provides the sensitivity for venting to the atmosphere in response to the slightest upstream change.
Media	compressed air or non-corrosive gases
Overpressure	max. 21 bar up to pressure range of 14 bar, max. 35 bar beyond
Adjustment	by handwheel with locknut
Gauge port	1/4" NPT on both sides of the body, screw plugs supplied
Mounting position	any
Temperature range	0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F
Material	Body: aluminium die-cast Elastomer: NBR/Buna-N, optionally FKM Inner valve: stainless steel and brass



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

Precision back pressure regulator					overpressure max. 21/35 bar	Model 10BP	
67	162	19	1200	21	G¼	0.01 ... 0.14	10212BPH
						0.01 ... 0.7	10222BPH
						0.01 ... 2.1	10232BPH
						0.07 ... 4.1	10242BPH
						0.14 ... 10	10262BPH
						0.20 ... 14	10272BPH
67	171	19	1200	35	G¼	0.30... 21	10282BPH
						0.30... 28	10292BPH



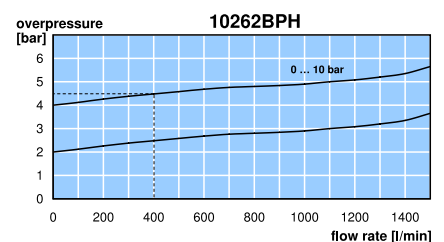
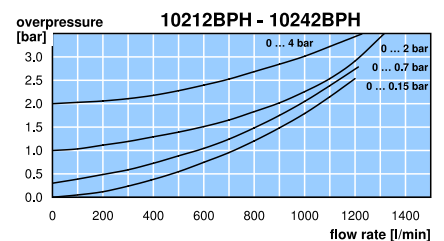
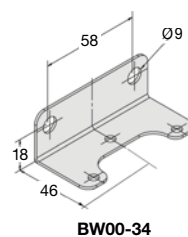
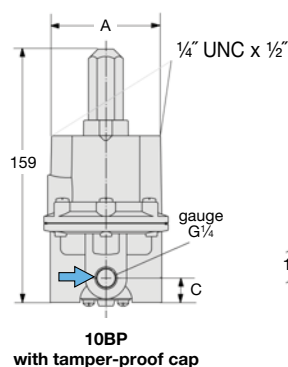
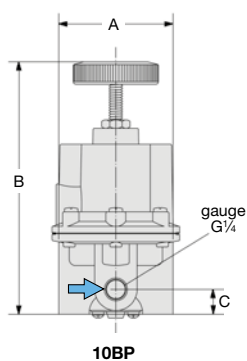
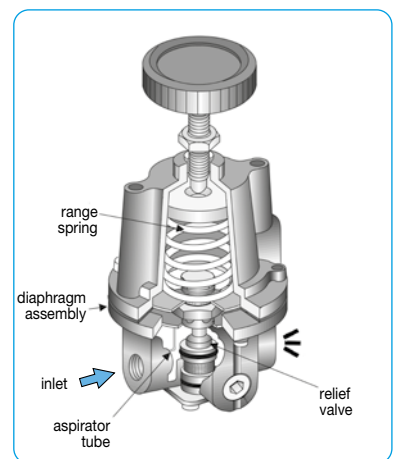
Modell 10BP

Special options, add the appropriate letter

G3/8	connection thread	102.3BPH
G1/2	connection thread, recommended for mbar range	102.4BPH
NPT	connection thread	102.2BP
FKM elastomer		102..BP.J
no yellow metals	FKM elastomer	102..BP.X63
tamper-proof cap	aluminium, adjustment by screwdriver, total height 159 mm	102..BP.T

Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G1/4 Ø 50 mm, 0... 25 bar, G1/4 Ø 50 mm, 0... 60 bar, G1/4 Ø 63 mm, 0...160 mbar, G1/4	MA5002-...*2 MA5002-25 MA5002-60 MA6302-C2
mounting bracket	made of steel	BW00-34
gauge connector	made of brass, adapter 1/4" NPT - G1/4 female	AM-06



*1 at 5 bar overpressure and open outlet

*2 01 = 0...1 bar, 02 = 0...2.5 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar, 60 = 0...60 bar

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

* Product group



Order example:
10212BPH