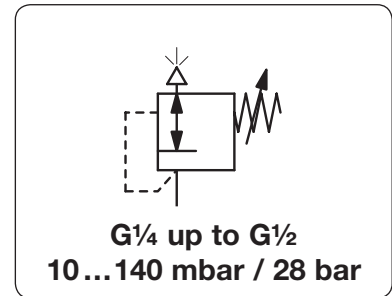


# Precision Back Pressure Regulator of Advanced Accuracy, up to 35 bar

10BP

<b>Description</b>	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.
<b>Media</b>	compressed air or non-corrosive gases
<b>Overpressure</b>	max. 21 bar up to pressure range of 14 bar, max. 35 bar beyond
<b>Adjustment</b>	by handwheel with locknut
<b>Gauge port</b>	G $\frac{1}{4}$ on both sides of the body, screw plugs supplied
<b>Mounting position</b>	any
<b>Temperature range</b>	0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F
<b>Material</b>	Body: aluminium die-cast Elastomer: NBR/Buna-N, optionally FKM Inner valve: stainless steel and brass



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

Precision back pressure regulator				overpressure max. 21/35 bar	Model 10BP		
67	162	19	1200	21	G $\frac{1}{4}$	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	G $\frac{1}{4}$	0.30 ... 21	10282BPH
						0.30 ... 28	10292BPH

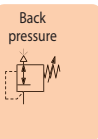
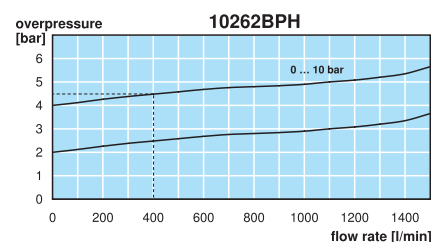
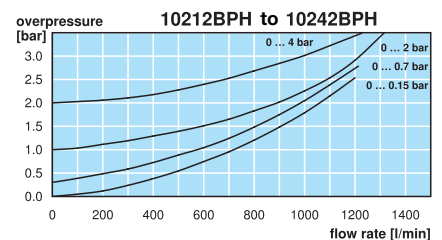
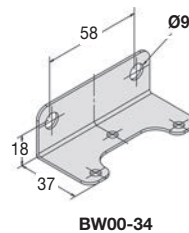
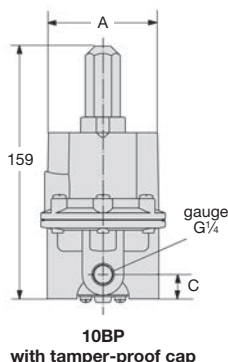
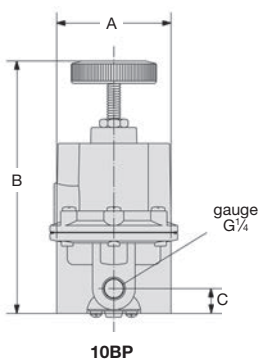
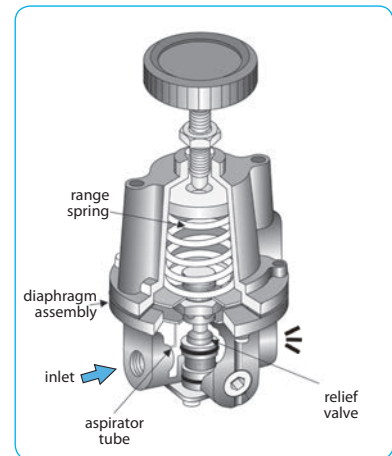
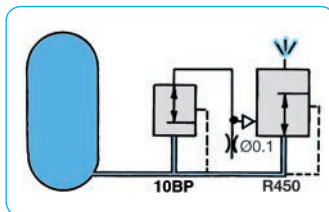


## Special options, add the appropriate letter

G $\frac{3}{8}$	connection thread	102..3BPH
G $\frac{1}{2}$	connection thread, recommended for mbar range	102..4BPH
NPT	connection thread	102..2BP
FKM elastomer		102..BP..J
free of non-ferrous metal	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, G $\frac{1}{4}$	MA5002-..*2
mounting bracket	Ø 63 mm, 0 ... 160 mbar, G $\frac{1}{4}$ made of steel	MA6302-C2 BW00-34



\*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



Order example:  
10212BPH

China website: www.duray-control.cn