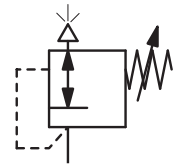


<b>Description</b>	Diaphragm back pressure regulators protect pneumatic devices against overpressure. If the pressure exceeds the setpoint, the pressure valve exhausts to the atmosphere until the pressure level is below the setpoint. It is advisable to select the pressure range as near as possible to the maximum setpoint.
<b>Media</b>	compressed air or non-corrosive gases
<b>Recommendation</b>	connection thread G½ for pressure range 0...35 / 140 / 280 mbar
<b>Overpressure</b>	max. 10 bar
<b>Accuracy</b>	response sensitivity <2 mbar
<b>Adjustment</b>	by handwheel with locknut
<b>Gauge port</b>	G¼ 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



**G¼ up to G½, 700 l/min  
0...35/800 mbar**

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

## Low back pressure regulator

overpressure max. 10 bar

## DB110

67	180	25	700	10	G¼	2 ... 35	<b>DB110-020</b>
						2 ... 140	<b>DB110-02A</b>
						2 ... 280	<b>DB110-02B</b>
						2 ... 400	<b>DB110-02C</b>
						2 ... 800	<b>DB110-02D</b>
67	180	25	700	10	G½	2 ... 35	<b>DB110-040</b>
						2 ... 140	<b>DB110-04A</b>
						2 ... 280	<b>DB110-04B</b>
						2 ... 400	<b>DB110-04C</b>
						2 ... 800	<b>DB110-04D</b>



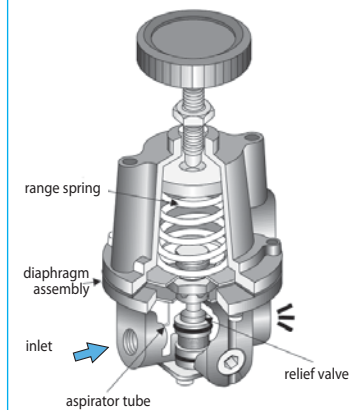
DB110

## Special options, add the appropriate letter

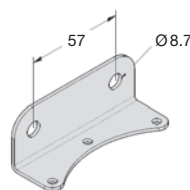
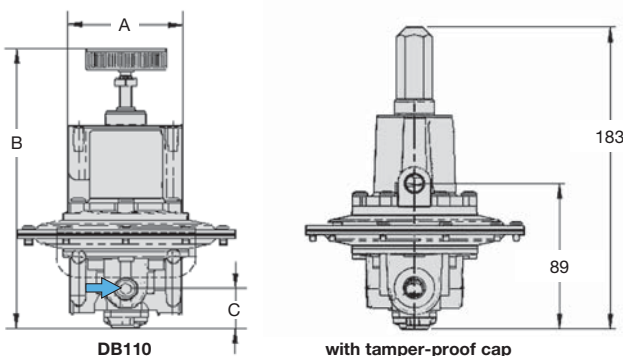
<b>G¾</b>	connection thread	<b>DB110-0.. 3</b>
<b>NPT</b>	connection thread	<b>DB110-0.. N</b>
<b>FKM elastomer</b>		<b>DB110-0.. V</b>
<b>tamper-proof cap</b>	aluminium, adjustment by screwdriver, total height 183 mm	<b>DB110-0.. T</b>

## Accessories

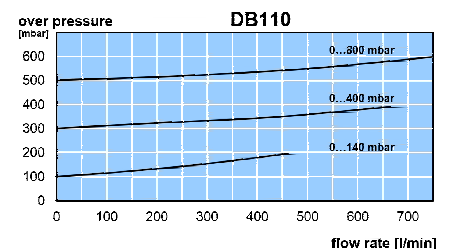
<b>pressure gauge</b>	Ø 63 mm, 0...*2 mbar, G¼, capsule type	<b>MA6302-...*2</b>
	Ø 63 mm, 0... 1 bar, G¼, Bourdon tube	<b>MA6302-01</b>
<b>connecting parts gauge</b>	at NPT connection thread, adapter ¼" NPT - G¼i	<b>VP-0202N</b>
<b>mounting bracket</b>	made of steel	<b>BW00-58</b>



functional principle



BW00-58



\*1 at 200 mbar overpressure and open outlet

\*2 B6 = 0...60 mbar, C2 = 0...160 mbar, C3 = 0...250 mbar, C4 = 0...400 mbar

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net

Order example:  
DB110-020