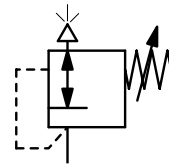


Description

Media
Recommendation
Overpressure
Accuracy
Adjustment
Gauge port
Mounting position
Temperature range
Material

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.
compressed air or non-corrosive gases
connection thread G $\frac{1}{2}$ for pressure range 0...35 / 140 / 280 mbar
max. 4 bar
response sensitivity <2 mbar
by handwheel with locknut
 $\frac{1}{4}$ " NPT on both sides of the body, screw plugs supplied
any
0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F
Body: aluminium die-cast
Elastomer: NBR/Buna-N, optionally FKM
Inner valve: stainless steel and brass



G $\frac{1}{4}$ up to G $\frac{1}{2}$, 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. 4 bar

DB110

67	180	25	700	4	G $\frac{1}{4}$	2 ... 35	DB110-020
						2 ... 140	DB110-02A
						2 ... 280	DB110-02B
						2 ... 400	DB110-02C
						2 ... 800	DB110-02D
67	180	25	700	4	G $\frac{1}{2}$	2 ... 35	DB110-040
						2 ... 140	DB110-04A
						2 ... 280	DB110-04B
						2 ... 400	DB110-04C
						2 ... 800	DB110-04D



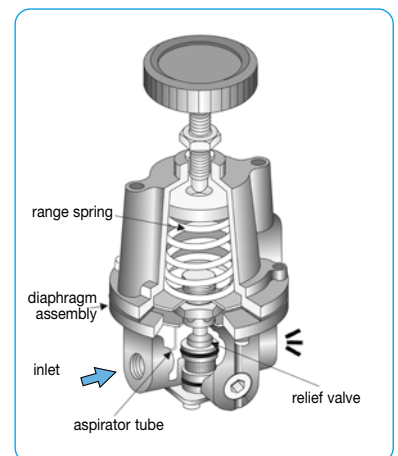
DB110

Special options, add the appropriate letter

G$\frac{3}{8}$	connection thread	DB110-03.
NPT	connection thread	DB110-0.. N
FKM elastomer		DB110-0.. V
tamper-proof cap	aluminium, adjustment by screwdriver, total height 183 mm	DB110-0.. T

Accessories, enclosed

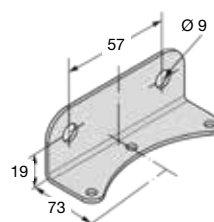
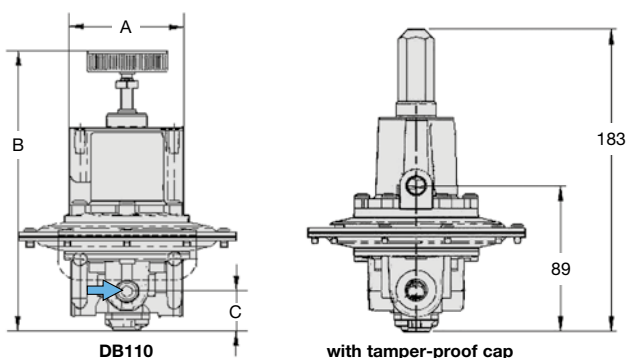
pressure gauge	Ø 63 mm, 0...*2 mbar, G $\frac{1}{4}$, capsule type	MA6302-...*2
	Ø 63 mm, 0... 1 bar, G $\frac{1}{4}$, Bourdon tube	MA6302-01
connecting part gauge	made of brass adapter $\frac{1}{4}$ " NPT - G $\frac{1}{4}$ i	AM-06
mounting bracket	made of steel	BW00-58



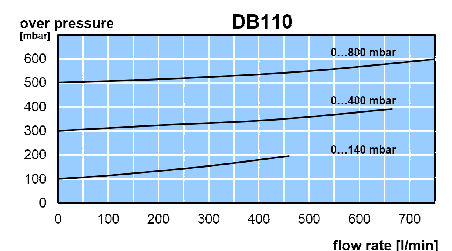
functional principle

Back pressure

8



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

* Product group



Order example:
DB110-020