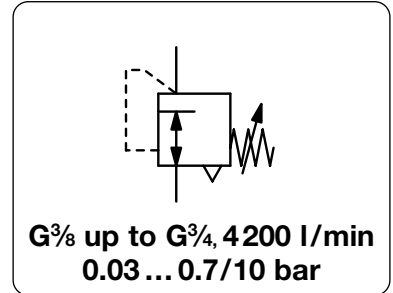


# PRECISION BACK PRESSURE REGULATOR

# DB400

<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>Overpressure</b>	max. 17 bar
<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, brass, aluminium and cadmium-plated steel

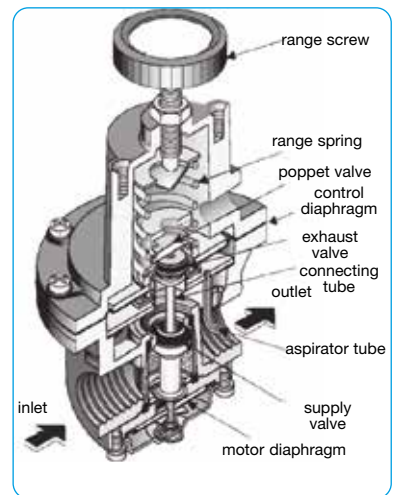


Dimensions			Relief capacity l/min*1	Over-pressure max. bar	Connection thread G	Adjustment range bar	Order number
A	B	C					
mm	mm	mm					

Precision back pressure regulator							overpressure max. 17 bar	DB400
89	206	39	3 800	17	G $\frac{3}{8}$	0.03 ... 0.7	DB400-031	
						0.03 ... 2.0	DB400-03A	
						0.07 ... 4.0	DB400-03B	
						0.15 ... 10	DB400-03C	
89	206	39	4 000	17	G $\frac{1}{2}$	0.03 ... 0.7	DB400-041	
						0.03 ... 2.0	DB400-04A	
						0.07 ... 4.0	DB400-04B	
						0.15 ... 10	DB400-04C	
89	206	39	4 200	17	G $\frac{3}{4}$	0.03 ... 0.7	DB400-061	
						0.03 ... 2.0	DB400-06A	
						0.07 ... 4.0	DB400-06B	
						0.15 ... 10	DB400-06C	



DB400



cross-section

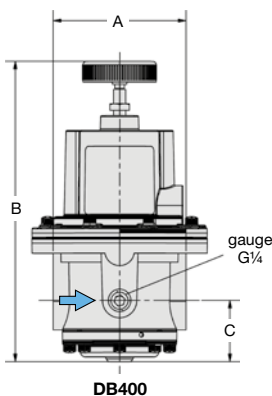
## Special options, add the appropriate letter

<b>NPT</b>	connection thread	DB400-0..N
<b>tamper-proof cap</b>	aluminium, adjustment by screwdriver, total height 295 mm	DB400-0..T
<b>FKM elastomer</b>		DB400-0..V

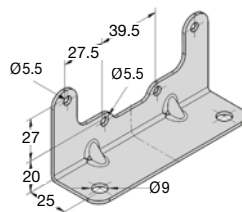
## Accessories, enclosed

<b>pressure gauge</b>	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	MA6302-...*2
<b>mounting bracket</b>	made of steel	BW00-47

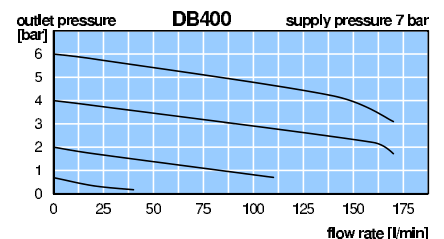
Back pressure



DB400



BW00-47



\*1 at 7 bar inlet pressure and 1.4 bar outlet pressure  
\*2 01 = 0...1 bar, 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 25 = 0...25 bar

\* Product group

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net



Order example:  
DB400-031