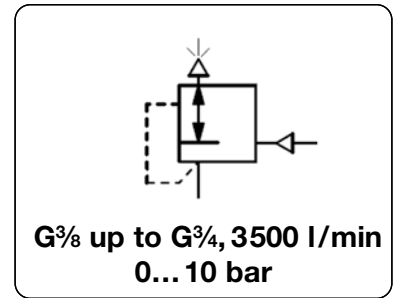


# PRECISION BACK PRESSURE REGULATOR, PILOT-OPERATED

DB450

<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>Pilot pressure</b>	0 ... 10 bar
<b>Accuracy</b>	3% at 7 bar pilot pressure	<b>Response sensitivity</b>	2.5 mbar
<b>Adjustment</b>	depending on the level of signal pressure the response value will change accordingly		
<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 casting O-rings: NBR/Buna-N, optionally FKM	Elastomer:	NBR/Buna-N
		Inner valve:	brass and aluminium



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

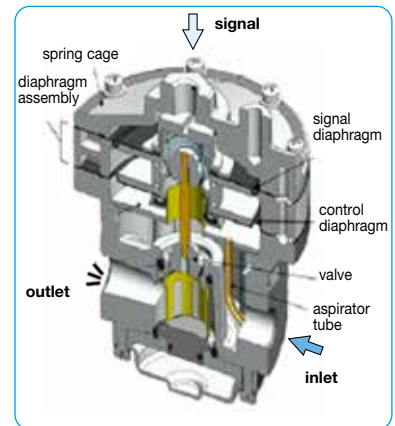
Back pressure regulator, pilot-operated							pilot pressure overpressure	0...10 bar max. 17 bar	DB450
87	129	40	3500	17	0... 10	G $\frac{3}{8}$		DB450-03	
						G $\frac{1}{2}$		DB450-04	
						G $\frac{3}{4}$		DB450-06	



DB450

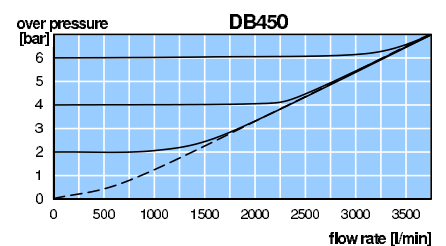
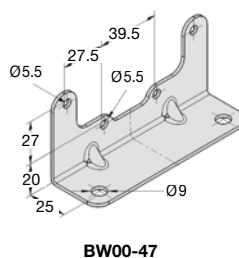
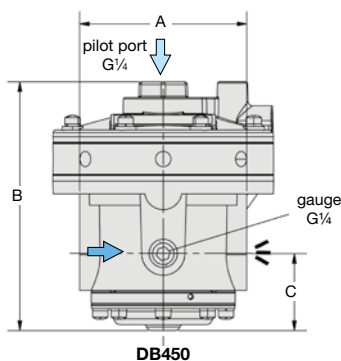
## Special options, add the appropriate letter

NPT	connection thread	DB450-0. N
FKM elastomer		DB450-0. V



## Accessories, enclosed

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



\*1 at 6 bar inlet pressure and open outlet

\*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar

\* Product group

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net



Order example:  
DB450-03