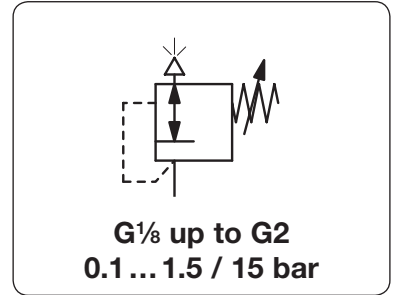


<b>Description</b>	Back pressure regulators protect pneumatic devices against overpressure. If the pressure exceeds the setpoint, the pressure valve exhausts to the atmosphere until the pressure level is below the setpoint. It is advisable to select the pressure range as near as possible to the maximum setpoint.	
<b>Media</b>	compressed air or non-corrosive gases	
<b>Overpressure</b>	max. 30 bar	
<b>Adjustment</b>	by plastic knob with snap-lock for DBC-01, by handwheel with locknut for DBC-02 / -04, by T-handle with locknut for DBC-08 to -16	
<b>Gauge port</b>	G $\frac{1}{4}$ from DBC-02 on, on both sides of the body, screw plugs supplied	
<b>Mounting position</b>	any	
<b>Temperature range</b>	0 °C to 60 °C / 32 °F to 140 °F	
<b>Material</b>	Body: aluminium Diaphragm: NBR/Buna-N with PTFE coating	O-rings: NBR/Buna-N, optionally FKM or EPDM Inner valve: brass



Dimensions			Reg. system	Relief capacity	Over-pressure	Connection thread	Adjustment range	Order number
A	B	C	D: diaphragm P: piston	l/min*1	max. bar	G	bar	

Back pressure regulator						made of aluminium, overpressure max. 30 bar	DBC	
40	82	13	D	200	30	G $\frac{1}{8}$	0.1 ... 1.5 0.2 ... 3.0 0.5 ... 8.0 1.0 ... 15	DBC-01A DBC-01B DBC-01D DBC-01E
78	157	33	D	300	30	G $\frac{1}{4}$	0.1 ... 1.5 0.2 ... 3.0 0.5 ... 8.0 1.0 ... 15	DBC-02A DBC-02B DBC-02D DBC-02E
82	167	38	D	1800	30	G $\frac{1}{2}$ *3	0.1 ... 1.5 0.2 ... 3.0 0.5 ... 8.0 1.0 ... 15	DBC-04A DBC-04B DBC-04D DBC-04E
127	275	69	D	4000	30	G1	0.1 ... 1.5 0.2 ... 3.0 0.5 ... 8.0 1.0 ... 15	DBC-08A DBC-08B DBC-08D DBC-08E
210	323	52	P	12000	30	G1 $\frac{1}{2}$	0.1 ... 1.5 0.2 ... 3.0 0.5 ... 8.0 1.0 ... 15	DBC-12A DBC-12B DBC-12D DBC-12E
210	323	52	P	12000	30	G2	0.1 ... 1.5 0.2 ... 3.0 0.5 ... 8.0 1.0 ... 15	DBC-16A DBC-16B DBC-16D DBC-16E



DBC-04D



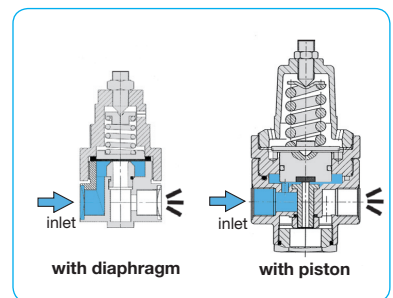
DBC-08D

### Special options, add the appropriate letter

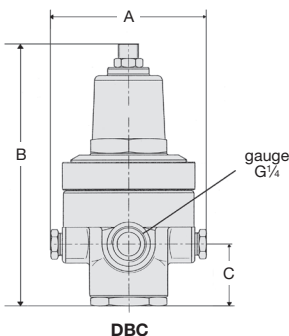
NPT	connection thread	DBC-...N
FKM o-ring	PTFE diaphragm	DBC-...V
EPDM o-ring	PTFE diaphragm	DBC-...E
flange connection	see chapter for stainless steel devices / flanges	DBC-...F

### Accessories, enclosed

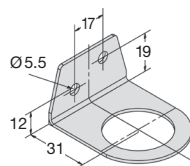
pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$	MA5002-..*2
pressure gauge	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	from G $\frac{1}{2}$ on	MA6302-..*2
mounting bracket	made of steel	for G $\frac{1}{8}$	BW30-02
mounting nut	made of aluminium	for G $\frac{1}{8}$	M30x1,5A
mounting bracket	made of steel	for G $\frac{1}{4}$ and G $\frac{1}{2}$	BW00-44
		for G1	BW00-42



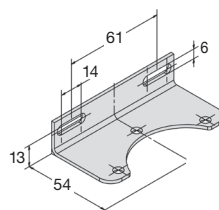
cross section



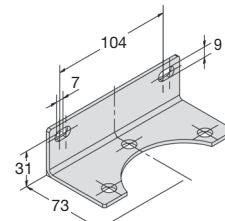
DBC



BW30-02



BW00-44



BW00-42

\*1 at 7 bar overpressure and open outlet

\*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar

\*3 G $\frac{3}{4}$  thread at outlet

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net



Order example:  
DBC-01A

