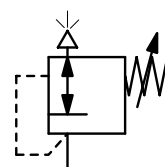


Description	Back pressure regulators protect pneumatic devices against overpressure. If the pressure exceeds the setpoint, the pressure valve exhausts to the atmosphere until the pressure level is below the setpoint. It is advisable to select the pressure range as near as possible to the maximum setpoint.		
Media	compressed air or non-corrosive gases		
Overpressure	max. 30 bar		
Adjustment	by plastic knob with snap-lock for DBC-01, by handwheel for DBC-02 to -A6 by T-handle with locknut for DBC-06 to -16		
Gauge port	G $\frac{1}{8}$ at DBC-01, G $\frac{1}{4}$ from DBC-02 on, on both sides of the body, screw plugs supplied		
Mounting position	any		
Temperature range	0 °C to 60 °C / 32 °F to 140 °F, for appropriately conditioned compressed air down to -20 °C / -4 °F		
Material	Body: aluminium Diaphragm: NBR/Buna-N with PTFE coating O-rings: NBR/Buna-N, optionally FKM or EPDM Inner valve: brass		



G $\frac{1}{8}$ up to G2
0.1 ... 1.5/15 bar

Dimensions			Regul. 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	
mm	mm	mm						



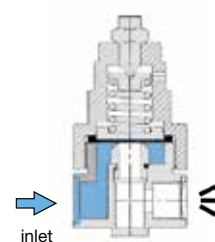
Aluminium back pressure regulator					overpressure max. 30 bar	DBC		
40	78	13	D	200	30	G $\frac{1}{8}$	0.2 ... 1.5	DBC-01A
							0.3 ... 3.0	DBC-01B
							0.8 ... 8.0	DBC-01D
							1.5 ... 15	DBC-01E
40	78	13	D	200	30	G $\frac{1}{4}$	0.2 ... 1.5	DBC-A2A
							0.3 ... 3.0	DBC-A2B
							0.8 ... 8.0	DBC-A2D
							1.5 ... 15	DBC-A2E
78	166	33	D	400	30	G $\frac{1}{4}$	0.2 ... 1.5	DBC-02A
							0.3 ... 3.0	DBC-02B
							0.8 ... 8.0	DBC-02D
							1.5 ... 15	DBC-02E
78	166	33	D	500	30	G $\frac{3}{8}$	0.2 ... 1.5	DBC-03A
							0.3 ... 3.0	DBC-03B
							0.8 ... 8.0	DBC-03D
							1.5 ... 15	DBC-03E
82	175	38	D	2200	30	G $\frac{1}{2}$	0.2 ... 1.5	DBC-04A
							0.3 ... 3.0	DBC-04B
							0.8 ... 8.0	DBC-04D
							1.5 ... 15	DBC-04E
82	175	38	D	2500	30	G $\frac{3}{4}$	0.2 ... 1.5	DBC-A6A
							0.3 ... 3.0	DBC-A6B
							0.8 ... 8.0	DBC-A6D
							1.5 ... 15	DBC-A6E



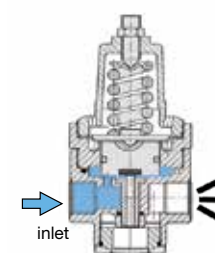
DBC-01/-A2



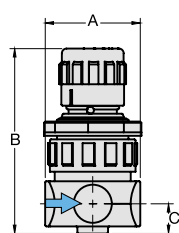
DBC-04/-A6



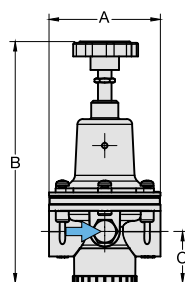
cross-section with diaphragm (D)



cross-section with piston (P)



DBC-01/-A2



DBC-02/-03/-04/-A6

*1 at 7 bar overpressure and open outlet

Gauges: see chapter for measuring devices

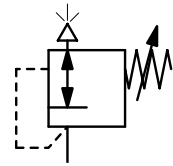
PDF CAD
www.aircom.net

* Product group



Order example:
DBC-01A

Description	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.		
Media	compressed air or non-corrosive gases		
Overpressure	max. 30 bar		
Adjustment	by plastic knob with snap-lock for DBC-01, by handwheel for DBC-02 to -A6 by T-handle with locknut for DBC-06 to -16		
Gauge port	G $\frac{1}{8}$ at DBC-01, G $\frac{1}{4}$ from DBC-02 on, on both sides of the body, screw plugs supplied		
Mounting position	any		
Temperature range	0 °C to 60 °C / 32 °F to 140 °F, for appropriately conditioned compressed air down to -20 °C / -4 °F		
Material	Body: aluminium Diaphragm: NBR/Buna-N with PTFE coating O-rings: NBR/Buna-N, optionally FKM or EPDM Inner valve: brass		



G $\frac{1}{8}$ up to G2
0.1 ... 1.5/15 bar

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



Aluminium back pressure regulator

overpressure max. 30 bar

DBC

215	393	128	P	12000	30	G1 $\frac{1}{2}$	0.2 ... 1.5	DBC-12A
							0.3 ... 3.0	DBC-12B
							0.8 ... 8.0	DBC-12D
							1.5 ... 15	DBC-12E
215	393	128	P	12000	30	G2	0.2 ... 1.5	DBC-16A
							0.3 ... 3.0	DBC-16B
							0.8 ... 8.0	DBC-16D
							1.5 ... 15	DBC-16E



DBC-12/-16
accessory pressure gauge

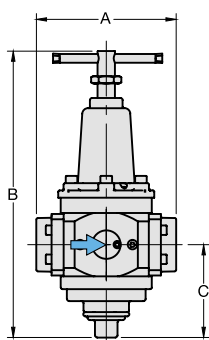
Special options, add the appropriate letter

NPT	connection thread	from G $\frac{1}{4}$ (02)	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.

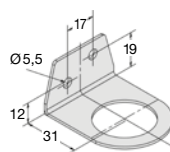
Accessories, enclosed



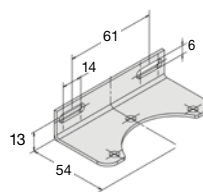
pressure gauges	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$	MA5002-...*2
pressure gauges	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	from G $\frac{1}{2}$	MA6302-...*2
mounting bracket	made of steel	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	BW30-02
mounting nut	made of aluminium	for G $\frac{1}{8}$ and G $\frac{1}{4}$ (A2)	M30x1,5A
mounting bracket	made of steel	for G $\frac{1}{4}$ (02) to G $\frac{3}{4}$ (A6)	BW00-44
set of mount. brackets	made of steel	for G $\frac{1}{2}$ and G2	BW00-61



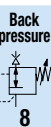
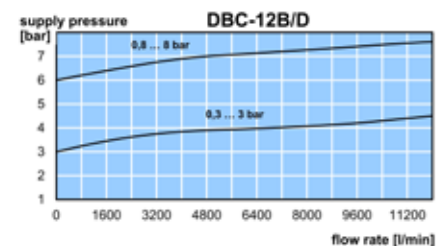
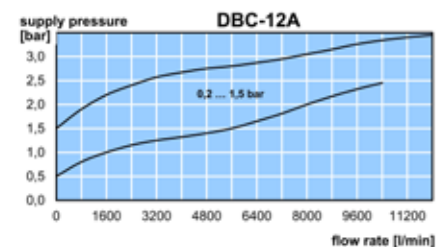
DBC-12/-16



BW30-02



BW00-44



*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

Gauges: see chapter for measuring devices

PDF CAD
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* Product group



Order example:
DBC-06A