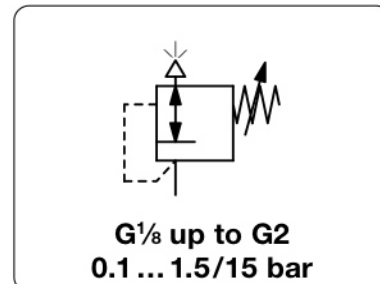


DBC - Déverneur de pression - Corps aluminium

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 T-handle with locknut for DBC-06 to -16	by handwheel for DBC-02 to -A6	
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	O-rings: NBR/Buna-N, optionally FKM or EPDM	Inner valve: brass
	Diaphragm: NBR/Buna-N with PTFE coating		



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	

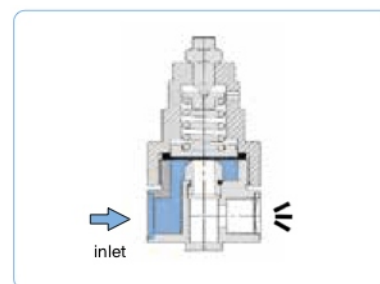
Aluminium back pressure regulator								overpressure max. 30 bar	DBC
40	82	13	D	200	30	G $\frac{1}{8}$	0.2...1.5	DBC-01A	
							0.3...3.0	DBC-01B	
							0.8...8.0	DBC-01D	
							1.5...15	DBC-01E	
40	82	13	D	200	30	G $\frac{1}{4}$	0.2...1.5	DBC-A2A	
							0.3...3.0	DBC-A2B	
							0.8...8.0	DBC-A2D	
							1.5...15	DBC-A2E	
78	167	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	167	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	178	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	178	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	



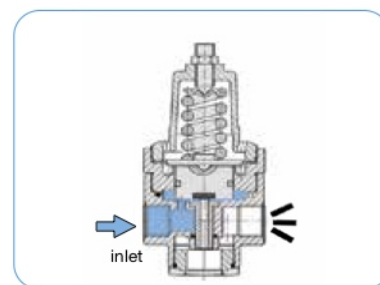
DBC-01/-A2



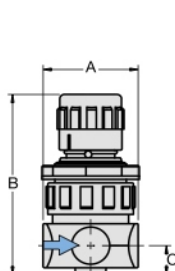
DBC-04/-A6



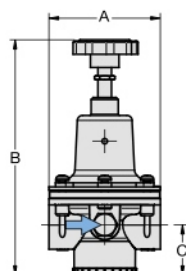
cross-section with diaphragm (D)



cross-section with piston (P)



DBC-01/-A2



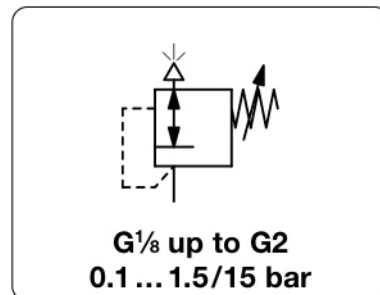
DBC-02/-03/-04/-A6

*1 at 7 bar overpressure and open outlet

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

DBC - Déverneur de pression - Corps aluminium

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	O-rings: NBR/Buna-N, optionally FKM or EPDM	Inner valve: brass
	Diaphragm: NBR/Buna-N with PTFE coating		



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	

Aluminium back pressure regulator							overpressure max. 30 bar	DBC
215	393	128	P	12000	30	G $\frac{1}{2}$	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



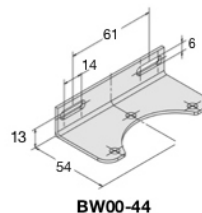
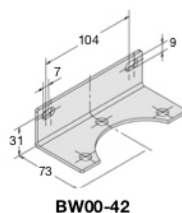
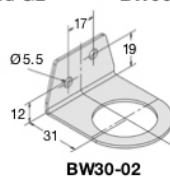
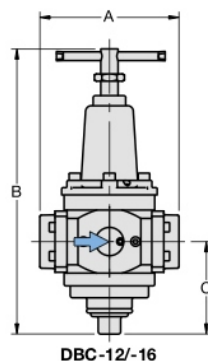
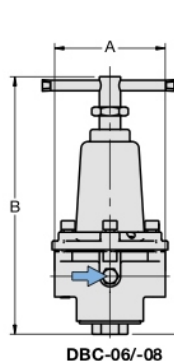
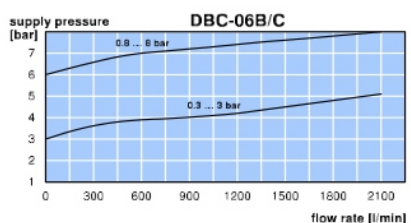
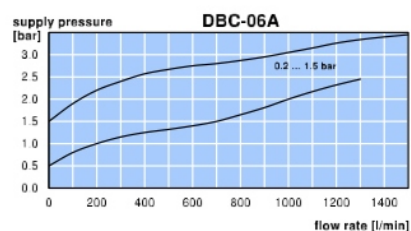
DBC-12/-16

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
		for G $\frac{3}{4}$ (06) and G1	BW00-42
		for G1 $\frac{1}{2}$ and G2	BW00-61
set of mount. brackets	made of steel		



*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