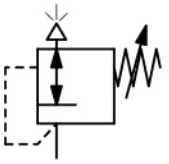
DBC - Déverseur de pression, basse pression

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	G⅛ at DBC-01, G¼ 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 Diaphragm: NBR/Buna-N with PTFE coating Inner valve: brass

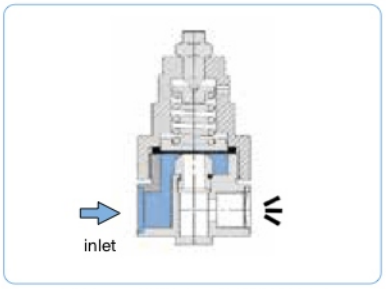


G⅛ up to G2
0.1 ... 1.5/15 bar

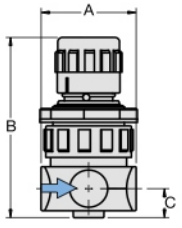
Dimensions A mm	B mm	C mm	Regul. system **D:** diaphragm **P:** piston	Relief capacity l/min*1	Over-pressure max. bar	Connection thread G	Adjustment range bar	Order number
Aluminium back pressure regulator					overpressure max. 30 bar			**DBC**
40	82	13	D	200	30	G⅛	0.2 ... 1.5	**DBC-01A**
							0.3 ... 3.0	**DBC-01B**
							0.8 ... 8.0	**DBC-01D**
							1.5 ... 15	**DBC-01E**
40	82	13	D	200	30	G¼	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	G¼	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	G⅜	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	G½	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	G¾	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

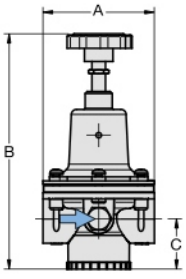
DBC-04/-A6



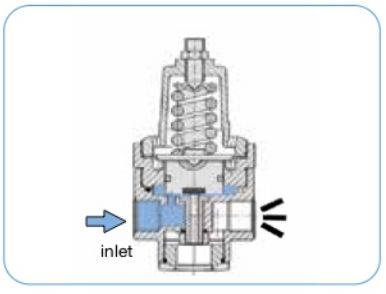
cross-section with diaphragm (D)



DBC-01/-A2



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



cross-section with piston (P)

*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

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DBC - Déverseur de pression, basse pression

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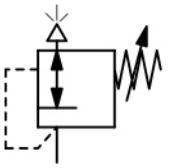
Overpressure	max. 30 bar
Adjustment	by plastic knob with snap-lock for DBC-01, by handwheel for DBC-02 to -A6 by T-handle with locknut for DBC-06 to -16
Gauge port	G⅛ at DBC-01, G¼ from DBC-02 on, on both sides of the body, screw plugs supplied
Mounting position	any
Temperature range	0 °C to 60 °C / 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 Diaphragm: NBR/Buna-N with PTFE coating Inner valve: brass



G⅛ up to G2
0.1 ... 1.5/15 bar

Dimensions A mm	B mm	C mm	Regul. system **D:** diaphragm **P:** piston	Relief capacity l/min*1	Over-pressure max. bar	Connection thread G	Adjustment range bar	Order number
Aluminium back pressure regulator				overpressure max. 30 bar				**DBC**
215	393	128	P	12000	30	G1½	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**

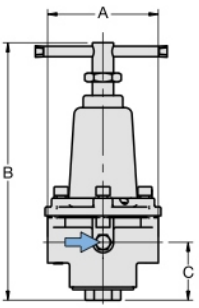
DBC-12/-16

Special options, add the appropriate letter

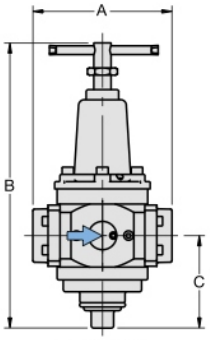
NPT	connection thread	from G¼ (02)	DBC-...**N**
FKM o-ring	PTFE-diaphragm		DBC-...**V**
EPDM o-ring	PTFE-diaphragm		DBC-...**E**
flange connection	see chapter for stainless steel devices / flanges		DBC-...**F.**

Accessories, enclosed

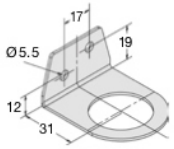
pressure gauges	Ø 50 mm, 0...*2 bar, G¼	for G¼	**MA5002-..*2**
pressure gauges	Ø 63 mm, 0...*2 bar, G¼	from G½	**MA6302-..*2**
mounting bracket	made of steel	for G⅛ and G¼ (A2)	**BW30-02**
mounting nut	made of aluminium	for G⅛ and G¼ (A2)	**M30x1,5A**
mounting bracket	made of steel	for G¼ (02) to G¾ (A6)	**BW00-44**
		for G¾ (06) and G1	**BW00-42**
set of mount. brackets	made of steel	for G1½ and G2	**BW00-61**



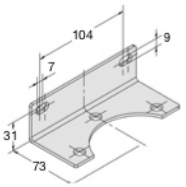
DBC-06/-08



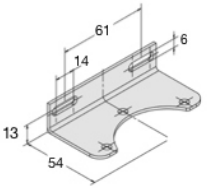
DBC-12/-16



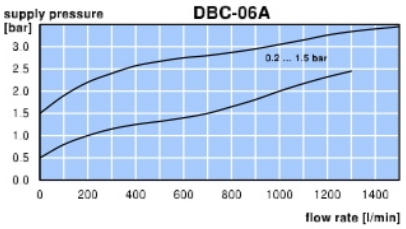
BW30-02

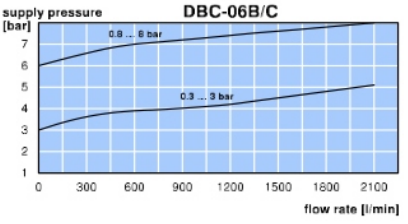


BW00-42



BW00-44





*1 at 7 bar overpressure and open outlet
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*3 G¾ thread at outlet

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