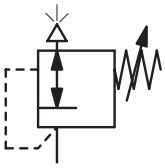
Aluminium Low Back Pressure Regulator DBC

Description	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.
Media	compressed air or non-corrosive gases
Overpressure	see chart
Adjustment	by handwheel with locknut for DBC-04 by hexagonal spindle (spanner size 24 mm) with locknut for DBC-08 / -16
Gauge port	G¼ for operation pressure, on both sides of the body, connection parts required
Mounting position	any
Temperature range	0 °C to 60 °C / 32 °F to 140 °F
Material	Body: aluminium Diaphragm: NBR/Buna-N with PTFE coating O-rings: NBR/Buna-N, optionally FKM or EPDM Inner valve: brass



G½ up to G2
5…45 / 6000 mbar

Dimensions A mm	B mm	C mm	Relief capacity l/min*1	Over-pressure max. bar	Connection thread G	Adjustment range bar	Order number
Back pressure regulator			made of aluminium, NBR/Buna-N with PTFE coating				**DBC**
80	180	38	200	3	G½	5… 45	**DBC-04N**
			500	3		20… 200	**DBC-04P**
			800	6		150… 700	**DBC-04Q**
127	305	67	2500	3	G1	20… 50	**DBC-08N**
				3		50… 100	**DBC-08P**
				6		100… 700	**DBC-08Q**
				12		600…6000	**DBC-08R**
202	360	52	6500	3	G2	20… 50	**DBC-16N**
				3		50… 150	**DBC-16P**
				6		150… 300	**DBC-16Q**
				12		300…3000	**DBC-16R**

DBC-04P

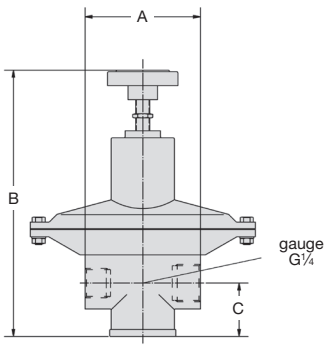
DBC-08Q

Special options, add the appropriate letter

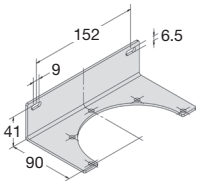
NPT	connection thread	DBC-…**N**
FKM o-ring	PTFE diaphragm	DBC-…**V**
EPDM o-ring		DBC-…**E**
flange connection	see chapter for stainless steel devices / flanges	DBC-…**F.**

Accessories, enclosed

pressure gauge	Ø 63 mm, 0…*2 mbar, G¼, capsule,	up to 400 mbar	**MA6302-..***2
	Ø 63 mm, 0…*2 bar, G¼, Bourdon tube,	from 1 bar on	**MA6302-..***2
connection parts	required for pressure gauge		**AM-01**
mounting bracket	made of stainless steel	for G½	**BW00-26S**



DBC



BW00-26S

*1 at 6 bar overpressure and open outlet
*2 **B6** = 0…60 mbar, **C2** = 0…160 mbar, **C4** = 0…400 mbar, **01** = 0...1 bar, **04** = 0...4 bar, **06** = 0…6 bar

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

Order example: DBC-04N