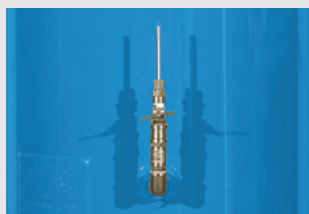
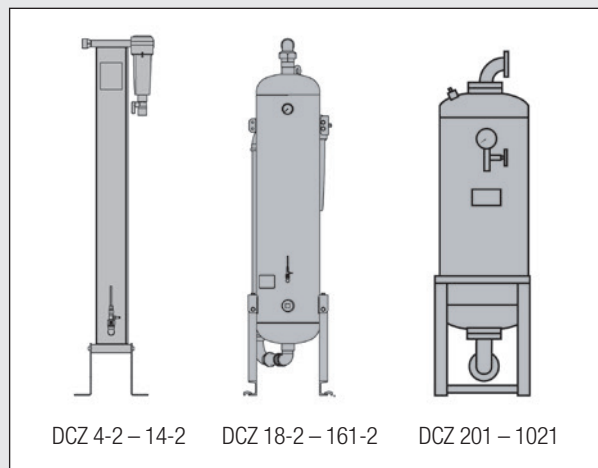


No oil vapours, no odours: Activated Carbon Adsorber **DCZ 4-2** to **DCZ 1021**

Flow capacity:
8–6100 m³/h, 5–3590 cfm
Max. operating pressure:
up to 16 bar, 230 psig

**For the ultimate in
clean compressed air!**



HOW IT WORKS

BOGE activated carbon adsorbers are filled with special high-quality activated carbon which the air passes through from above. Ideal contact time, air flow-rate and carbon bed depth result in consistently high compressed air quality with a residual oil content of up to 0.003 mg/m³.

OIL INDICATOR

Every BOGE activated carbon adsorber is fitted with an easy-to-read oil indicator as standard. This allows you to continuously monitor the compressed air quality to ensure that even the smallest oil aerosol particles (and unpleasant odours) are reliably filtered out of the compressed air.

FOR LONGER SERVICE LIFE

The mere presence of undefined intake oil content makes it generally necessary to fit a microfilter upstream of the activated carbon adsorber. BOGE F.M original filters guarantee ideal results and have the added effect of considerably extending the service life.

F.P. FILTER INCLUDED

Fitting a downstream BOGE F.P. filter after the activated carbon adsorber prevents finest solid particles from escaping from the activated carbon bed and passing into the compressed air. This filter is even included as part of the supply package in all models up to and including the DCZ-161-21.

Compressed air quality of the very highest standard can only be achieved with a **BOGE activated carbon adsorber**. Only this can bind even the smallest oil aerosol particles that would not be achieved by a conventional filter line alone. These models ensure controlled clean compressed air over a long service life – with a minimal residual oil content of up to 0,003 mg/m³.

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BOGE type	Capacity*		Dimensions W x D x H mm	Connection	Max. pressure bar	Weight kg
	m ³ /h	cfm				
DCZ 4-2	8	5	236 x 225 x 400	G 1/4	16	6,0
DCZ 5-2	15	9	236 x 225 x 575	G 1/4	16	7,5
DCZ 6-2	25	15	236 x 225 x 825	G 1/4	16	10,0
DCZ 8-2	35	21	236 x 225 x 1075	G 1/4	16	12,0
DCZ 9-2	56	33	347 x 300 x 1203	G 1/2	16	25,5
DCZ 11-2	72	42	347 x 300 x 1428	G 1/2	16	30,0
DCZ 14-2	86	50	347 x 300 x 1628	G 3/4	16	33,5
DCZ 18-2	105	62	420 x 480 x 1450	G 1	16	59,0
DCZ 26-2	145	85	420 x 480 x 1780	G 1	16	70,0
DCZ 36-2	200	118	340 x 480 x 1550	G 1	16	70,0
DCZ 46-2	255	150	360 x 515 x 1785	G 1 1/2	16	82,0
DCZ 61-2	350	206	370 x 515 x 1805	G 1 1/2	16	92,0
DCZ 71-2	420	247	400 x 535 x 1830	G 1 1/2	16	109,0
DCZ 101-2	620	365	460 x 615 x 1930	G 2	16	140,0
DCZ 126-2	750	441	480 x 615 x 2010	G 2	16	172,0
DCZ 161-2	940	553	520 x 645 x 2080	G 2 1/2	16	215,0
DCZ 201	1200	706	500 x 840 x 2070	DN 50	10	235,0
DCZ 261	1550	912	500 x 900 x 2110	DN 65	10	275,0
DCZ 341	2000	1177	650 x 990 x 2150	DN 65	10	340,0
DCZ 421	2500	1471	650 x 1040 x 2210	DN 80	10	385,0
DCZ 501	3000	1766	720 x 1100 x 2230	DN 80	10	440,0
DCZ 646	3800	2237	850 x 1200 x 2340	DN 100	10	520,0
DCZ 811	4850	2855	860 x 1250 x 2640	DN 100	10	650,0
DCZ 1021	6100	3590	960 x 1150 x 2820	DN 125	10	950,0

*m³/h at 1 bar and 20 °C at 7 bar compression and 35 °C inlet temperature at 20% rel. humidity. Receiver as per PED individual acceptance/CE standard.

Conversion factors

Operating pressure bar	4	5	6	7	8	9	10	12	14	16
Factor P	0,62	0,75	0,89	1,00	1,08	1,26	1,36	1,62	1,79	2,14
Inlet temp. °C	20	25	30	35	40	45	50			
Factor T	1,01	1,01	1,01	1,00	0,85	0,75	0,50			

Example:

Volume flow rate 150 m³/h
 Min. oper. pressure 8 bar (ü)
 Max. inlet temp. +40 °C
 Factor P from table 1,08
 Factor T from table 0,85

To calculate the specific adsorber capacity

$$\frac{\text{eff. capacity}}{\text{factor P x T}} = \frac{150 \text{ m}^3/\text{h}}{1,08 \times 0,85} = 163,4 \text{ m}^3/\text{h}$$

Selected model DCZ 36-2.