

Activated Carbon Adsorber DCZ 4-2 to DCZ 161-2

Flow capacity: 8–940 m³/h, 5–553 cfm
Max. operating pressure: 16 bar, 230 psig



OPTIMISED PROCESS

A large volume of activated carbon of optimal quality and an ideal contact time, air flow-rate and bed depth ensure absolutely reliable compressed-air treatment.

LONG SERVICE LIFE

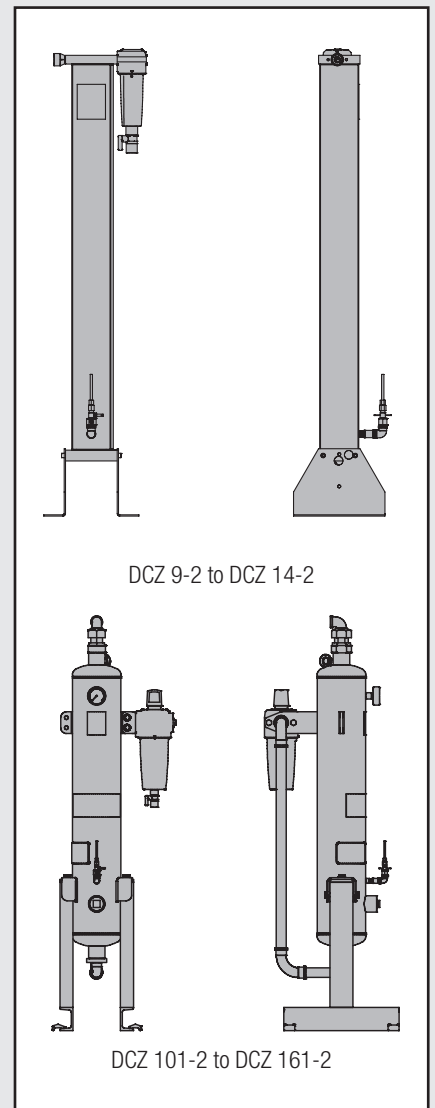
To protect against oil and water droplets and to extend service life, BOGE microfilters should be installed upstream of the activated carbon adsorber.

OIL INDICATOR

The activated carbon adsorber has an oil indicator as standard, enabling you to continuously monitor the compressed air quality.

PRE-FILTERS

We recommend installing a BOGE pre-filter (included in the scope of supply) downstream of the activated carbon adsorber as solid micro-particles can migrate from the activated carbon bed into the compressed air. This ensures high quality compressed air.



Consistently clean compressed air throughout a long service life: If you require compressed air with a particularly low residual oil content of 0.003 mg/m³, the activated carbon adsorber is the right choice for your compressed-air treatment. It filters out even the finest oil vapours, which may already be present in the intake air, to meet the highest standards of compressed-air quality.

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BOGE model	Capacity*		Dimensions W x D x H mm	Connection	Max. pressure bar	Weight kg
	m ³ /h	cfm				
DCZ 4-2	8	5	219 x 210 x 390	G 1/4	16	2.9
DCZ 5-2	15	9	219 x 210 x 565	G 1/4	16	4.4
DCZ 6-2	25	15	219 x 210 x 815	G 1/4	16	6.0
DCZ 8-2	35	21	219 x 210 x 1065	G 1/4	16	9.0
DCZ 9-2	56	33	313 x 300 x 1185	G 3/8	16	23.0
DCZ 11-2	72	42	313 x 300 x 1410	G 3/8	16	28.0
DCZ 14-2	86	50	313 x 300 x 1610	G 1/2	16	33.0
DCZ 18-2	105	62	245 x 400 x 1380	G 1	16	45.0
DCZ 26-2	145	85	265 x 300 x 1630	G 1	16	50.0
DCZ 36-2	200	118	270 x 400 x 1645	G 1	16	65.0
DCZ 46-2	255	150	300 x 400 x 1705	G 1	16	95.0
DCZ 61-2	350	206	325 x 400 x 1740	G 1 1/2	16	105.0
DCZ 71-2	420	247	355 x 500 x 1755	G 1 1/2	16	120.0
DCZ 101-2	620	365	410 x 500 x 1795	G 1 1/2	16	160.0
DCZ 126-2	750	441	440 x 500 x 1930	G 2	16	200.0
DCZ 161-2	940	553	490 x 500 x 1950	G 2	16	250.0

Higher capacities available on request

 *m³/h at 1 bar to DIN ISO 7183

Receiver as per PED individual acceptance/CE standard

Conversion factor: 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
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: Oil to be removed from the compressed air.

Volume flow rate	150 m ³ /h	$\frac{\text{eff. capacity}}{\text{factor P} \times \text{T}} = \frac{150 \text{ m}^3/\text{h}}{1.08 \times 0.85} = 163.4 \text{ m}^3/\text{h}$
Min. operating pressure	8 bar (g)	
Max. inlet temp.	+40 °C	
Factor P from table	1.08	Selected model DCZ 36-2.
Factor T from table	0.85	