BOGE AIR. THE AIR TO WORK.

BOGE COMPRESSED AIR SYSTEMS

# For quality air and purest advantages: BOGE Converter BLUEKAT **BC 5-...BC 540** to **BC 65 HP-...BC 130 HP**

BC 11

BC 540

**Absolutely oil free compressed air** – irrespective of intake air quality! With frequency controlled option.




### HIGH OPERATING SAFETY

The system is designed to make downstream oil penetration and the resulting transfer of oil to the compressed air impossible thanks to an innovative catalyst system and the temperature and pellet combination in the vessel (residual oil content: < 0.01 mg/Nm³). Installation directly downstream of the compressor is ideal.

### MAINTENANCE FRIENDLY

Service life of 15,000 or 20,000 operating hours means maintenance is reduced to an absolute minimum. Because the converter does not require filtration subsequent element changes are eliminated.

### VARIABLE VOLUME FLOW

The converter can also be installed downstream of a frequency controlled machine or downstream of several fixed speed machines: in this case, an optional variable flow module should be specified. The converter operates absolutely reliably from 20 to 100 percent of its capacity.

### EFFICIENCY

The converter operates with an extremely low energy consumption level between 0.01 kWh/Nm³ to 0.005 kWh/Nm³. It utilizes energy more efficiently and is considerably more cost-effective than conventional treatment processes and technologies.

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**BOGE KOMPRESSOREN**
**Otto Boge GmbH & Co. KG**
P.O. Box 10 07 13 · 33507 Bielefeld
Otto-Boge-Straße 1–7 · 33739 Bielefeld
phone +49 5206 601-0
fax +49 5206 601-200
info@boge.com · **www.boge.com**

**Absolute oil free, absolutely ecological:** The BOGE converter BLUEKAT offers completely new possibilities for producing absolutely oil free compressed air according to quality Class 0 (ISO 8573-0). The purchase and operating costs are lower when compared to an oil free compressor with a traditional treatment system – and it runs absolutely trouble free. Due to its innovative catalyst system only ultra clean condensate is produced – absolutely environment-friendly.

## OPERATING PRINCIPLE BLUEKAT

The BOGE converter BLUEKAT catalyst system ensures the long hydrocarbon chains of the residual oil contained in the compressed air are split up into carbon dioxide and water – substances which are present in natural air. The catalyst material is stored as granulated and compact bulk material in a receiver and compressed air circulates around it. Simultaneously, both oil droplets and oil vapours are cracked which means that both compressed air and any resultant condensate are absolutely oil free.

**Potential applications:**

- blowing air (PET)
- medical science (breathing air)
- food industry
- pharmaceutical industry
- chemical industry
- electrical industry
- and many more

| BOGE Type | Flow rate at 7 bar m³/min | Flow rate at 45 bar m³/min | Max. overpressure bar | Connection | Specific power input kWh/m³ | Supply voltage V | Dimensions* L x B x H mm | Weight* kg |
|---|---|---|---|---|---|---|---|---|
| BC 5 | 0.43 | – | 16 | G ½ | 0.009 | 230 | 340 x 700 x 1400 | 60 |
| BC 11 | 1.08 | – | 16 | G ½ | 0.009 | 230 | 455 x 860 x 1455 | 140 |
| BC 22 | 2.16 | – | 16 | G 1 | 0.009 | 230 | 455 x 860 x 1655 | 160 |
| BC 55 | 5.40 | – | 16 | G 1¼ | 0.007 | 400 | 620 x 1175 x 1890 | 360 |
| BC 75 | 7.56 | – | 16 | G 1½ | 0.006 | 400 | 620 x 1175 x 1890 | 410 |
| BC 110 | 10.80 | – | 16 | G 1½ | 0.005 | 400 | 815 x 1630 x 2100 | 590 |
| BC 160 | 16.20 | – | 16 | DN 50 | 0.005 | 400 | 880 x 1630 x 2100 | 770 |
| BC 210 | 21.60 | – | 16 | DN 65 | 0.005 | 400 | 1140 x 1900 x 2150 | 900 |
| BC 330 | 32.40 | – | 16 | DN 65 | 0.005 | 400 | 1140 x 1900 x 2150 | 1100 |
| BC 430 | 43.20 | – | 16 | DN 80 | 0.005 | 400 | 900 x 2200 x 2240 | 1500 |
| BC 540 | 54.00 | – | 16 | DN 100 | 0.005 | 400 | 900 x 2250 x 2240 | 1700 |
| BC 65 HP | – | 6.48 | 45 | G 1 | 0.010 | 230 | 965 x 400 x 1518 | 130 |
| BC 130 HP | – | 12.96 | 45 | G 1 | 0.006 | 400 | 965 x 400 x 1518 | 240 |

*without frequency controlled option

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