

For uncompromisingly pure compressed air: BOGE converter bluekat **BC 5-... BC 330**



Absolutely oil free class 0 compressed air –
regardless of the quality of the intake air!
Optionally also for frequency-controlled machines.

BC 11



SAFE

The innovative converter system offers reliable protection from oil breakthrough and the resulting contamination of compressed air with oil. The BOGE converter bluekat can also be easily installed directly downstream of a receiver to reduce the residual oil content to $< 0.0025 \text{ mg/Nm}^3$.

DEFENSIVE

Whether PET or respiratory air is involved – BOGE converters bluekat ensure top-quality compressed air. Silicones are converted to silicates by the catalytic material, while microorganisms and bacteria are significantly reduced – ideal for example with paintshop applications and for the food-processing, pharmaceutical or electrical industry.

FLEXIBLE

You can also connect the converter downstream of frequency-controlled machines or several rigid machines – the optional module ensures a variable volume flow rate. Operation of the converter will then be absolutely reliable with a volume flow ranging from 20 to 110 percent.

EFFICIENT

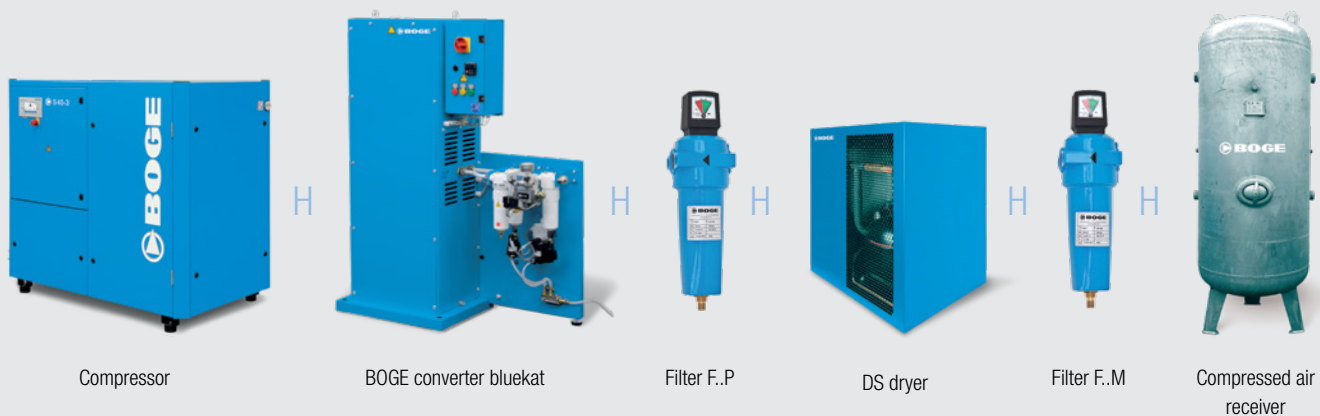
The converter operates with an extremely low energy consumption of approx. 0.01 kWh/Nm^3 to 0.005 kWh/Nm^3 . In terms of energy it is significantly more efficient and economical than conventional treatment methods and technologies.

Absolutely oil free, absolutely ecological: The BOGE converter bluekat offers unprecedented options for the environmentally friendly production of absolutely oil free compressed air to quality class 0 (ISO 8573-1:2010). In terms of purchase and operation it is more affordable than an oil free compressor or conventional treatment system while still functioning with maximum safety. The innovative converter system also does away with the need for condensate disposal. This is why BOGE converters bluekat have been used successfully for compressed air treatment for years – and not just in the automotive and chemical industry.

**BOGE Compressed Air Systems
GmbH & Co. KG**

Otto-Boge-Straße 1–7 · 33739 Bielefeld
 Tel. +49 5206 601-0 · Fax +49 5206 601-200
 info@boge.com · boge.com

STRUCTURE OF A COMPRESSED AIR STATION WITH A BOGE CONVERTER BLUEKAT



BOGE converters bluekat make active use of technology to turn oil and hydrocarbons contained in compressed air into water and CO₂ – i.e. into substances that occur naturally in air. Regardless of the quality of the intake air, they continuously deliver Class 0 compressed air complying with ISO 8573-1 in terms of residual oil content (< 0.0025 mg oil/Nm³) as well as oil free condensate.

Applications:

- Blow air (PET)
- Food processing industry
- Chemical industry
- and many others.
- Medicine (respiratory air)
- Pharmaceutical industry
- Electrical industry

BOGE Type	Flow rate at		Max. over-pressure bar	Connection		Specific power consumption kWh/m ³	Supply voltage V	Dimensions * L x W x H mm	Weight * kg
	7 bar m ³ /min	45 bar m ³ /min		Inlet	Outlet				
BC 5	0.43	–	16	G ½	G 1	0.009	230	700 x 339 x 1397	63
BC 11	1.08	–	16	G ½	G 1	0.009	230	975 x 455 x 1464	140
BC 22	2.16	–	16	G 1	G 1	0.009	230	975 x 455 x 1664	165
BC 55	5.40	–	16	G 1¼	G 2	0.007	400	1175 x 711 x 1887	366
BC 75	7.56	–	16	G 1½	G 2	0.006	400	1175 x 711 x 1887	409
BC 110	10.80	–	16	G 1½	G 2	0.005	400	1630 x 873 x 2104	595
BC 160	16.20	–	16	G 2	DN 50	0.005	400	1630 x 923 x 2104	770
BC 210	21.60	–	16	G 2½	DN 65	0.005	400	1895 x 1191 x 2154	940
BC 330	32.40	–	16	G 2½	DN 65	0.005	400	1895 x 1191 x 2154	1140

*Without an option for variable volume flow

** Straight connector coupling (Ermeto)