



## BOGE BLUEKAT

Delivery rate: 1.19–7.52 m<sup>3</sup>/min, 43–266 cfm

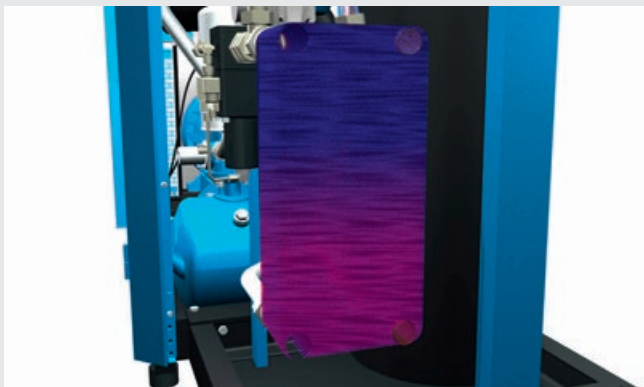
Pressure range: 7.5–13 bar, 110–190 psig

Power output: 30–45 kW, 40–60 HP

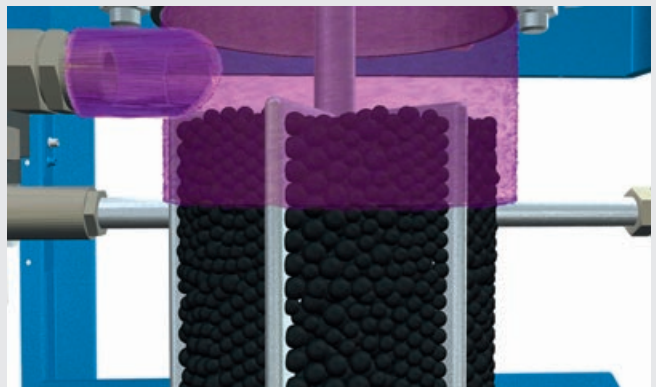


# BOGE BLUEKAT: Yes, oil-free compressed air really can be this safe and economical!

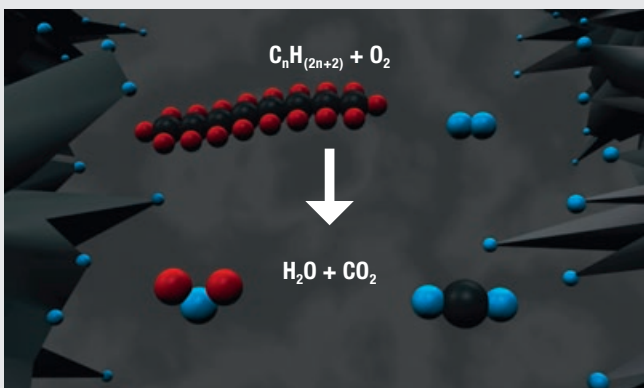
## ABSOLUTELY SAFE: THE BLUEKAT PRINCIPLE



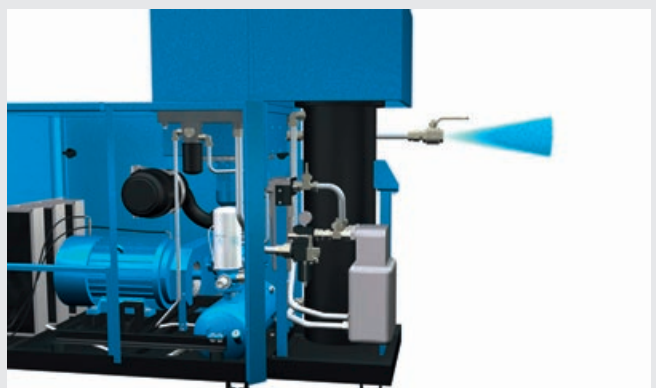
1. The compressed air is pre-heated to 200°C.



2. The pre-heated air flows into the integrated BOGE converter.



3. The catalytic material in the converter causes hydrocarbon to oxidise to carbon dioxide and water.



4. The produced BOGE air is oil-free to Class 0, the highest class.

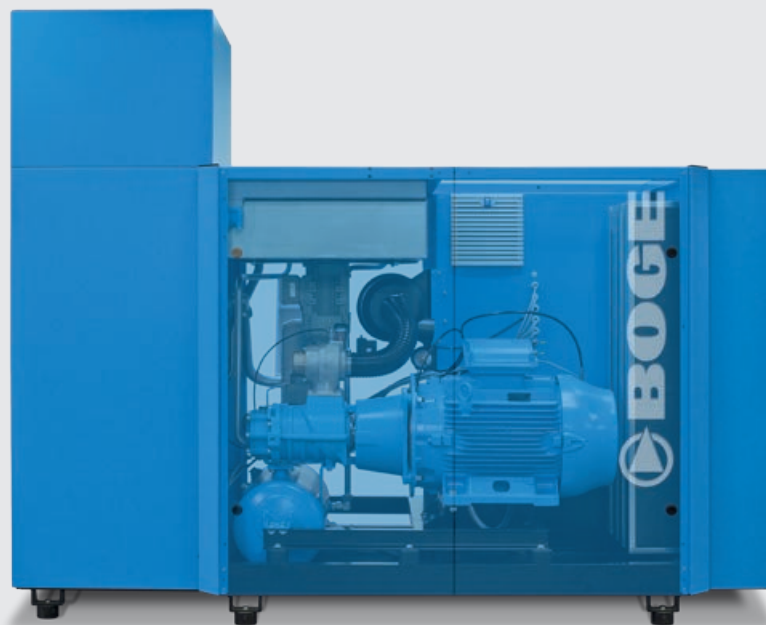
### OIL-FREE COMPRESSED AIR, WATER-WHITE CONDENSATE: TESTED BY TÜV SÜD

The BOGE BLUEKAT models operate with an integrated BOGE converter. It reliably oxidises hydrocarbon (oil) to water and carbon dioxide, leaving no residues to clean or maintain. Since the converter has an overload protective device, it cannot be overloaded. There is no chance of oil breakthrough, which is a possibility when incorrect filters are used. **The outcome is Class 0 oil-free compressed air and water-white condensate. Absolutely safe and tested by TÜV SÜD.**



You can find more information and a product animation at [www.boge.com/bluekat](http://www.boge.com/bluekat) – or simply scan the QR code!

**BOGE BLUEKAT: In an oil-free class of its own.** BOGE BLUEKAT series screw compressors enable you to produce Class 0 oil-free compressed air and also spare you the trouble of disposing of the condensate. Regardless of the quality of the intake air, the principle is absolutely safe and unbeatably economical compared with conventional oil-free screw compressors. It is ideal for sensitive industrial applications wanting to produce oil-free compressed air safely and smartly.



**Class 0**

#### ABSOLUTELY OIL-FREE

The BOGE BLUEKAT models have an integrated converter that reliably oxidises the oil in the compressed air to carbon dioxide and water. The produced compressed air is oil-free to ISO 8573-1 Class 0 and this is tested and certified by TÜV SÜD. Nothing but oil-free condensate arises at all points in the process.



#### ABSOLUTELY SAFE

The converter principle stands for absolutely safe oil-free compressed air. The converter has an overload protective device and cannot be overloaded. This is thus the safe option for users from the pharmaceutical, chemical, semiconductor and food industries.



**Efficiency**

#### ABSOLUTELY EFFICIENT

State-of-the-art BOGE IE3 motors ensure that all BOGE BLUEKAT models are powered efficiently. Among the machines available is a variable-speed model, which flexibly adjusts the speed of the drive motor and compressor stage to match demands. It's hard to imagine a more efficient compressor!



#### ABSOLUTELY ECONOMICAL

With the BOGE BLUEKAT principle you save in multiple ways: You no longer need any expensive filter technology. There is no more costly condensate disposal. And when you add the energy savings of the IE3 motor to the considerable saving on procurement and maintenance, you will see how economical oil-free compressed air can be!

## OVERVIEW OF BOGE BLUEKAT MODELS

| BOGE model       | Max. pressure** |      | Effective delivery rate* |          | Rated power |    |           |     | Dimensions <sup>1)</sup> | Dimensions <sup>2)</sup> | Compressed air outlet | Weight silenced kg | Weight super-silenced kg |
|------------------|-----------------|------|--------------------------|----------|-------------|----|-----------|-----|--------------------------|--------------------------|-----------------------|--------------------|--------------------------|
|                  | bar             | psig | m <sup>3</sup> /min      | cfm      | Main drive  |    | Fan motor |     | silenced W x D x H       | super silenced W x D x H |                       |                    |                          |
|                  |                 |      |                          |          | kW          | HP | kW        | HP  | mm                       | mm                       |                       |                    |                          |
| S 40-3 BLUEKAT   | 7.5             | 110  | 5.47                     | 194      | 30          | 40 | 0.75      | 1.0 | 2258x960x1955            | –                        | G 1¼                  | 1100               | –                        |
|                  | 8               | 115  | 5.31                     | 188      | 30          | 40 | 0.75      | 1.0 | 2258x960x1955            | –                        | G 1¼                  | 1100               | –                        |
|                  | 10              | 150  | 4.77                     | 169      | 30          | 40 | 0.75      | 1.0 | 2258x960x1955            | –                        | G 1¼                  | 1100               | –                        |
|                  | 13              | 190  | 3.91                     | 139      | 30          | 40 | 0.75      | 1.0 | 2258x960x1955            | –                        | G 1¼                  | 1100               | –                        |
| SLF 40-3 BLUEKAT | 7.5             | 110  | 1.30 - 5.48              | 46 - 194 | 30          | 40 | 0.75      | 1.0 | 2470x966x1955            | –                        | G 1¼                  | 1171               | –                        |
|                  | 8               | 115  | 1.30 - 5.31              | 46 - 188 | 30          | 40 | 0.75      | 1.0 | 2470x966x1955            | –                        | G 1¼                  | 1171               | –                        |
|                  | 10              | 150  | 1.30 - 4.75              | 46 - 168 | 30          | 40 | 0.75      | 1.0 | 2470x966x1955            | –                        | G 1¼                  | 1171               | –                        |
|                  | 13              | 190  | 1.26 - 4.01              | 45 - 149 | 30          | 40 | 0.75      | 1.0 | 2470x966x1955            | –                        | G 1¼                  | 1171               | –                        |
| S 50-3 BLUEKAT   | 7.5             | 110  | 6.64                     | 235      | 37          | 50 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1320                     |
|                  | 8               | 115  | 6.45                     | 228      | 37          | 50 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1320                     |
|                  | 10              | 150  | 5.77                     | 204      | 37          | 50 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1320                     |
|                  | 13              | 190  | 4.92                     | 174      | 37          | 50 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1320                     |
| S 60-3 BLUEKAT   | 7.5             | 110  | 7.52                     | 266      | 45          | 60 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1470                     |
|                  | 8               | 115  | 7.30                     | 258      | 45          | 60 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1470                     |
|                  | 10              | 150  | 6.54                     | 231      | 45          | 60 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1470                     |
|                  | 13              | 190  | 5.60                     | 198      | 45          | 60 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1470                     |
| SF 60-3 BLUEKAT  | 7.5             | 110  | 1.63 - 7.52              | 58 - 266 | 45          | 60 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1535                     |
|                  | 8               | 115  | 1.58 - 7.30              | 56 - 258 | 45          | 60 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1535                     |
|                  | 10              | 150  | 1.43 - 6.53              | 51 - 231 | 45          | 60 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1535                     |
|                  | 13              | 190  | 1.19 - 5.67              | 43 - 201 | 45          | 60 | 1.5       | 2.0 | –                        | 2258x960x1955            | G 1¼                  | –                  | 1535                     |

\* Performance of the overall system in accordance with ISO 1217, Appendix C, at 20 °C ambient temperature and relevant pressure. Sound pressure emission level in accordance with DIN EN ISO 2151: 2009 from 68 dB(A).

\*\* Max. pressure of the compressor, the 7.5 bar indications are to be provided as reference values. The machines are shipped standard in 8 bar.

<sup>1)</sup>super-silenced on the intake side <sup>2)</sup>super-silenced on the intake and on the exhaust air side



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