

# The BOGE SG Range

## Happy to work non-stop.



Extremely low maintenance  
and a long life thanks to new  
geared airend!



### READY FOR ANYTHING

No matter where, no matter for how long: the new SG screw compressors made by BOGE make no demands regarding operating conditions or duty cycles. The integrated gears guarantee practically wear-free operation, even in continuous operation and in particularly dusty environments.



### TO SATISFY THE HIGHEST DEMANDS

Since SG screw compressors manage without a belt drive, there is no need for V-belt maintenance. This is not only good for the budget, but also increases availability. With regard to economic efficiency, durability and operational reliability, the SG range meets even the highest demands.



### FOR QUICK CONTROL

The SG range uses the new modular **focus control 2.0\*** system: this is the most advanced control system within the industry. Its intuitive user interface makes life particularly easy for users. And in addition to an efficiency display and the BOGE leakage monitor, it now even offers RFID access for the first time.



### FOR MORE EFFICIENCY

Long maintenance intervals are not the only design benefit of the SG series: The low-loss integrated gears allow the compressor to work at the optimal operating point at all times. This means that the compressor can always adapt perfectly to the currently required pressure and air delivery.

\* optionally. Delivered as standard with FOCUS control.

**Undemanding in operation:** The combination of direct drive and integrated gears makes the BOGE SG range of screw compressors fit for every type of application. **The best:** The wear-free, low-maintenance power transmission makes particularly long maintenance intervals possible! Reliability and economic efficiency form an ideal (long-term) combination.

**BOGE KOMPRESSOREN**

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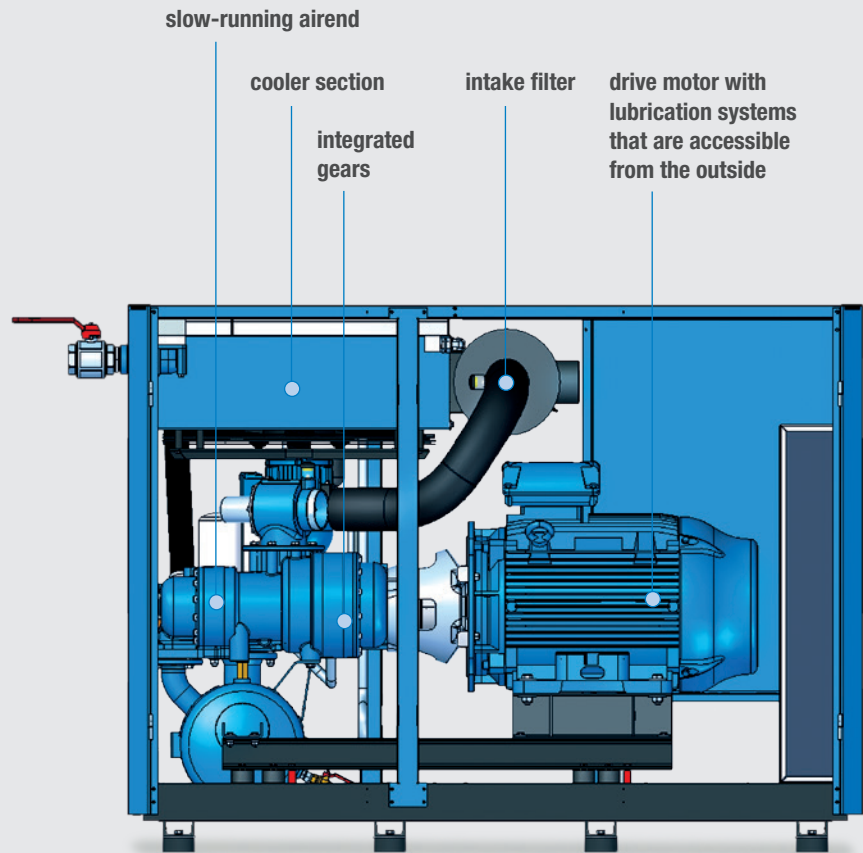
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**HOW IT WORKS**

Atmospheric air is taken in through the supply air filtration system of the compressor housing and the suction filter and routed to a particularly slowly rotating compressor stage, which always operates at the optimum design point – ensuring particularly efficient compressed air generation without transmission losses.



**THE BOGE SG SERIES AT A GLANCE**

| BOGE Type | Maximum pressure** |     | Efficiency Free air delivery* |     | Main drive |     | Fan motor |     | Dimensions W x D x H mm | Weight kg |
|-----------|--------------------|-----|-------------------------------|-----|------------|-----|-----------|-----|-------------------------|-----------|
|           | bar                | psi | m³/min                        | cfm | kW         | hp  | kW        | hp  |                         |           |
| SG 101-3  | 7,5                | 109 | 13,8                          | 487 | 75         | 100 | 2,2       | 3,0 | 2400 x 1370 x 1760      | 2200      |
| SG 101-3  | 10                 | 145 | 11,7                          | 413 | 75         | 100 | 2,2       | 3,0 | 2400 x 1370 x 1760      | 2200      |
| SG 101-3  | 13                 | 189 | 10,9                          | 385 | 75         | 100 | 2,2       | 3,0 | 2400 x 1370 x 1760      | 2200      |
| SG 125-3  | 7,5                | 109 | 15,6                          | 551 | 90         | 125 | 4,0       | 5,0 | 2400 x 1370 x 1760      | 2300      |
| SG 125-3  | 10                 | 145 | 14,1                          | 498 | 90         | 125 | 4,0       | 5,0 | 2400 x 1370 x 1760      | 2300      |
| SG 125-3  | 13                 | 189 | 11,5                          | 406 | 90         | 125 | 4,0       | 5,0 | 2400 x 1370 x 1760      | 2300      |
| SG 150-3  | 7,5                | 109 | 18,4                          | 650 | 110        | 150 | 4,0       | 5,0 | 2400 x 1370 x 1760      | 2600      |
| SG 150-3  | 10                 | 145 | 16,3                          | 576 | 110        | 150 | 4,0       | 5,0 | 2400 x 1370 x 1760      | 2600      |
| SG 150-3  | 13                 | 189 | 14,3                          | 505 | 110        | 150 | 4,0       | 5,0 | 2400 x 1370 x 1760      | 2600      |

\* Free air delivery of the overall system according to ISO 1217, Annex C, at an ambient temperature of 20°C and the respective pressure.

\*\* Maximum pressure of the compressor