

## BOGE C series

Compact and robust



*Made in Germany*   
*since 1907*

## Perfection in the smallest of spaces

It is no coincidence that the BOGE C series screw compressors have acquired a reputation for being particularly reliable; the number of pipes and connections has been kept to a minimum ensuring maintenance is simple and easy. Also the modular design lends itself to fully customisable and integrated complete solutions easily adapted and ideally suited to any situation. Maximum performance and efficiency with a minimal footprint – “plug and work” at the highest levels!

### Choice of control system

The “base control” system with its LC display and pressure sensor technology fitted as standard will run automatically in frost protection mode if required and also comes standard with leak monitoring which identifies any possible system leaks during production down times. Additional features are available with the advanced optional focus control 2.0 (see pg. 6).

### Effective insulation

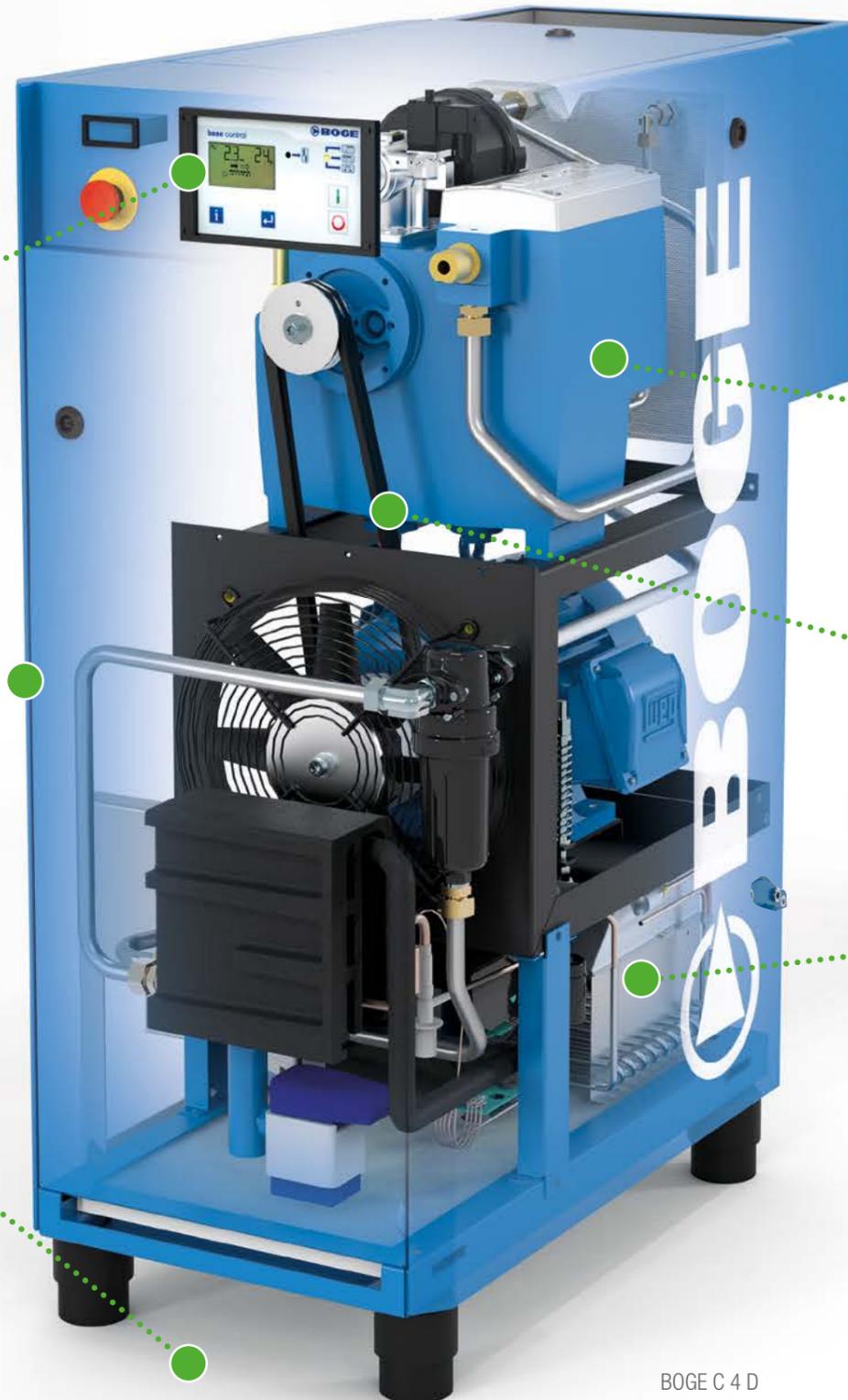
All models are packaged with a high grade cast iron fully integrated modular airend to ensure optimum protection and additional sound dampening. The C 4 to C 9 models also come with a sound enclosure as standard. This provides low operating noise levels with minimal vibrations providing ideal conditions for flexible installation.

### Compact design

Thanks to its especially compact construction, the C series is an ideal solution in many companies who are looking to save space; designed to provide generous amounts of free air delivery under continuous operation. These models come with the smallest footprint in their class even when configured as a fully equipped compressed air station mounted on a receiver with a dryer or additional air treatment options.

### Optional on-receiver design

The motto “plug and work” is valid for all models and configurations: even if you request an optional compressed air receiver, you will receive a fully wired compact unit – meaning you can configure your compressed air station whichever way suits your needs.



BOGE C 4 D

## TECHNICAL DATA

[boge.com](http://boge.com)

### Efficiency-optimised compression

An optimised screw profile and the compact, integrated design of the BOGE airend mean increased free air delivery with minimal power consumption – optimal for every performance rating. Additionally less pipework means reduced flow losses.

### Choice of Drive

The selection of the drive – whether belt drive or directly coupled – is entirely up to you, as nobody could know your needs as well as you do. Basically direct coupling is efficient and requires less maintenance, whereas a belt drive offers maximum flexibility.

### Optional refrigerant dryer

Economical production of compressed air for different applications is impossible without a compressed air dryer. What is special about our optional refrigerant dryer is that whether base-mounted or on-receiver design, it is totally integrated and therefore does not require any additional space.

### Integrated frequency control

For the 7.5 kW and 11 kW models an optional integrated frequency control ensures flexible adaptation of volumetric flow rate to match the exact free air delivery requirements of the application. This not only results in a reduction in energy consumption but also ensures a prolonged service life by reducing harmful start/ stop cycles and pressure fluctuations.

## Flexibility by design

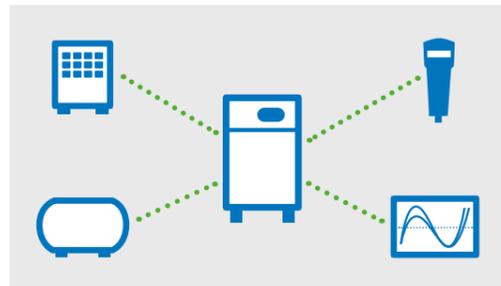
### Advantage: modularity

Thanks to the modular design, the individual configuration of your compressed air system is now the easiest thing in the world. All the individual elements are fully assembled and come as a compact unit ready for connection. The BOGE C series guarantees economical, reliable functioning for any application.



### Everything taken care of

Whether 2.2 kW or 15 kW, as a standalone device or installed on a receiver, with or without a refrigerant dryer or frequency-controlled (7.5 kW and 11 kW series), these compact compressors are suited to any application. Optional filter packages, oil-water separators and different oils can also be used to customise your device to meet your exact requirements.



### Maintenance-friendly design

To ensure the most user-friendly maintenance possible, all of the components have been arranged to allow quick access. For example, the sound insulation panels can be removed easily, and filters can be changed with minimal downtime. Maintenance is even quicker in open models which do not even have a soundhood to be removed.



### Choice of receivers

Our compressed air receivers perform a wide range of roles – from storing the compressed air to separating condensate. For individual customisation, various receiver sizes can be selected across all performance classes – up to 750 l. Machines are available from 11-22kW on a receiver in a galvanised version – with significantly better corrosion protection.



The C series has developed a reputation for being the ideal solution for any requirement. On the one hand this is thanks to its wide performance spectrum ranging from 2.2 kW to 15 kW, and on the other the choice of different drives and numerous different options for a truly customisable device. As well as being totally reliable, all our models are exceptionally economical, efficient and space-saving.



BOGE C 3 LDR

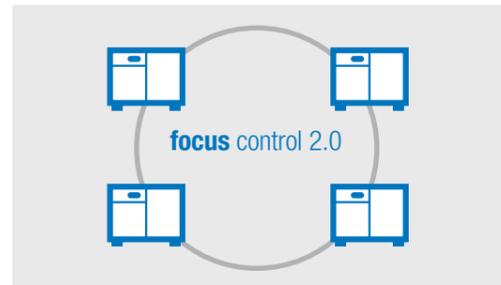
## Everything at a glance

Even the standard base control has everything to allow these compressors to be operated completely autonomously as a turnkey compressed air station – including automatic frost protection mode and integrated leak monitoring. There are also various control options available for coordinating a multiple machine network.



### For bigger tasks: focus control 2.0

The focus control 2.0 is available as an option or with frequency-controlled machines – a next generation control which can operate up to four fixed speed and/or frequency-controlled compressors in a network. A toggle between system and compressor-based display and RFID access control are offered here as standard.



### No limits: airtelligence provis 3

This intelligent, higher-level interlocking control can handle an unlimited number of compressors, compressed air networks and accessory components. Its high-performance control algorithms monitor and control the entire compressed air station – proactively and according to use. The control is operated intuitively with touch and gesture commands on the 15.6" display.



### Highly efficient: Master control

If you want to exploit the full potential to save operating costs and increase efficiency, we recommend a master control. By optimising load and idle times, adapting varying compressed air requirements and evenly utilizing all compressors, maximum efficiency will be achieved, while service requirements are noticeably reduced.



### The future today: BOGE connect

BOGE connect is your ticket to Industry 4.0: all the system data and machine details are continuously sent to the BOGE connect portal. The data can be visually displayed on any smart device. The key advantage: BOGE connect independently detects inefficient systems, helps identify optimisation potential and simplifies servicing.



## Compressed air for every quality requirement

Integrated compressed air stations such as the frequency-controlled C 9 LFDR with receiver and dryer shown here constitute a highly flexible system which – in combination with our broad range of high-performance processing products – can be used for any type of application. No matter how varied requirements for compressed air quality and purity might be, these system components will reliably meet the quality demands of any industrial sector. Maximum efficiency guaranteed.



BOGE C 9 PMDR

### Filters for every purity class

The innovative design of BOGE's highly efficient filters guarantees compressed air of the required purity class. High-performance filter materials and the flow-optimised design ensure minimal pressure losses and maximum efficiency. Particles, oil and water aerosols are reliably filtered out. Our activated carbon adsorbers provide even longer service life for oil vapour adsorption.



### Dryers for every environment

BOGE offers a whole range of the most diverse compressed air dryers to cater to virtually every requirement. For example, our external refrigerant dryers from the DS-2 family are suitable for a greater compressed air demand or challenging environmental conditions, whereas the heatless regeneration or heat-regenerating adsorption dryers are designed for particularly dry air and pressure dew points from  $-40^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ .



### Oil/water separators for every lubricant

As synthetic oils tend to emulsify in condensate, the conventional method of separating oil and water by gravity is no longer effective. That is why the universal BOGE CC-2 oil/water separators operate with various filter stages to provide clean dischargeable condensate.



### More options for the 11 to 22 kW class

With the extended C-2 series, all the advantages of the C series can be found in the 11 kW to 22 kW power range: improved efficiency and greater flexibility, audibly lower noise level and substantially improved maintenance. Additionally these models offer even more options for compressed air receivers, integrated refrigerant dryers or heat recovery. Whether direct coupling, belt drive or frequency control – the unified design of the package unifies all the different drive types.



## Safety is multifaceted



From technical support in emergencies and tailored maintenance agreements to diagnostics tools for effective compressed air management – our service packages are customised to your specific requirements. To allow you to focus on what you do best.

### Always on call: our engineers

Whether commissioning, maintenance, repair or inspection – our certified BOGE service engineers around the world are your professional port of call for all technical matters. In addition, our Technical Support is available round the clock – 7 days a week.



### 5 year warranty: BOGE bestcair

BOGE's bestcair programme gives you five years' guaranteed protection for all replacement parts. This warranty is free to you, and we will provide free replacements immediately for the entire period. Any maintenance required will be performed by certified BOGE service engineers – with original BOGE parts of course.



### All inclusive: our cairpacs

Original BOGE parts are tested prior to release for several thousand hours to ensure consistently high system efficiency and to minimise the risk of unplanned machine stoppages. Regular maintenance with original parts, therefore, protects your investment. Our BOGE cairpac maintenance packages include all the parts required for maintenance and cost less than the sum of the individual parts taking the guesswork out of service planning.



### Tailormade: our maintenance agreements

Regular maintenance considerably prolongs the service life of your system. To this end, we offer tailormade service packages – from system inspection and maintenance agreements to a full service agreement, whereby we carry out all work to your compressed air system without exception. We would be happy to advise you.





**B**est  
**O**f  
**G**erman  
**E**ngineering

Customers in more than 120 countries worldwide trust the BOGE brand. Already in its fourth generation, this family-run company directs all its experience into developing innovative solutions and exceptionally efficient products for the compressed air industry.

