

BOGE C-2 series

Compact. Efficient. Quiet.



Made in Germany 
since 1907

A new class of competence

Compact BOGE screw compressors have been known for their reliability in production for many years. The revolutionized and expanded C-2 series lives up to this reputation more than ever – with increased efficiency and greater flexibility, as well as noticeably lower noise emissions and much easier maintenance. Your compressed air station can be tailored exactly to your needs – individually configured, yet uniformly compact.

Control options

Base control with LC display and pressure sensor technology included automated frost protection mode as standard, as well as a leakage monitoring, which accurately detects the quantity of leaked air during compressor idle times. The optional focus control 2.0 offers even more functions with an intuitive user interface.

Frequency-regulated fan

Frequency control is particularly recommended for fans in the partial load operational range and at low ambient temperatures because it considerably reduces both noise and power consumption. Available as an option from 15 hp and up.

Integrated dryer

An optional refrigerant dryer can be integrated in the housing of all models of the C-2 series. This makes entire compressed air stations possible even in the smallest of spaces, and you can always keep an eye on the visible dew point display.

Frequency-controlled with direct drive

Frequency control is recommended as it gives you the flexibility to adjust the free air delivery to meet individual requirements at any time. On all C-2 models, this option is combined with direct coupling to achieve new levels of efficiency.



Effective sound insulation

All models boast the standard sound insulation hood, which successfully keeps operating noise and vibrations to a minimum. The optional super sound insulation reduces the noise level even further, making it perfect for flexible installation.

Optional heat recovery

BOGE Duotherm offers huge potential for savings: up to 72 percent of the energy used to operate the compressor can be recovered and used for other applications – for example, space heating, domestic water heating or as process water heating.

Efficiency-optimized air end

An optimized screw profile and the compact design of the air end mean increased free air delivery with minimal power consumption. The C-2 guarantees the perfect air end for every performance class.

Elastic "SilentMount" mounting

An effective way of isolating vibrations, which consequently also lowers the noise level, is to attach the drive motor and the air end elastically to the base frame.

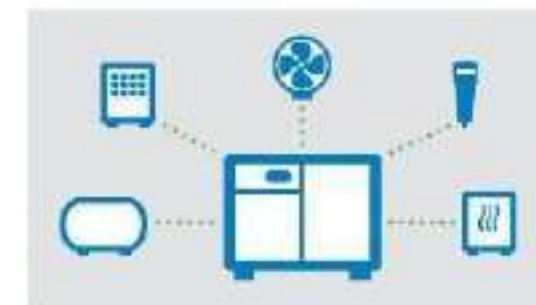
Efficient compressed air station in the smallest of spaces

The C-2 series boasts a wide output range from 15 to 30 hp, which means it can offer the perfect solution for every conceivable requirement. Regardless of which options you choose for your application – be it installed on a receiver or with an integrated refrigerant dryer – you will always get a turnkey solution requiring no additional space. No stone is left unturned when it comes to energy efficiency and ease of maintenance.



Designed as required

Dryers or frequency-controlled fans – all of the available options can be fully integrated into the compact housing of the new C-2 series. This even goes for the BOGE Duotherm heat recovery system. If required, you can also order inline filtration or an oil/water separator as part of the package to ensure the correct air specifications for your applications.



Systematic and compact

Whether on a receiver or a standalone machine, belt or direct drive, frequency-controlled or with integrated refrigerant dryer and air treatment – all of the C-2 models feature a uniform, sound-insulated housing design and can be individually configured for a turnkey compressed air station.



Maintenance-friendly by design

To ensure the most user-friendly maintenance possible, all of the components have been arranged to allow for quick access. For example, all of the sound insulation panels can be effortlessly removed, and filters can be changed with minimal downtime.



A choice of receiver sizes

Our compressed air receivers perform a wide range of functions – from storing the compressed air to separating condensate. For individual customization, various receiver sizes can be selected across all performance classes – up to 240 gal. The complete C-2 range is available on a powder coated ASME receiver.



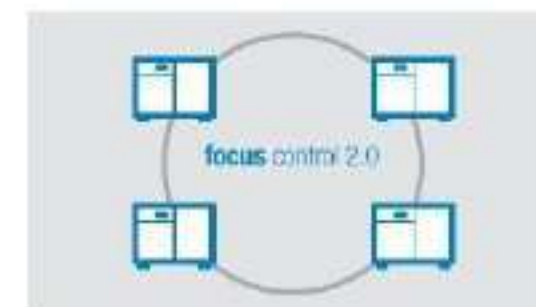
Dependable control like never before

Even the standard base control has everything required to allow the new BOGE C-2 to be operated completely autonomously as a turnkey compressed air station – including automatic frost protection mode and integrated leakage monitor. There are also various control options available for integration and sequencing of a larger machine network.



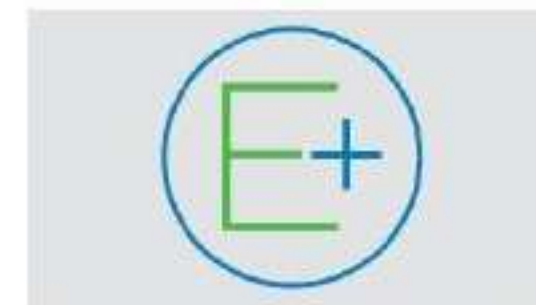
For bigger tasks: focus control 2.0

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.



Highly efficient: Master Control

If you want to exploit the full potential to save operating costs and increase efficiency, you cannot avoid a master control. By optimizing 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.



Unlimited: Airtelligence provis 3 control

This intelligent, higher-level network 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 demand. The control is operated intuitively with touch commands on the 15.6" display.



The future today: BOGE connect

BOGE connect is your ticket to Industry 4.0: all of 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 optimization potential and simplifies servicing.



Compressed air for every quality requirement

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-optimized 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°F to -94°F .



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.



Energy efficiency

Several innovative products can be incorporated into the system aimed at reducing energy consumption. Zero air loss condensate drains or BOGE leak stop can be installed to prevent the compressor from running to account for leaks during times of no production e.g. evenings and weekends.



As the quality and purity requirements of compressed air vary considerably depending on the area of application, BOGE offers a comprehensive range of premium processing products. These system components reliably meet the quality demands of every industrial sector – with optimum efficiency values. For example below our BC converter which provides certified class 0 air from a standard lubricated screw compressor.

**COMPRESSED
AIR PROCESSING**

boge.com



Safety is multifaceted



From technical support in emergencies and tailored maintenance agreements to diagnostics tools for effective compressed air management – our service packages are customized 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 program 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 minimize 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.





Best
Of
German
Engineering

Customers in more than 120 countries worldwide trust in 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.