

BOGE AIR. THE AIR TO WORK.



BOGE S-3 series

Designed to last longer



Made in Germany 
since 1907

S-3 series The design principle

Optimised for versatility

Ergonomic maintenance is invaluable.

The fact that BOGE's tried and tested S-3 series is considered indispensable throughout the industry is not least down to its intelligent design: the smart structure guarantees particularly easy, safe maintenance, and thanks to the high quality components as well as fastidious workmanship, a long service life and maximum efficiency are built in.

Maintenance-friendly design

The clear layout of the functional areas ensures ease of access for maintenance from one side via swing and removable doors.

Self-contained cooler section with separate fan

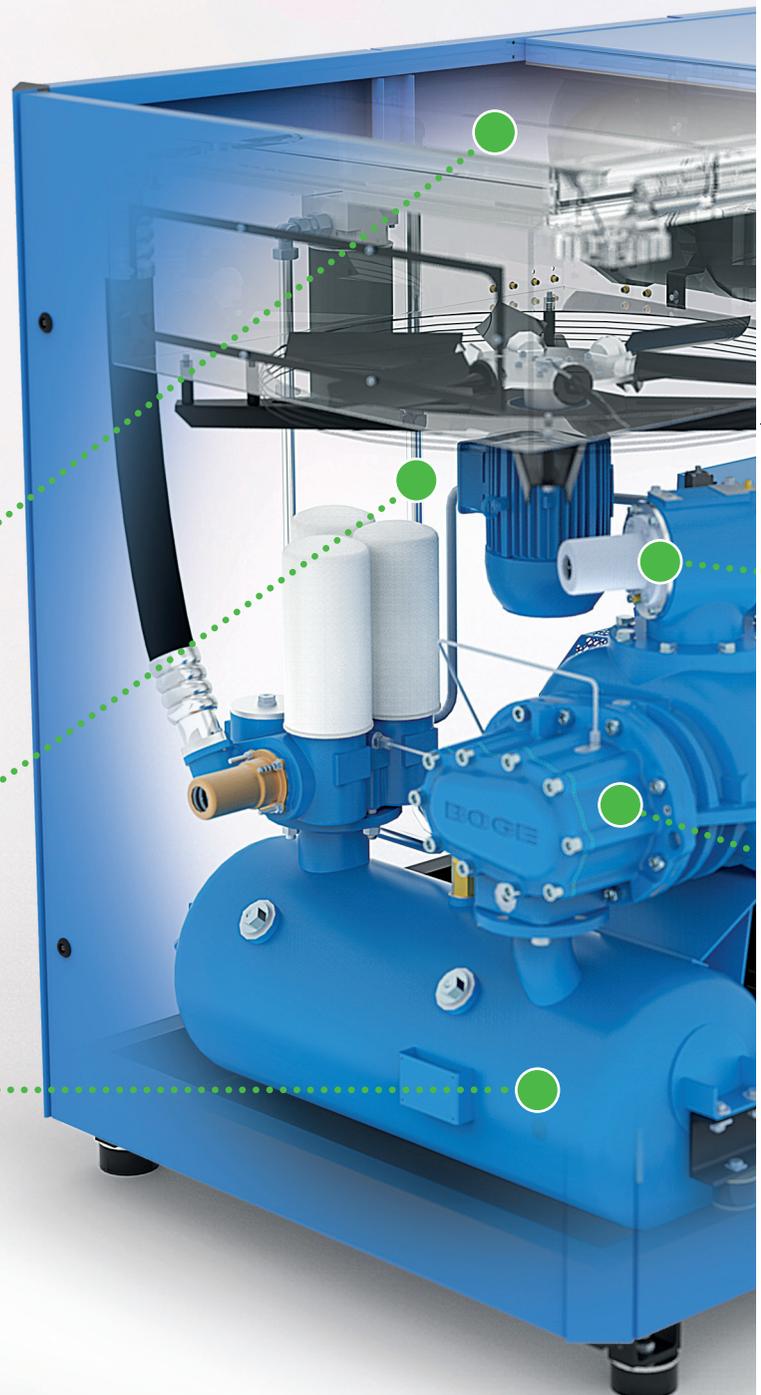
Thanks to the defined cooling air duct, 100% of the fan output can be used. The cooling function even works when the system is open, which proves its worth during maintenance and test runs.

Internal steel pipework

Unlike hose connections, which are still commonly used today, steel pipes do not need to be replaced regularly and effectively prevent leaks for years.

Safety oil separator system

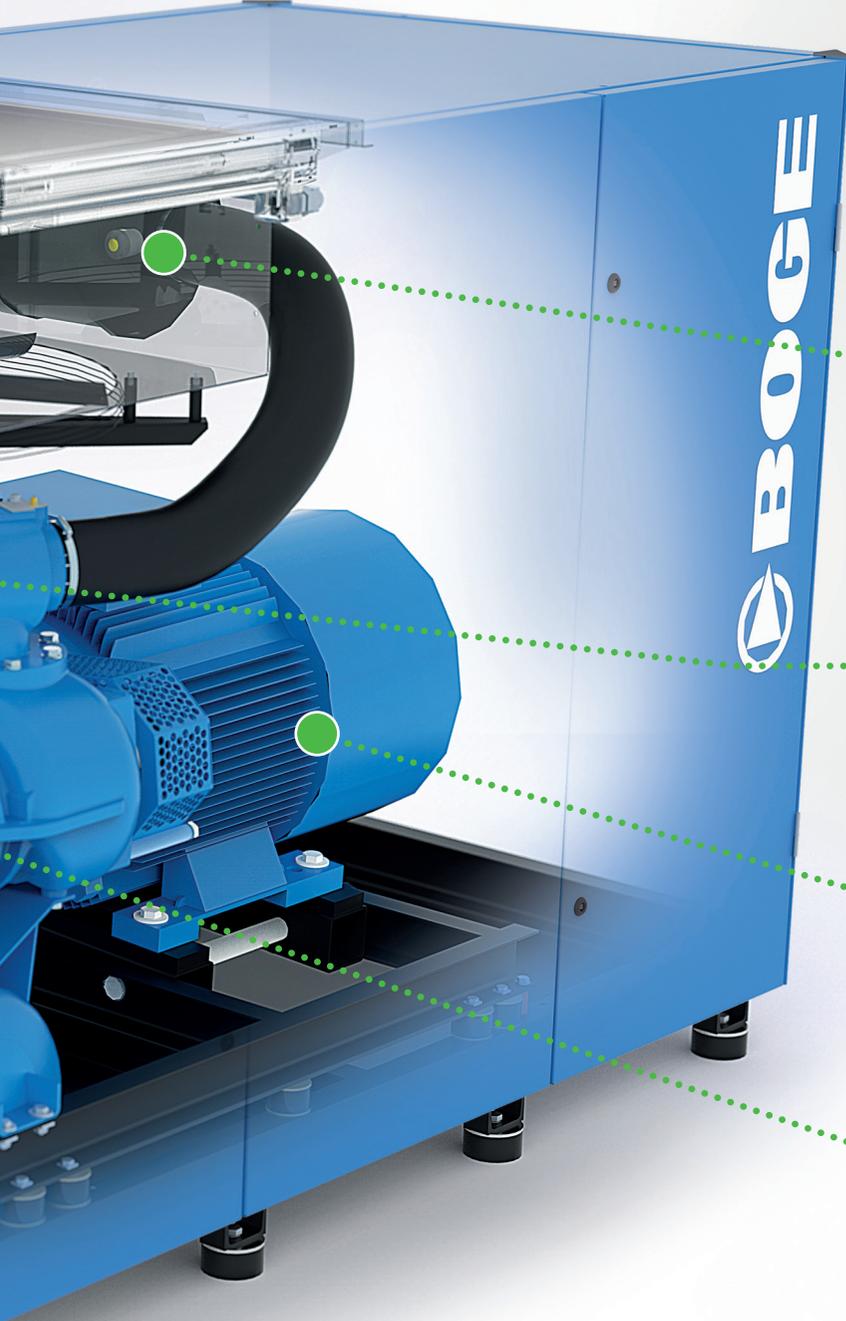
A horizontal receiver effectively separates the air/oil mixture in conjunction with the perfectly designed preseparator. The oil remains in the compressor circuit, the air flows to the user.





TECHNICAL DATA

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Intake filter with paper micro filter insert

As dust and dirt cannot get into the compressor circuit in the first place, this increases the service life of the aircend and – thanks to the integrated preseparator – the service life of the filter element itself.

Valveless oil circuit with multifunctional suction regulator

Low power consumption when idle saves energy, the fully balanced start-up conserves the entire drive train, and the control unit automatically shuts down in the event of a fault. Now that's operating safety!

High efficiency IE3 motor

The sturdy design of the IE3 motors, famous for their high efficiency, prevents any possible overload. Even the winding temperature is monitored as standard.

Tried and tested aircend

Designed and made in Germany, BOGE's aircends feature high-quality, large bearings and low speeds – your guarantee of high efficiency and a long service life.

S-3 series The main advantages

Expertise makes the difference

The design philosophy of the S-3 series skillfully combines utmost efficiency, maximum operating safety and distinct ease of maintenance: all of the functional areas are clearly laid out, safe and easy to reach, and all of the components are designed for a long life. There are various options available for even greater efficiency – from frequency control to heat recovery.

MADE
by
BOGE

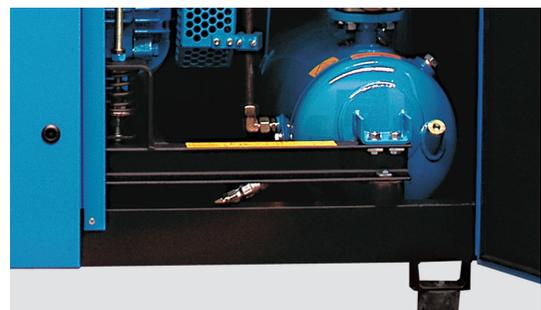
Tried and tested design

Every detail – from the precisely defined flow of cooling air and the effective oil separation system with horizontal receiver to the space-saving access from one side – is the result of continuous improvement. Premium quality that has garnered the S-3 the reputation of being particularly reliable and suitable for daily use.



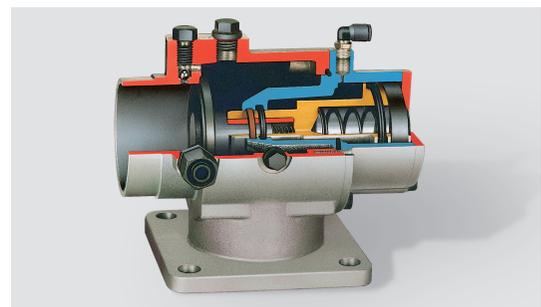
Isolated machine unit

The consistent isolation of all moving components not only successfully keeps the transmission of structure-borne noise to a minimum. The fact that everything sits on a torsionally rigid base frame makes for even easier transportation with a forklift or stacker.



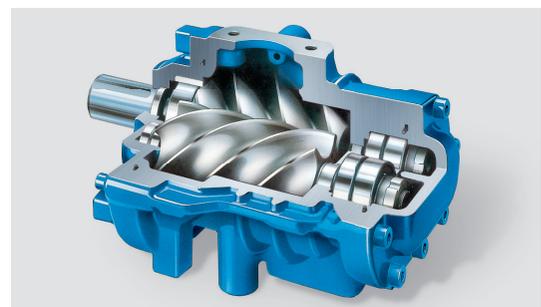
Multifunctional suction regulator

The suction regulator is completely air-tight, thus preventing oil vapours from escaping. It also enables a fully-balanced start-up, which conserves the entire drive train and dramatically saves energy thanks to the very low power consumption when idle.



Efficiency – a question of quality

The BOGE airend, developed in-house and manufactured to the highest quality criteria, offers constantly high free air delivery at astonishingly low power consumption. This, together with the perfected oil separation system, results in an exemplary efficiency yield.



S-3 series Control and other options

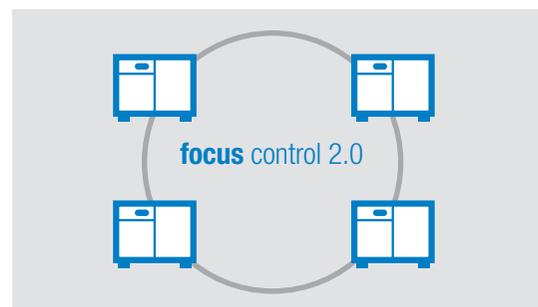
Simply everything under control

An intelligent control concept underlies the formidable growth in efficiency of this series. The modular focus control 2.0 is state-of-the-art, because it allows you to have simply everything under control – with the emphasis on “simply”: this higher-level control, which also serves as a network control for up to four compressors, makes compressed air generation more efficient and reliable.



Sovereign control: focus control 2.0

The focus control 2.0 controls up to four connected compressors with base load switching as required and monitors all inlet and final pressures. Whether the most powerful compressor is always switched on first or the oldest is always switched on last, or whether they are all used to capacity equally so that maintenance can be carried out at the same time – this modular control provides enormous flexibility, providing a simple solution while ensuring redundancy.



Intelligent scheduled lubrication

A long service life requires regularly lubricating the bearings of the drive motor at the prescribed intervals. You can choose to have the focus control 2.0 do this for you too: when the time comes, the control will automatically activate the lubricator to apply a precise amount of grease to the bearings. Naturally this is only done when the motor is running, as stipulated by the manufacturer.





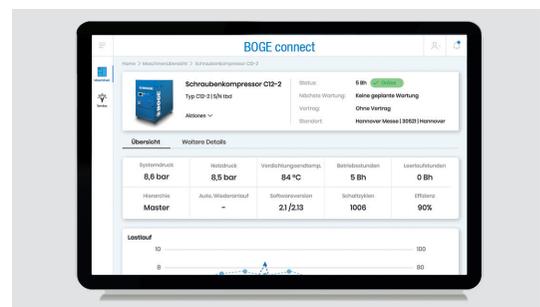
No more limits: airtelligence provis 3

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 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 optimisation potential and simplifies service.



S-3 series Integrated compressed air system optimisation

Tailored exactly to your requirements

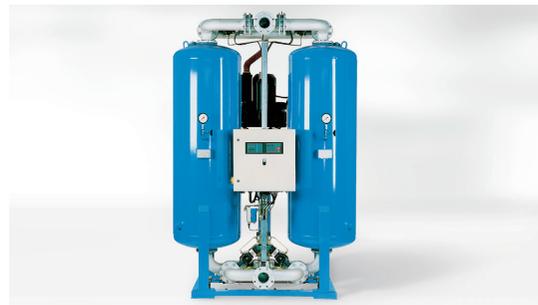
Refrigerant dryer with energy savings

Minimum pressure losses and constant pressure dew points in every phase of operation – BOGE's powerful high-pressure refrigerant compressed air dryer saves energy and considerably increases efficiency. It can be continuously adjusted to the operating conditions while consuming very few environmentally-friendly, ozone-neutral refrigerants.



Adsorption dryer with dew point control

BOGE's heat-regenerating adsorption dryers from the DAV range offer a highly energy-efficient solution for large compressed air applications. The standard dew point control makes it possible to extend the drying phase and significantly reduce the energy required for regeneration.



Systematic heat recovery

Much of the energy supplied to a compressor is converted to heat. BOGE Duotherm provides you with approx. 72 percent of this energy in the form of heat for further use – for heating and domestic water or process support. It quickly pays for itself! This system can also be very easily retrofitted at any time.



Container solutions with all the trappings

Not enough space to expand your compressed air production? Thinking of relocating production areas? A container solution is ideal for such scenarios - there's room for everything; compressors, processing and control technology. Thanks to its compact design and ease of access for maintenance purposes, models from the S-3 series are just perfect for this.



For many decades, BOGE has been the top name for tailored solutions, because as well as highly specialised system components for compressed air treatment, we also offer turnkey compressed air stations that reflect your requirements exactly.



S-3 series Service tailored to your requirements

Any time, anywhere. BOGE all-round service

As original compressed air pioneers, we have more to offer than just our technological expertise. BOGE has always worked closely with customers and distribution partners, and this has shaped our good service partnership. As our success depends on your satisfaction, we relentlessly strive for improvement to provide you with compressed air that has added value.



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 for 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.



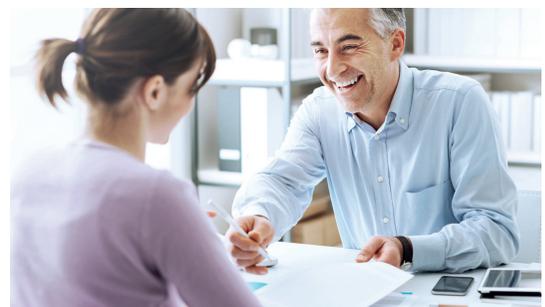
All inclusive: our cairpacs

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 BOGE 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.



Tailormade: the 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 are happy to advise you.



BOGE AIR. THE AIR TO WORK.



Best
Of
German
Engineering

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.



BOGE Compressed Air Systems GmbH & Co. KG

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