

BOGE EO series

Totally oil-free, ultra compact and whisper-quiet



Made in Germany 
since 1907

As if made for sensitive applications

With its distinct range of models, compact construction, smooth running and low noise level, BOGE's EO series offers huge installation flexibility. This makes these low-maintenance models perfect for environments requiring high-quality, oil-free compressed air close to the workplace – for example in hospitals and laboratories. And now we've added a total of four new models and up to 30 kW drive power to this popular, powerful series.

The primary cooler

For maximum cooling performance, the large primary cooler is installed at an angle to make optimal use of the cooling airflow.

The compressor module

Advantage of the modular design: there's room for up to four scroll compressors, which can be connected and disconnected sequentially as required. The interlocking focus control 2.0 fitted as standard even ensures up to 16 compressor units (in four compressors) operate at maximum efficiency.

The non-return and safety valve

Both the non-return valve and the safety valve are located in the cool section to ensure a long service life.

The intake filter

The specific positioning of the large paper intake filter provides an effective separator system, whereby intake happens in the cold section.



TECHNICAL DATA

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The secondary cooler

The secondary cooler too boasts proven greatness. It ensures a particularly low compressed air outlet temperature down to 5 Kelvin above ambient temperature.

The main drive motor

With its reliability and premium efficiency, the IE3 motor already has a track record as the main drive motor in various models. Cumbersome relubrication is not required thanks to lifetime lubrication.

The optional refrigerant dryer

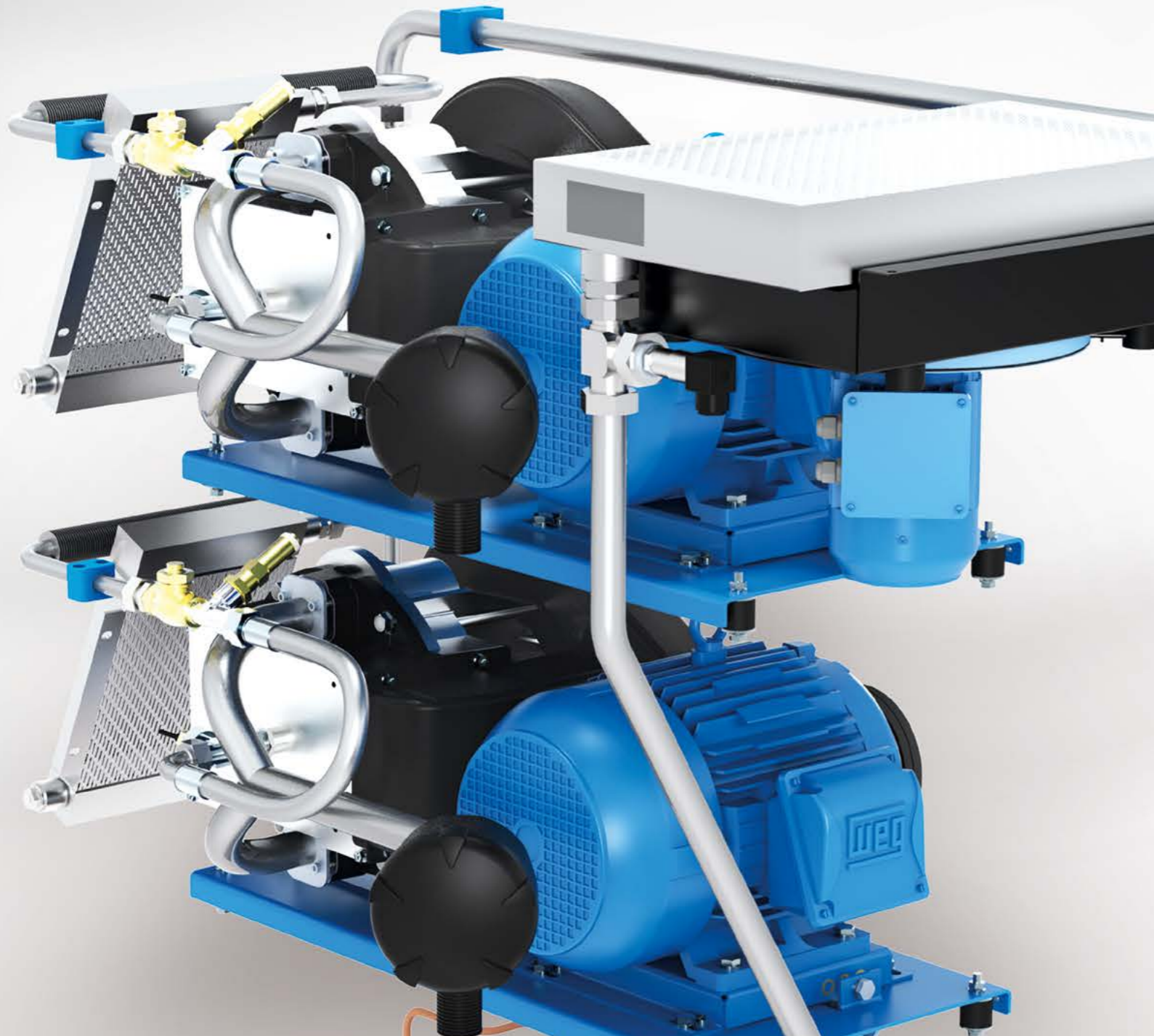
The compact refrigerant dryer is a very practical option, which can be integrated perfectly into the existing soundhood without requiring any assembly. The R 513 A refrigerant used has an impressively low carbon footprint.

Use as a multiple system

Fitting with up to four compressor units under one soundhood offers a key advantage: in this way the compressor can be used as a quadruple system, which automatically adapts to the respective compressed air requirement on site.

Maximum flexibility meets excellent efficiency

Thanks to their design, the BOGE scroll compressors from the EO series boast impressive whisper-quiet, smooth running. But there are many other advantages to this principle of producing virtually pulsation-free, totally oil-free compressed air: the optional refrigerant dryer can be compactly integrated, free air delivery can be easily adapted to actual demand thanks to its design as a multiple system, and the compact construction allows for smart redundancy.



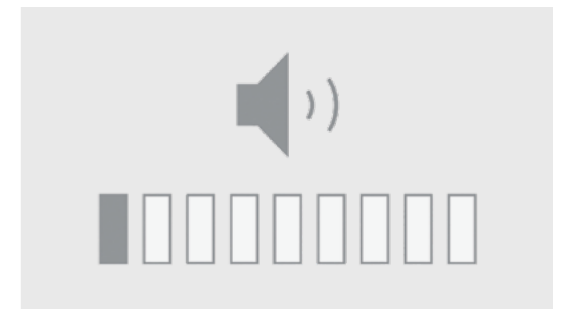
Intelligent cooling system

Every detail of the two-stage cooling concept reflects the experience of our engineers: in the first cooling stage, the ribbed pipe used and the tilt of the primary surface cooler allow optimal use of the cooling airflow, while the aluminium fins of the secondary cooler optimise the compressed air outlet temperature. In addition, each component is designed to be bigger than absolutely necessary for a longer service life. All to improve efficiency.



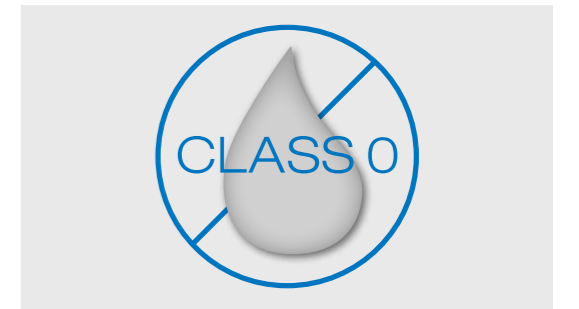
Barely noticeable in operation

Whether in medical technology, in the laboratory or hospital – whenever a compressor is to be used close to the workplace, the sound pressure level becomes the exclusion criterion. For this reason, the EO series is especially impressive in noise-critical environments, where high quality oil-free compressed air is required in the lower to mid power range, thanks to its virtually vibration-free, whisper-quiet operation.



Runs smoothly - without oil

One advantage of the scroll compressor technology is that no oil lubrication whatsoever is required because the aluminium screws in the compression chamber never rub thanks to the design (this also means that no oil/water separator needs to be installed). Consequently, you receive 100% premium class 0 compressed air.



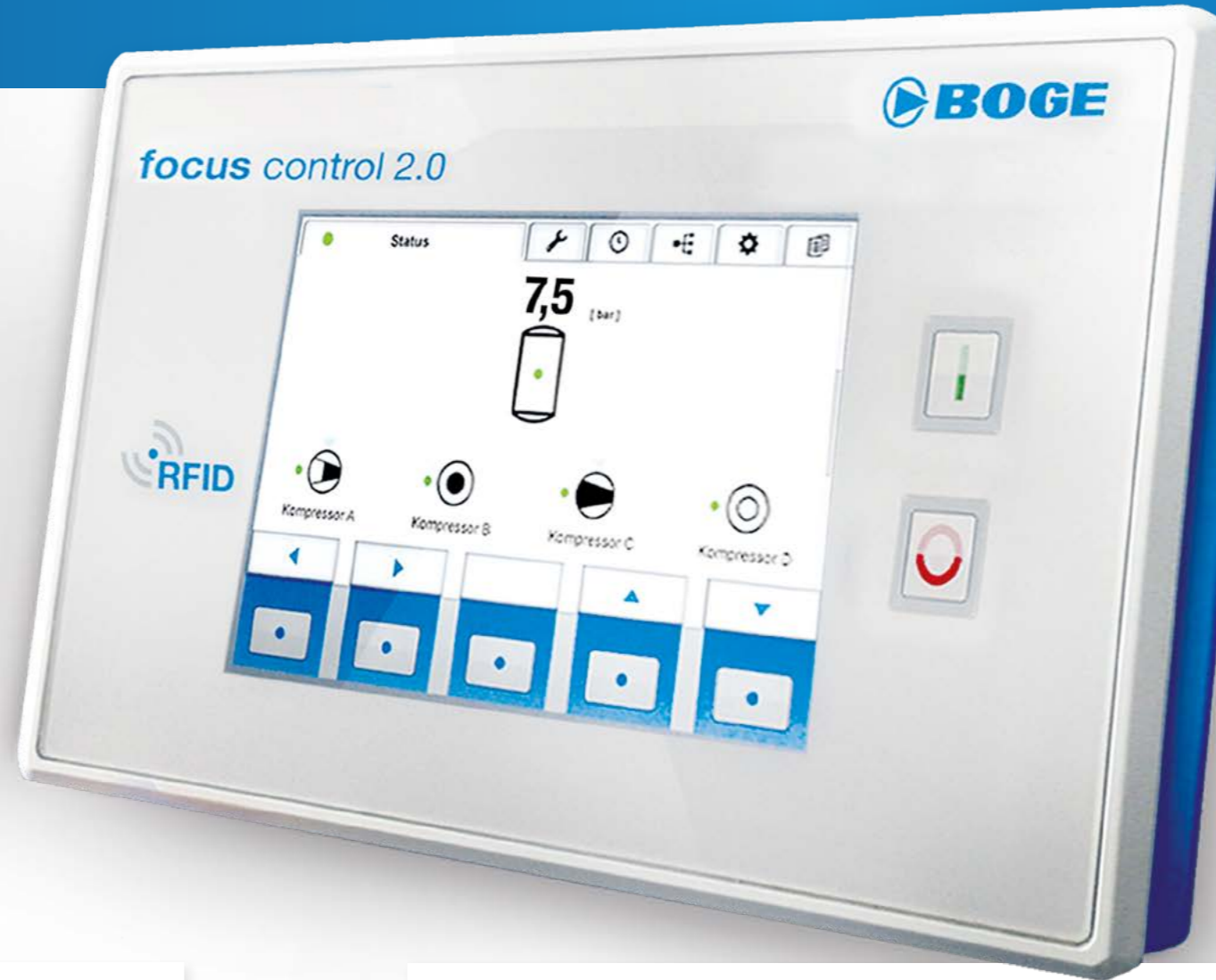
Ideal as a compact system solution

Regardless of whether you configure it with one or four compressor modules, or are looking for a system solution with integrated dryer – the footprint of your EO compressor won't change. This is down to the smart layout of the components. And thanks to the compact dimensions, it can be positioned easily right at the workplace.



Simply everything under control

Interlocking controls make compressed air production more efficient – no more idling, when electrical energy is consumed without producing compressed air! Our intelligent controls consistently optimise the energy consumption and capacity utilisation of your compressors. And with BOGE connect, you can take your compressed air management to a whole new level – from automated commissioning by QR code to data-assisted efficiency optimisation.



At a glance: focus control 2.0

The modular focus control 2.0 can be used to control up to four connected compressors with base load switching as required. It monitors all essential compressor functions while ensuring optimal efficiency. All updates can be conveniently carried out by Notebook via the serial interface or directly by USB stick.



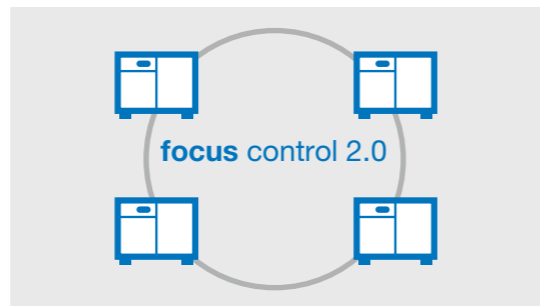
Safety on board: BOGE base control

As the name suggests, the “base control” with its LC display and pressure sensor technology serves as an entry-level control. It comes with automatic frost protection mode as standard and has a leak monitor which detects any possible leakage during compressor idle times.



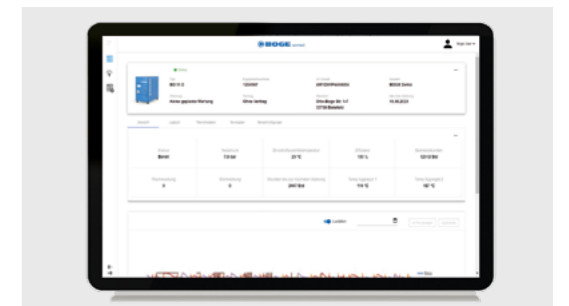
A little monitoring sum

A simple maths problem: If four scroll units fit in one EO compressor housing – how many compressor modules can be controlled by the focus control 2.0 while being monitored by a multicolour LCD display? When it comes to the EO series, the answer is astonishing: it can sustain up to 16 compressor units at maximum efficiency.



The future today: BOGE connect

BOGE connect is your ticket to Industry 4.0: All plant data and machine details are continuously sent to the BOGE connect portal. The data can be accessed in graph form from any smart device. The decisive advantage: BOGE connect independently detects inefficient systems and helps to identify optimisation potential and simplifies service.



Tailored system solutions for every requirement

Refrigerant dryer

Economical production of compressed air for different applications is impossible without a compressed air dryer. This keeps condensate to a minimum, ensures the desired savings, and protects the downstream components and the pipeline system against the negative effects of the dripping condensate. What makes our optional refrigerant dryer special is the fact that it is totally integrated and therefore does not require any additional space. And the new refrigerant is almost climate-neutral.



Adsorption dryer

Where particularly high quality compressed air is required, BOGE's adsorption dryers offer the technology of choice: they ensure that the compressed air is free from condensate, and even save energy! This makes all the difference, especially if the compressor is to be installed close to the workplace.



Cyclone separator and filter

Efficient pre-separation is essential for ensuring reliable elimination of condensate and solid particles from the compressed air. BOGE cyclone separators are certified specifically for sensitive applications. High efficiency BOGE filters, in turn, filter out smaller particles, oil and water aerosols. For 100% sterile compressed air, we also recommend you use a BOGE sterile filter.



Condensate drain

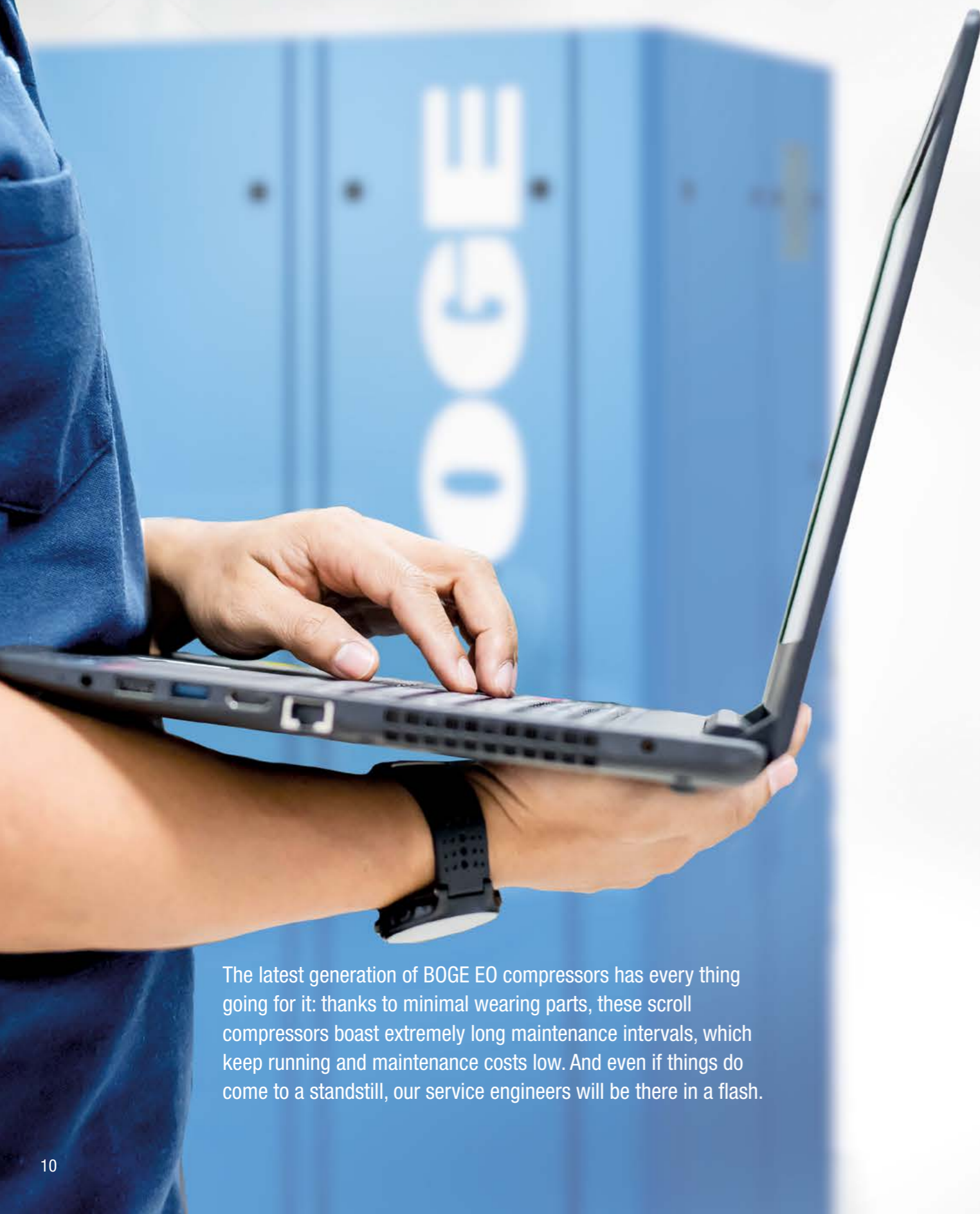
An electronic level controller on the BOGE CCD (Compact Condensate Drain) ensures that any condensate accumulating is only drained off when the "reservoir compartments" have reached a set level. The CCD condensate drains feature sturdy aluminium housing, are suitable for every climate zone and are designed for over two million draining cycles.



We don't know what you need in terms of pure compressed air, but with our comprehensive range of premium processing products, we can individually and perfectly cater for every conceivable application. Maximum efficiency guaranteed.



Preemptive to lightning fast – the BOGE service



The latest generation of BOGE E0 compressors has every thing going for it: thanks to minimal wearing parts, these scroll compressors boast extremely long maintenance intervals, which keep running and maintenance costs low. And even if things do come to a standstill, our service engineers will be there in a flash.

Original spare and wear parts

We recommend you use only BOGE original parts and maintain the system regularly – this is the best way of ensuring a sustainable and efficient compressed air supply with unhindered functioning and performance. Likewise, when it comes to compressed air accessories such as lubricants, filters and trap cartridges, only original BOGE quality products should be used.



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 thanks to a dense local service network. This personal service guarantees the high reliability and efficiency of your compressed air system.



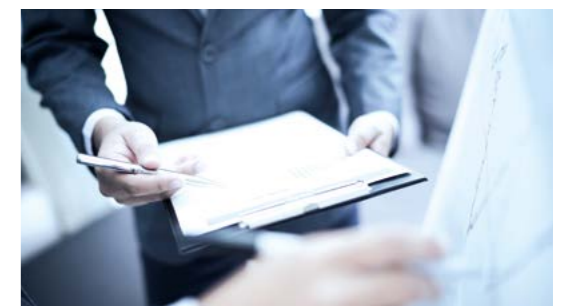
When things don't go to plan

In emergency situations with your compressed air supply, we are always ready to help. You can count on fast help over the phone and technical support from our experts round the clock. Our BOGE "troubleshooter" hotline can be reached weekdays from 8:00 - 16:30 (German time); BOGE's helpline is available round the clock.



Tailor-made: our maintenance agreements

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





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.

