

BOGE airtelligence provis 3

Unlimited possibilities



Made in Germany  since 1907

Use it to control the future

Integrated industrial PC

A fully-integrated, high-performance industrial PC makes the system into a complete solution that is ready for connection. All components to be controlled can be integrated quickly, an MBI 2.0 (ModBus interface) and a switch with 7 free ports are also on board. "Plug & work" is the order of the day!

Intelligent control algorithms

The high-performance control algorithms are proactive and based on consumption, to provide good results even with unfavourable system constellations. You automatically select the optimum compressor combination, optimise the loaded and idle run times and avoid energy-intensive over-compression.

Clear Web visualisation

Whether it is the compressor detailed view, profile view or pressure gradient – the large 15.6" display, adapted for touch operation, shows it all. And thanks to integrated Web visualisation, the control can be operated from any PC or mobile device on the network.

Higher-level communication

Ethernet not only enables faster but also simultaneous communication with several participants. This also means less wiring effort and expense, it is less susceptible to faults, multimaster-compatible, and incorporates the existing IT infrastructure. In addition, remote stations can also be integrated straightforwardly.

Ready for Industry 4.0

The airtelligence provis 3 is optimally equipped for the future: as it supports the OPC-UA standard, secure and reliable communication between products from different manufacturers and device types is also guaranteed. This therefore prepares the way for Industry 4.0 and the world of the Internet of Things.

Modern energy management

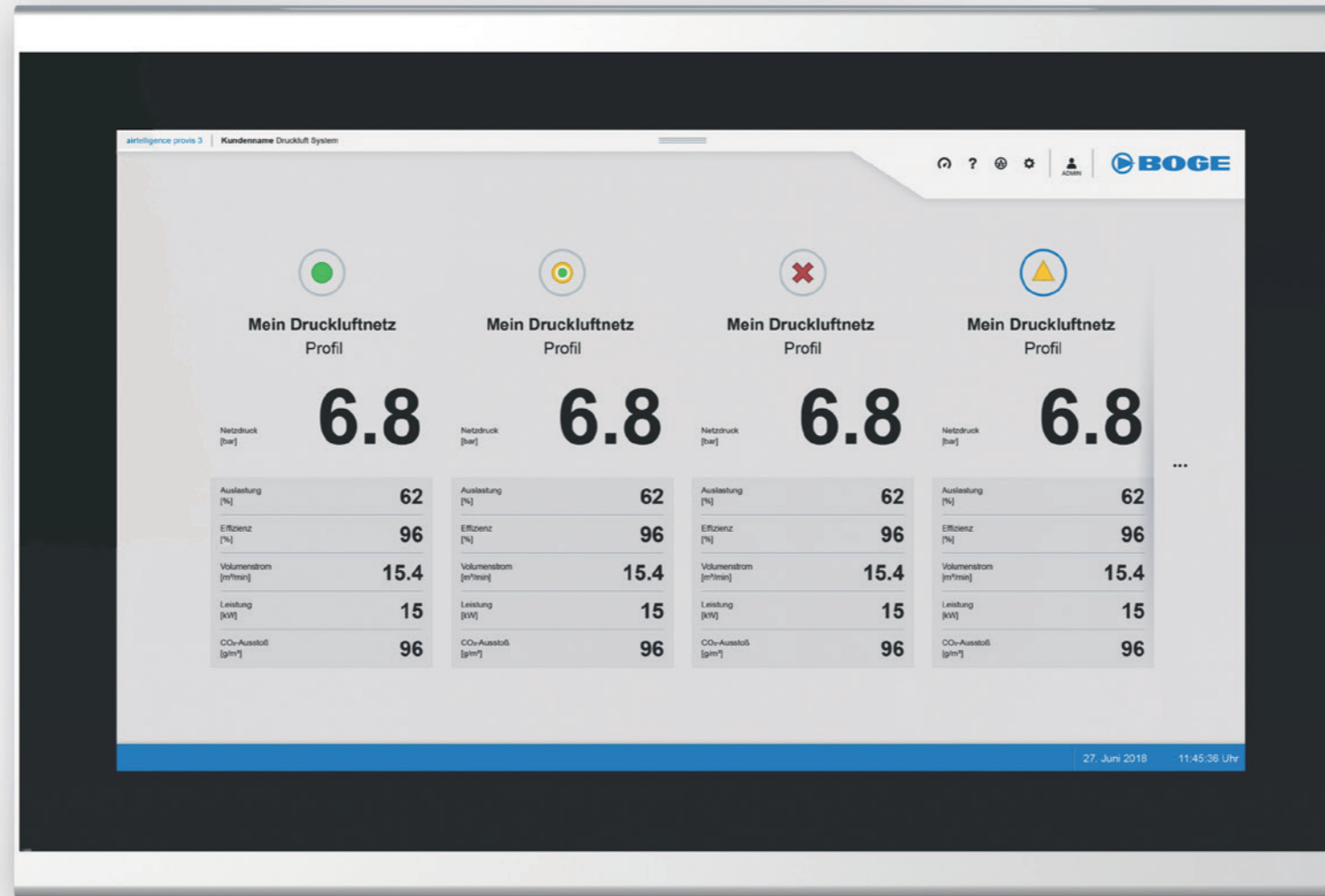
With an energy management system that is ideally adjusted to requirements, savings can be made at all levels – particularly through efficient compressed air production. The airtelligence provis 3 network control enables an energy audit with proof of costs and reporting according to DIN EN ISO 50001-2011.

Flexible: airlogic 3

The airlogic software module, which is available as an option, brings optimum efficiency to your entire compressed air system: whether it is supply air, circulating air or exhaust air dampers or peripheral components – everything can be combined together and can be controlled according to status or temperature. Simple and intuitive.

Intelligently controlled: pro-FC

With the pro-FC option, several frequency-controlled compressors – from BOGE or other manufacturers – can be operated at the same percentage capacity. The highest degree of efficiency and flexibility is thereby achieved for the entire system.



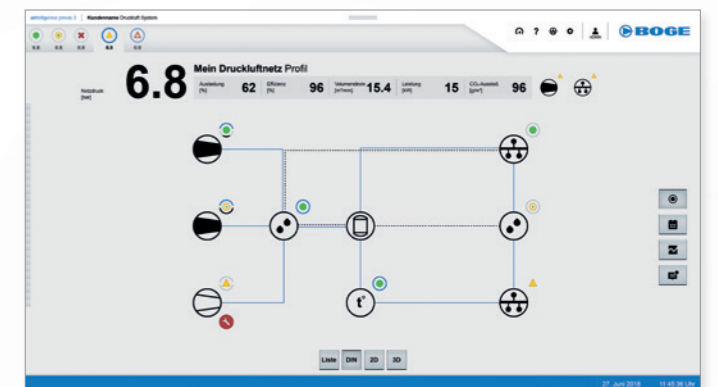
Your compressed air profile



Your profile in the process



Your individual dashboard



Your network diagram overview

Efficient, high-performance and extremely flexible

A significant advantage of airtelligence provis 3 is in the upgrading of your existing machinery: as it is downwardly compatible, older compressors can also be integrated very simply via the 2.0 Modbus interface module. This optimised use of machinery represents an important feature of “Industrial Intelligence”.

MADE
by
BOGE



No limits

The airtelligence provis 3 does not back away even from complex tasks: whereas higher-level controls have so far been limited to a maximum of 16 compressors and a restricted number of accessory components, you are now able to control an unlimited number of machines, peripheral devices and compressed air networks, thereby ensuring the simplest operation and ideal energy-efficiency.



Increasing efficiency via programming

As an intelligent, consumption-dependent control, the airtelligence provis 3 aims at optimising efficiency. To achieve this, it activates the correct compressor size, automatically selects the perfect compressor combination and controls the system pressure within a defined pressure range even before reaching the pressure limit. However, it can also be programmed by machine priority, delivery volume or run time optimisation.



Intuitive operation and fast performance

Whether on a PC, tablet, smartphone or on the control display itself – the comprehensive visualisation is presented just as clearly on any terminal device. It is Web-based and can therefore be called up and operated by touch command from anywhere on the network.



Continuous software updates

The airtelligence provis 3 uses modular components and well-dimensioned hardware, which is kept constantly up to date due to comprehensive software enhancements. You can benefit from the continuous improvement process very simply thanks to regular updates.



Compressed air competence from A to Z

From the needs assessment and installation to the individually tailored service – our full expertise is evident, even for complex system solutions. For, to bring maximum efficiency to a compressed air system in the long term, all the peripheral equipment also has to be taken into account. This is precisely what the new airtelligence provis 3 network control achieves – proactively, automated and reliably.



BOGE screw compressors

All BOGE screw compressors excel with the highest level of reliability, particularly efficient operation and distinct ease of maintenance. Whether this is with oil-injection cooling or oil-free, frequency-controlled, belt-driven or directly coupled – these reliable machines are the centrepiece of industrial production. The models of the latest generation also stand out here due to their particularly quiet operation.



BOGE compressed air treatment

With the most diverse selection of system components in our range, the quality demands of every industrial sector can be met reliably – with optimum efficiency values. The airtelligence provis 3 performs a service with the continuous monitoring of all your compressed air treatment, such as compressed air filters and dryers, through the simple integration of pressure dew point sensors or fault messages, for example.



BOGE plant engineering

We plan, manufacture and install highly-modern compressed air systems under one roof – customised in all dimensions. So that these constantly achieve optimum efficiency values, we have deployed higher-level controls early on. The airtelligence provis 3 makes it even easier to optimise the energy consumption of your compressed air system, and to thereby reduce this significant cost factor in the long-term.



BOGE connect

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





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.

