

TRADITIONAL BREWERY DEPENDS ON RELIABILITY AND EFFICIENT BOGE AIR



A long-established family-run brewery, Alpirsbacher Klosterbräu produces an impressive 210,000 hectolitres of beer every year. Compressed air plays an essential role in the process – especially when the objective is growth. Efficiency optimisation was therefore the top priority during the design of a brand-new compressed air system.

Whether to activate various valves, to operate the pneumatic vacuum generator in the bottling plant or to aerate the beer wort – everything at Alpirsbacher needs compressed air. Two frequency-controlled 55 kW BOGE S 56-4 LF screw compressors with oil injection cooling will ensure an efficient, reliable supply in the future. At night and at weekends, the compact C 22-2 screw compressor with an output of 22 kW will be used. The downstream BOGE bluekat Converter BC 110 breaks down long-chain hydrocarbons into water and carbon dioxide, converts silicon into silicate and reduces the levels of carbon monoxide,

spores and viruses. The DS 220 refrigerant compressed air.

The entire system is controlled by the BOGE airtelligence provis 3 compressor management system that monitors, in addition to the compressors, the components of the compressed air treatment system including condensate drain, heat recovery and the aeration plant, and activates them using nine actuators. airlogic also manages the temperature-dependent control of the ventilation system – also via airtelligence provis 3. As a result, electricity consumption for generating compressed air was reduced by 30 %.



30 % additional efficiency – we'll drink to that!

PROJECT REPORT

CUSTOMER

Alpirsbacher Klosterbräu Glauner GmbH & Co. KG, Germany

PROJECT

Increased compressed air requirements resulted in the installation of a new BOGE compressed air system

BOGE PRODUCTS IN USE

BOGE S 56-4 LF screw compressor,
BOGE C 22-2 screw compressor,
BOGE bluekat Converter BC 110,
Compressor management system
BOGE airtelligence provis 3



PROJECT INFORMATION

THE CHALLENGE

The bottling plant and aeration of the beer wort are operated via pneumatic vacuum generators and pneumatic cylinders at Alpirsbacher, which require oil-free, constantly dried compressed air. Because of the increased compressed air requirements, the plant now needs to be expanded – with maximum operating safety and redundancy.

BOGE'S SOLUTION

Alpirsbacher opted for modern components from BOGE – including two BOGE S 56-4 LF frequency-controlled screw compressors with oil injection cooling and a power output of 55 kW, controlled by the airtelligence provis 3 compressor management system. In addition to reduced energy consumption and lower noise emissions, excellent figures were reached for effectiveness, reliability and efficiency.

THE RESULT

A complete turnkey system that allows efficiency gains of more than 30 %!

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