



Reference report



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Loos U-MB boiler for beverage manufacturing

Located in Bissingen in the heart of Bavaria's idyllic Kessel river valley, Fürstliche Bissinger Auerquelle has been producing beverage products for distribution throughout southern Germany for approximately the past 100 years. For some months now, the company has been using a state-of-the-art steam boiler from the Bosch Thermotechnik brand Loos.

Bissinger Auerquelle's new 342 metre-deep well, drilled in 1994, gives the company access to a very high-quality water. Bissinger Auerquelle produces up to 300 000 bottles daily. Most of this is bottled as mineral water, but the company also offers sodas and other soft drinks. For cleaning the bottles, a reliable steam supply is needed, and for this reason Bissinger Auerquelle opted for the innovative Loos U-MB steam boiler.

This boiler has a steam capacity of 2020 kilograms per hour. Its modular construction means that it is easily able to satisfy the customer's requirements in terms of emissions, energy efficiency and steam quality, with efficient operation ensured by heat recovery devices and an integrated economizer and vapour cooler. Its touch screen-operated LBC boiler control unit offers convenient automated start-up, standby and shutdown functions, and additionally protects the boiler and system against corrosion, water impact and brining. Since March 2011, the innovative automatic function SUC has also been available as an option for all Loos high-pressure steam boiler type series. Further system equipment available includes a low-emission burner, a WTM water softening module, a CSM condensate service module, and a WSM-V water service module.

The U-MB boiler's compact design and the various ready-to-connect boiler house modules resulted in a quick and easy incorporation of the boiler into the boiler house at Bissinger Auerquelle. Hörmann GmbH & Co. from Donauwörth was responsible for planning, consultancy and installation, while staff from Bosch Industriekessel GmbH's sales region for Southern Germany were on hand to assist in all issues relating to innovative boiler technology.



The U-MB steam boiler with SUC automatic start-up control at the beverage company Bissinger Auerquelle.