

GF Piping Systems

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COOL-FIT

Energy-efficient water supply for brewery

COOL-FIT installed at Geilings Bräu

High quality and safety requirements
are fulfilled with the COOL-FIT system

The dream of owning a brewery



The Geilings Bräu brewery in Kamp-Lintfort, Germany, was integrated into the 400-year old Geilings Hof farm. Established in 2017, the regional Geilings Bräu brewery decided to expand its operations in 2019 due to increased demand. For the piping system for cold water supply to the new fermentation tanks, the owners opted for COOL-FIT made of weldable plastic, as the insulation forms a robust closed surface that is therefore very easy to clean. Straight-forward to plan and install, the pipes are also maintenance free, have a higher energy efficiency and are very durable.

Project background

Currently, Geilings Bräu already produces around 800 hectoliters of beer annually. In the future, the brewery plans to further increase its range of beer types, which makes the logistics increasingly demanding. The required new piping system should flexibly accommodate future expansions and be easy and quick to install, as the brewery often handles installations itself and operations can only be interrupted briefly.

Chosen technical solution

The robustness and high quality of COOL-FIT made of weldable plastic fulfils the brewery's high quality and safety requirements. In addition, it is corrosion-free and quickly and easily installed thanks to its pre-insulation. With stainless steel pipes this would have required a much more extensive effort and probably would have required an external expert for stainless steel welding. What is more, COOL-FIT piping systems can be easily expanded.

Improvements achieved

3-in-1 plastic design looks more coherent than stainless steel with insulation. As opposed to conventional metal systems, the closed surface keeps the risk of contamination during cleaning and operation very low. In addition, the low thermal conductivity of plastic and the robust foam insulation make the system exceptionally energy efficient.



The two master brewers were able to cut the already pre-insulated plastic pipes and install them in a single session as desired without any previous expertise.



Easy to plan and install, COOL-FIT is also distinguished by the fact that it is maintenance free, offers higher energy efficiency and is very durable.

Customer benefits

- The low thermal conductivity of plastic and robust foam insulation minimize energy losses and lower operating costs
- GF Piping Systems offers its customers an electrofusion unit and tool rental service to allow them to carry out installation themselves
- Easy to keep clean thanks to the closed surface

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