

GF Piping Systems

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COOL-FIT

Lower energy consumption in the brewing process

Brewery: Erusbacher & Paul in Villmergen, Switzerland

Pre-insulated pipe cooling system is easy to install, simple to clean, and saves up to 30% energy.

Low-cost beer storage

The Erusbacher & Paul brewery, founded in 2000 and based in Villmergen, has eight employees who produce a total of 16 different types of beer and about 6,000 hectoliters of beer each year. The company was looking for an efficient, hygienic, and visually appealing pipe cooling system for its new building. The pre-insulated COOL-FIT system from GF Piping Systems won the company over, thanks to its fast and simple installation, robustness, and ease of cleaning.

Project background

When it became clear that the old premises were no longer large enough, Erusbacher & Paul decided to erect a new building, which was completed within two years. In addition to a new restaurant, the building also features a beer shop with a tasting area. To ensure the cooling to -1° Celsius required for beer storage the new building had to be equipped with a new pipe cooling system. The most important factors for choosing a system were efficiency, cost, and ease of cleaning.

Selected technical solution

Erusbacher & Paul opted for COOL-FIT because the system could be installed quickly within the short timeframe of around half a year. Calculations proved that COOL-FIT 2.0 could be installed 10 to 20% faster than other solutions, because it does not need to be post-insulated after installation. The seamless insulation made of corrosion-resistant plastic means that cleaning is quick and easy. The hard jacket resists mechanical stress, making the system even more robust.

Improvements achieved

COOL-FIT was installed completely pre-insulated within the given timeframe, by just one company. The pipe cooling system, with all the components supplied by a single source, was laid right through to the tanks. An additional advantage, discovered during operation, was that condensation did not form at any point. The installation costs were comparable to conventional systems, and the brewery is currently cooled using around 30% less energy.



The system can be perfectly integrated into the brewery environment.



The pipe cooling system was installed up to the tanks.

Customer benefits

- **Reliable cooling capability for the building and industrial systems for decades to come.**
- **All components, such as pipes, distributors, and valve, are pre-insulated to ensure a low level of loss and maximum efficiency.**
- **Fast installation to ensure the start of production without unnecessary delays**
- **Clean installation and permanently visually appealing solution**

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