

COOL-FIT

Pre-insulated piping system for winery in Germany

COOL-FIT installed at ZGM Weinkellerei



Pre-insulated PE piping system ensures cold water supply of new tanks.

All-in-one solution from a single source – COOL-FIT helping provide joie de vivre

Based in Zell an der Mosel, the Zimmermann-Graeff & Müller (ZGM) winery is one of the best in Germany. National and international customers appreciate the high quality of the products. In 2019, the operators decided to further expand the production capacity with additional modern tanks for wine production as part of a new building. For their cold water supply, the winning solution was the factory pre-insulated PE piping system COOL-FIT, which could be installed in one trade and is very resistant thanks to the robust insulation and outer pipe jacket.

Project background

Founded in 1886 by Jacob Zimmermann and now run by the fifth generation, the winery in Zell focuses on bringing traditional winemaking craftsmanship and modern standards into harmony in all their products. The requirement for the commissioned plant engineer in terms of production and process reliability: the selection of a safe and energy-efficient piping system for the required cold water supply. In addition, the solution should not corrode even in the high humidity in the cellar/tank store.

Selected technical solution

In consultation with the operator, the plant construction company Hüttenhein opted for the COOL-FIT piping system because it met the high quality requirements and after quick installation it could be put into operation immediately. In the tank area, COOL-FIT 2.0 is the selected solution for the complete piping system, including pipes, fittings and transitions. COOL-FIT 4.0 is used in the area of the refrigeration unit. Throughout the project, technical support was provided by Marcel Keil, Technical Sales Industry at GF Piping Systems.

Accomplished improvements

Thanks to the lower thermal conductivity of plastic and the robust foam insulation, COOL-FIT is particularly energy-efficient and reliable. In the long term, these characteristics ensure safe, corrosion-free and cost-saving operations of the cooling of the wine tanks. The 3-in-1 construction of weldable plastic – consisting of medium-carrying pipe, insulation and robust jacket – reduced installation time to a minimum.



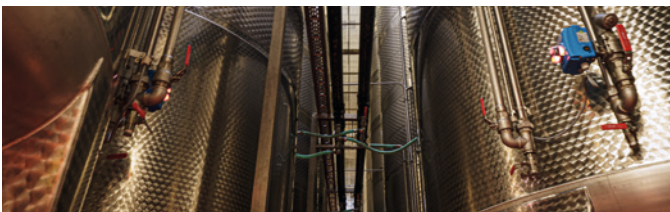
The 3-in-1 construction of weldable plastic – consisting of medium-carrying pipe, insulation and robust jacket – reduced installation time to a minimum.



The highly resistant HDPE outer jacket protects the insulation foam and provides an additional layer of insulation.

Key benefits

- Increased of plant efficiency with low production costs due to pre-insulation of all components, including pipes and valves.
- Lightweight alternative to traditional metal systems. Lowers structural requirements on buildings and supporting structures.
- Sophisticated system design makes it easy to keep piping clean; prevents sedimentation and minimizes pressure drop problems.



With its high-quality products, the winery Zimmermann-Graeff & Müller brings joie de vivre to national and international customers.

Your contact

Georg Fischer Piping Systems Ltd
Ebnatstrasse 111
8201 Schaffhausen / Switzerland

Telephone +41 (0)52 631 11 11
mail@georgfischer.com
www.gfps.com

The information and technical data (altogether "Data") herein are not binding, unless explicitly confirmed in writing. The Data neither constitutes any expressed, implied or warranted characteristics, nor guaranteed properties or a guaranteed durability. All Data is subject to modification. The General Terms and Conditions of Sale of Georg Fischer Piping Systems apply.

