

COOL-FIT

**High-tech pre-insulated
piping system for
high-quality products**

Mushroom plant: Champinter Soc. Cooperativa

**COOL-FIT piping system achieves
optimum growing conditions at
spanish mushroom production facility**

Robust, reliable system meets precise cultivation requirements



Founded in 1977, Champinter Soc. Cooperativa is a mushroom production and processing cooperative located in Villamalea in the Albacete region of Spain. Champinter was looking to expand its facilities and needed a new piping system for the cooling of the pasteurization and production chambers – one which met the strict temperature and humidity requirements of high-quality mushroom cultivation. Champinter turned to GF Piping Systems as a tried and trusted partner.

Project background

GF Piping Systems delivered the first COOL-FIT system for Champinter several years ago, based on a recommendation by installer Frimavi. Champinter was thus familiar with the quality of the systems and called on GF Piping Systems to install the piping for their new plant facility. The challenge was to provide a large-scale piping system that achieved the correct temperature and humidity for the mushroom growing process, all while minimizing costs and maximizing efficiency.

Technical solution selected

The GF Piping Systems team opted for the COOL-FIT 2.0 and 4.0 system to meet the exacting demands of mushroom cultivation. Different stages of the growing process require precise conditions ranging from 15°C to 55°C, with 85–95% humidity and no condensation build-up. The durable plastic COOL-FIT system was chosen in place of corrodible metal piping as an optimum solution that balanced cost and efficiency. Thanks to the pre-insulated components and the light weight of the system, the installation at the new facility could be realized in a short time.

Improvements achieved

The COOL-FIT system not only meets all the technical requirements for stable growing conditions; it is also 50% more efficient than the old piping system. The pre-insulated plastic piping made installation as quick and cost-efficient as possible, eliminating the need insulation and mechanical protection. In addition, the durability and reliability of the energy-efficient COOL-FIT system radically reduces maintenance costs, resulting in substantial customer savings over the long term.



Almost 2.000 meters of COOL-FIT pipe was installed at Champinter.



Technical advice was given from the beginning to make the working processes more efficient and to ensure a smooth process.

Customer benefits

- Ideal growing conditions thanks to a pre-insulated system
- Fast, straightforward installation resulting in lower costs
- Durable, reliable system minimizes maintenance and follow-up
- System optimized for energy efficiency

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