



Swiss cheese craftsmanship

supported by Zitrec L

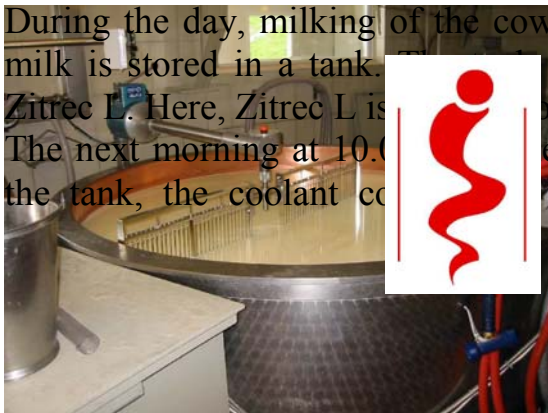
Our Customer

Alpkäserei Sittlisalp, located in the Swiss Alps at about 1650m, is a typical Swiss cheese manufacturer. This charming cheese factory is one of the rare producers of high quality, top-of-the-bill Swiss cheese, appreciated by people around the world. From June to September, 9 families with 196 cows live high up in the mountains and convert a volume equal to 350L of fresh cow milk to cheese. During the rest of the year Mr. Horat is a consulting and building engineer. His specialty of course is this amazing type of mountain cheese factories. Besides his own factory, Mr Horat has constructed 7 similar ones.



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During the day, milking of the cows takes place and in the evening the milk is stored in a tank. The milk is kept at the right temperature with Zitrec L. Here, Zitrec L is used to cool down the tank. The next morning at 10.00 am when the last fresh milk was added into the tank, the coolant circulation is switched off. Then the Zitrec L solution runs via an electric heat exchanger to heat up the milk for the cheese production. After some time the milk has thickened enough to have it cut in small 5mm pieces.



These pieces are then pressed to cheese and stored as fresh cheese forms in a cold storage room. A second storage room holds the 1 year old cheese. Zitrec L, flowing through 2 separate circuits, keeps these rooms at the right temperature. Among other factors it is important for the quality of the cheese that the rooms are kept in the right temperature condition.

Freeze protection

In the winter when the snow is about 3 – 4 meters high, all circuits have to be shut down. Thanks to Zitrec L's freeze protection, nothing will freeze. Twice a week, the plant is checked by the owner, who climbs up with his skis.

Important choices

Efficient energy usage and environmental aspects have always been the prime concern of Mr Horat, manager of Alpkäserei Sittlisalp. In its construction and design as well as in its operation these elements are clearly present in the production plant. Therefore, apart from using Zitrec L, the electric power for the factory is supplied from a water driven Pelton type turbine.

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