

# VORARLBERGER MILCH

Vorarlberger Milch is a regional dairy cooperative of 600+ Austrian farmers with focus on sustainability of processes like short supply distances, non-genetically modified ingredients and care for the local culture, flora and fauna. The production process needs to cater for hygiene, safety and economy but also has to be as gentle to nature as possible. The expansion of the cheese maturing rooms is realized by the natural refrigerant ammonia and by with semi-hermetic compressors which are highly efficient and due to their design also leak-proof. Contractor ENGIE Austria designed and built two duo-packs for small footprint and easy serviceability. Driven by inverters the capacity is always closely matched to the demand, thus being able to save energy.



2 x SRS12L semi-hermetic compressors with a displacement of 287 m<sup>3</sup>/h each are operating on a common frame together with a plate heat exchanger as a chiller to deliver brine at exactly -6 C for stable process conditions.

## MAIN FEATURES:

- Newest 5/7-i-profile for highest efficiency and lowest demand of oil for sealing and lubrication.
- Semi-hermetic design for small footprint and avoidance of shaft-seals
- Speed control of up to 3600 rpm adapts closely to the capacity profile needed.
- Vi-Regulation for optimal adjustment to temperature zones
- single- and two-stage compressors

SRMTec offers a range of refrigeration technology equipment focused on natural refrigerants like NH<sub>3</sub>, CO<sub>2</sub> and Hydrocarbons like Propane, Isobutane etc. for all kind of applications in every aspect of modern life. The compressors are the development of Svenska Rotor Maskiner, the pioneer of screw compressor engineering since 1908.

**SRM EU** is the subsidiary of Snowman of China for European and American customer support and sales of industrial refrigeration solutions. We cooperate closely with our agents and distributors to be a reliable local partner for our customers.

## PROJECT DESCRIPTION

Process Chiller

SRMTec : 2 x SRS12L

Refrigerant: Ammonia R717

### Technical Data, Total

Capacity Q: max. 2 x 223 kW

Te: -8,5°

Tc: +40,5°

Energy consumption: 2 x 74 kW

COP<sub>total</sub>: 3,02

Commissioning: March 2019

Learn more at [srmtecgroupp.com/products/SRS12L](http://srmtecgroupp.com/products/SRS12L)

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