

FARNY BREWERY

Farny Brewery in Bavaria, famous for their wheat-beer since more than 175 years, was conducting an extension to their refrigeration plants. F-Gas Regulation and the drive to reduce the CO2-Footprint were the motivation to replace R404A by Ammonia.

In using a semi-hermetic compressor system from SRM with its inverter drives the package is following the load profile perfectly to match the demand of refrigeration capacity. Featuring no shaft-seal is allowing to even shut down the system for longer periods (usage as backup system) without the risk of drying up the shaft seal and leakages of Ammonia.

The use of two compressors provides a very low part load capability in combination with redundancy and production security.

Due to its compactness and small foot-print the package required only small space. Assembled in Germany and customized for the application it is a perfect solution for low on-site cost of installation. Ammonia as natural refrigerant assures to be future-proof at highest efficiency.



1 x SRMTec C2AA10L-VDHV semi-hermetic duo-compressor-pack with Qo: 320 kW capacity. Vertical oil separator, economizer and oil cooler



MAIN FEATURES:

- no shaft-seal
- newest 5/7-i-profile for highest efficiency and lowest demand of oil for sealing and lubrication.
- permanent magnet motor for highest efficiency.
- Speed control of up to 5000 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 NH3, CO2 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

Compressor Package

SRMTec : SRS10L,
single stage
Refrigerant: Ammonia R717

Technical Data, Total

Capacity Q: max. 2 x 160 kW
Te: -6°
Tc: +45°
Energy consumption: 2 x 54 kW
COP_{total}: 2,93
Commissioning: Januar 2018

Learn more at srmtecgroupp.com/products/SRS10L

Contacts/Partners of SRMTec Europe www.srmtecgroupp.com

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