

IMLEK DAIRY SUBOTICA

IMLEK is the biggest Dairy Producer in Serbia, Montenegro and Macedonia. In 2019 the expansion to 300.000 litres of milk in their facility of Subotica needed a new compressor package. The objective is to guarantee uninterrupted cooling for their cold storage and to build up an ice storage as energy buffer.

Contractor COOL TECH of Belgrade selected the screw compressor SRM20M for its reliability and efficiency.

The compressor is driven by a frequency inverter between 1500 and 3600 rpm to continuously match the cooling demand.



1 x SRMTec open-drive package with Qo: 974 kW capacity, horizontal oil separator and plate in shell oil cooler

MAIN FEATURES:

- Radial roller bearings designed for 100.000 hours of lifetime
- Newest 5/7-i-profile for highest efficiency and lowest demand of oil for sealing and lubrication.
- Dedicated oil distribution for lubrication and sealing
- Nodular iron casting housings
- Speed control of up to 6000 rpm (dependent on model) 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 :	SRM20M, singlestage
Refrigerant:	Ammonia R717

Technical Data, Total

Capacity Q: max.	974 kW
Te:	-8°
Tc:	+35°
Energy consumption:	231 kW
COP _{total} :	4,2
Commissioning:	Feb 2020

Learn more at srmtecgroup.com/products/SRM20M

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