



High purity water for biotech company Glycom

Industry	Food industry
Application	Ingredient water
Country	Denmark

Description

The customer is Glycom, a privately held research-based biotech company focused on human milk oligosaccharides (HMOs). Water is used as a processing aid and for cleaning operations in the HMO process. In each case, the purity of the water is very important for obtaining a good performance.

The raw water is potable water available from a municipal source. The water treatment solution from SILHORKO-EUROWATER consists mainly of softening unit and two independent reverse osmosis (RO) units. With two independent RO units, the production of demineralized water is secured in case of breakdown or preventive maintenance.

All units are in special custom-made hygienic design ensuring a low risk of microbiological growth as well as allowing hot water sanitizing (HWS).

Water efficiency is important. Therefore, the RO units are made as RO-PLUS, a special design to ensure high water utilization compromising neither the reliability nor the water quality.

Technical data

- Flow, soft water: 70 m³/h
- Flow, RO permeate: 2 x 25 m³/h
- Conductivity: <20 µS/cm

Units in plant

- Softening unit in AISI 316L, STFAG 25 duplex
- Reverse osmosis units in AISI 316L, 2 x RO-PLUS C3-21+3
- CIP unit for RO
- Central PLC control

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