

Reverse osmosis + Antiscalant Dosing

Cooling tower water circuit

APLICATION:

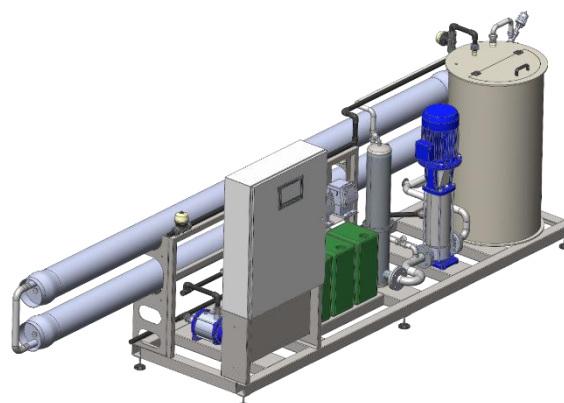
- Treatment of city water for cooling water in chemical plant construction

PROCEDURE:

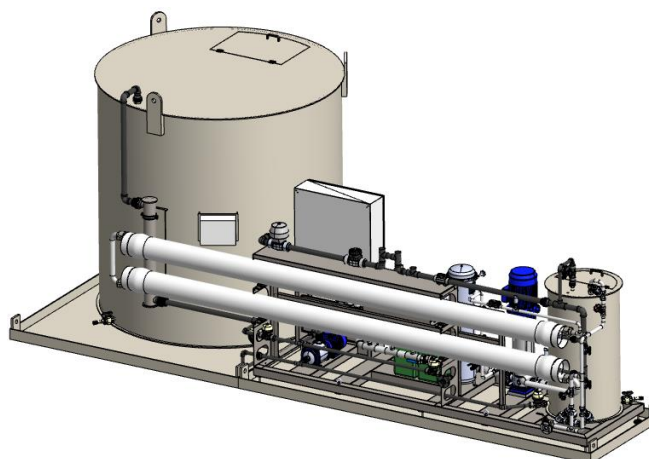
- Reverse osmosis for desalination of hardness sensitized chlorine-free inlet water, membrane area 450 m²
- Antiscalant for water softening
- UV-treatment for disinfection
- CIP-Station for dry cleaning
- Fully automatic control
- Permeate storage tank for 8 m³ for supplying cooling tower circuit

REALISATION: 2020

LOCATION: Germany



Schema reverse osmosis with Antiscalant dosing



Overview plant with storage tank

Parameter/Technical Data	
Temperature	30 °C
pH	neutral
Performance Permeat	8 m ³ /h
Conductivity Permeat	≤ 10 µS/cm
Salt retention	≥ 99 %
Working pressure	Max 12 bar
Installed power	20 kW



Detail reverse osmosis



Plant overview