

MEMBRANE UNIT, HEINOLA, FINLAND

Lahti Energia in Heinola, Finland, supplies water for steam to turbines used in large-scale industrial plants. The steam have a pressures of 70 bars. Björks Rostfria AB designed, module-built, delivered and installed a membrane unit for a this steam turbines.



What is so unique?

In order to minimise down-time at our customer's plant, the entire unit was built at Björks Rostfria AB in Hallstavik. Operation and regulation devices were set up so that test runs and quality checks could be completed prior to delivery. The entire unit was then installed and started up in less than two days.

The unit is made of acid-proof steel and produces a water with microsiemens better then 5. The recovery rate is as high as 80 %.

Contract work:

Björks Rostfria AB planned, designed, built and delivered a turn-key membrane unit.

Unit:

The unit consists of two water production lines. Each line contains two vessels, each with five membranes. Each line supply 10 m³/h and work at a pressure of 12 bars.

Treatment results:

Substance	Raw water	Treated water
Sodium	12,0 mg/l	0,22 mg/l
SO ₄	31,5 mg/l	0,33 mg/l

