

DEMINERALIZED WATER TREATMENT PLANT

JÖNKÖPING ENERGI AB, SWEDEN



FlooRO™ Reverse Osmosis

Background

Flootech delivered a complete and compact Demineralized Water Treatment Plant to the power plant expansion project in Jönköping. The expansion project consisted of a new boiler installation by Valmet at the CHP plant (100MW).

Location

Jönköping, Sweden

Year

2014

Process

Demineralized water preparation from city water and treated flue gas condensate with a capacity of 2 x 12,5 m³/h.



FlooMB™ Mixed Bed Ion Exchange



FlooSoft™ Softener

Scope

Engineering, manufacturing, automation, instrumentation, installation, commissioning for:

- Raw water tank (30 m³) with 2 parallel pumps
- FlooSoft™ Softener unit before raw water tank for removing hardness from the city water
- Complete water treatment equipment consisting of FlooRO™ Reverse Osmosis + EDI + FlooMB™ Non-regenerable Mixed Bed in two parallel lines
- Other auxiliary equipment needed, high pressure pumps, filters, circulation pumps, CIP unit etc.
- Interconnecting piping and valves
- Instruments, analyzers and local control
- Erection, training, start-up services, documentation

Main Benefits of Flootech Demineralized Water Treatment

- Fulfilling demanding water quality requirements
- High reliance and stable outgoing water quality
- Low maintenance cost and stand-alone operability
- Compact and efficient design
- Lifecycle aspect considered in design, dimensioning and maintenance
- Integrated design for lowest fresh water usage and waste water discharge
- Fast-track project execution, trouble free guarantee period and operation