

CASE STUDY 25

Client: Aqua Interiors

End User: Thornton & Ross

Project: HevaSteam Packaged Steam/Water Heat Exchangers

Products: Packaged Plate Heat Exchanger, Direct DHW Vessel, Pumps & Controls

Date: May 2015

Project Description

We received an order to design and manufacture a steam/DHW packaged heat exchanger system. Each plate heat exchanger was designed for a duty of 384 kW with a design output temperature of 70 DegC, to be used for process washdown. Each plate heat exchanger was supplied with full steam controls and condensate removal pumps, along with a secondary pump system to heat the water ready for storing in the package mounted direct storage cylinder.

Our steam controls package consisted of fast-acting electromagnetic control valves with a separate electrically actuated high limit valve with a spring return function. The condensate was recovered by the integrated steam powered condensate pumps with integrated steam traps.

After successful commissioning, our engineers gave full training to Thornton & Ross engineers to explain constituent components and operation, including routine maintenance training

