

CASE STUDY 34

Client: Environmental Engineering
End User: Kerry Foods, Attleborough, Norfolk
Project: Domestic Hot Water Production
Products: HevaSteam Steam/Water Packaged Heat Exchangers
Date: September 2016

Project Description

Arbe supplied 2 off HevaSteam steam/water packaged heat exchangers for Kerry Foods in Norfolk. Each unit was designed to generate domestic hot water with steam supplied at 10 BarG. The units were fully packaged for plug-and-play operation and were supplied with integrated steam and condensate control equipment and with a domestic hot water buffer vessel.

The controls package consisted of an electro-hydraulic high temperature limit valve with an electromagnetic control valve, which offers fast and accurate temperature control. The high limit valve was complete with an emergency function which closes the valve on high temperature alarm and also power failure. The steam line also had an integrated steam pressure reducing valve fitted with an integrated steam drain line included to ensure dry steam. The condensate was controlled via a float type steam trap and all necessary valving and ancillaries.

The secondary domestic hot water side includes a secondary shunt pump for the packaged buffer vessel and also a secondary return system pump c/w integral speed inverter for accurate setting of the flowrate

