



Danone ordered a steam trap for a 10MW heat exchanger for hot water at one of their New Zealand dairy factories. The dairy factory had already installed a number of our steam traps and they were happy with them, so when this application arose, they directed the consultant to specify a venturi orifice steam trap for this new application. The consulting firm was originally looking to use an 80mm ball float mechanical steam trap for this application as they did not have any experience with venturi orifice steam traps.



The brief was for the heat exchanger to reach temperature quickly and the consultants were doubtful that the Delta venturi steam trap would be able to respond to the turn up speed they required to meet the design conditions. An agreement was made that stated that if the trap did not meet the design criteria, we would pay for a trap of their choice to replace it. The consultants were doubtful, and what caused even more scepticism was that a 40mm Delta venturi steam trap was supplied for the application with a written guarantee of performance instead of the 80mm steam trap specified.

During commissioning the control loop had to be slowed down because the response was too fast. The result: The dairy factory is happy with the performance of the unit and the consulting firm are entirely happy with the trap's performance as well as the lower cost of the trap compared to that of an 80mm mechanical ball float trap. Needless to say, the consulting firm has confirmed that they will be looking to specify venturi orifice steam traps going forward.