



Water heater

Unit to increase feed water temperature



Application

A water heater is a simple unit to increase water temperature using a steam-supplied tubular heat exchanger.

A typical application can be:

- Pre-heating water supply for dissolving ingredients

Highlights

- Small footprint
- Pressure surveillance system for highest product safety
- All piping stainless steel (including steam and condensate piping)

Working principle

A heat exchanger is built on a simple frame along with a tubular heat exchanger connected to a steam supply, condensate return, and a water line connected in crossflow.

A control logic adjusts the steam supply and hence the temperature of the water outlet. A pressure surveillance system ensures product safety in any process step (higher pressure on the culinary water side than on the steam side).

Main components

- Frame
- Tetra Pak® Tubular Heat Exchanger S*
- Hot water outlet
- Condensate return
- Steam inlet

* Alternative tubular heat exchangers can be used if capacity is demanding for.

Control panel

Delivered without control panel.

Example layout

Measurements on request.

Technical data

Available in different sizes depending on capacity.
All parts in contact with the product are made of AISI 316L.
The frame is made of AISI 304L.

Electrical power	400 V, 50 Hz
Other supply voltage or frequency available	

Compressed air	600 kPa (6 bar)
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