PRODUCT DATASHEET

Steam-to-Hot-Water Heating Skid

Steam-heated exchanger skid supplying hot water to process and utility users

Product page





Close-up: steam exchanger with the steam control valve, condensate pot and pumps

OVERVIEW

The Tech Inc. Steam-to-Hot-Water Heating Skid turns plant steam into hot water at a controlled temperature. Steam heats water in a shell-and-tube or plate exchanger; a steam control valve holds the hot water supply temperature; condensate drains through a trap set; and duty/standby pumps circulate the hot water to your users.

TYPICAL DESIGN DATA

Duty	Heat load, supply and return temperatures and flow to your users
Steam	Supply pressure as available on site; control valve sized to the duty
Condensate	Trap set with strainer and isolation; return to your condensate system
Codes and standards	TEMA design basis for shell-and-tube; PED 2014/68/EU or ASME Section VIII; CE marking
Pumps	Duty/standby
Design basis	TEMA for shell-and-tube exchangers; PED 2014/68/EU or ASME for pressure parts
Construction	Painted steel base frame; insulated and clad steam and hot water pipework

MODELS AND CAPACITIES

- **TI-SHW-S** – shell-and-tube skid
- **TI-SHW-P** – plate exchanger skid
- **TI-SHW-H** – hygienic stainless steel skid

Skids are built to your steam supply, hot water duty and users.

ORDERING CODE

Example **TI-SHW-S-500**: **S** exchanger: S shell-and-tube, P plate, H hygienic; **500** heat duty in kW.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** hygienic stainless steel build; condensate recovery pump; variable-speed pumps; installation, commissioning and operator training.

KEY ADVANTAGES

- **Steady temperature** – control valve on supply temperature
- **Condensate handled** – trap set and drain included
- **Duty/standby pumps** – no stop for pump service
- **Packaged** – tested as one skid

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

How to cite: Steam-to-Hot-Water Heating Skid (Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/steam-to-hot-water-skid

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Values are typical and can change; performance depends on the fluids, operating conditions, usage and operation in line with the operation manual. Final configuration to client specification.