PRODUCT DATASHEET

Thermic Fluid (Hot Oil) Heater Skid

Electric thermic fluid heater skid with pumps, expansion tank and controls

Product page





Close-up: clad heater vessel with temperature instruments, pumps and the control valve

OVERVIEW

The Tech Inc. Thermic Fluid (Hot Oil) Heater Skid heats a thermic fluid (hot oil) loop that carries heat to presses, reactors, dryers, tanks and rollers at temperatures where steam would need high pressure.

TYPICAL DESIGN DATA

Duty	Heat load and supply temperature to your process; temperature limit set by the thermic fluid chosen
Heater	Electric bundle, thyristor controlled, with sheath and outlet high-limits
Pumps	Duty/standby, with seals suited to hot oil
Codes and standards	DIN 4754 design basis; PED 2014/68/EU or ASME Section VIII; CE marking
Protection	Low-flow, high-temperature and expansion tank level interlocks
Design basis	DIN 4754 for heat transfer installations with organic fluids; PED 2014/68/EU or ASME for pressure parts
Construction	Painted steel base frame with drip tray; insulated and clad pipework; separate control panel

MODELS AND CAPACITIES

- **TI-TFH-E** – electric heater skid
- **TI-TFH-S** – skid with secondary user circuits
- **TI-TFH-HC** – heating and cooling skid with hot oil cooler

Skids are built to your heat load, supply temperature and users.

ORDERING CODE

Example **TI-TFH-E-150**: **E** type: E electric, HC heating and cooling, S secondary circuits; **150** heater power in kW.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** hot oil cooler for heating and cooling; secondary user circuits; nitrogen blanket on the expansion tank.

KEY ADVANTAGES

- **High temperature, low pressure** – no high-pressure steam system
- **Precise control** – thyristor power control on supply temperature
- **Protected** – flow, temperature and level interlocks
- **Duty/standby pumps** – no stop for pump service

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

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