TERI

AN OGI BRAND

Horizontal Forced Draft Heaters

ENGINEERED FIRED EQUIPMENT FOR THE ENERGY INDUSTRY

TERI Horizontal Forced Draft Water-Bath Heaters are commonly used in applications where process temperatures do not exceed 170°F, including utility, gas processing, oil and gas refining, and other industrial applications. Our Horizontal Forced Draft Heaters can be designed in single, double, or triple-burner configurations. Engineering and manufacturing units from 1 MM Btu/hr. up to 15 MM Btu/hr., our expert team can conceive and construct the right TERI Horizontal Heater for your needs.

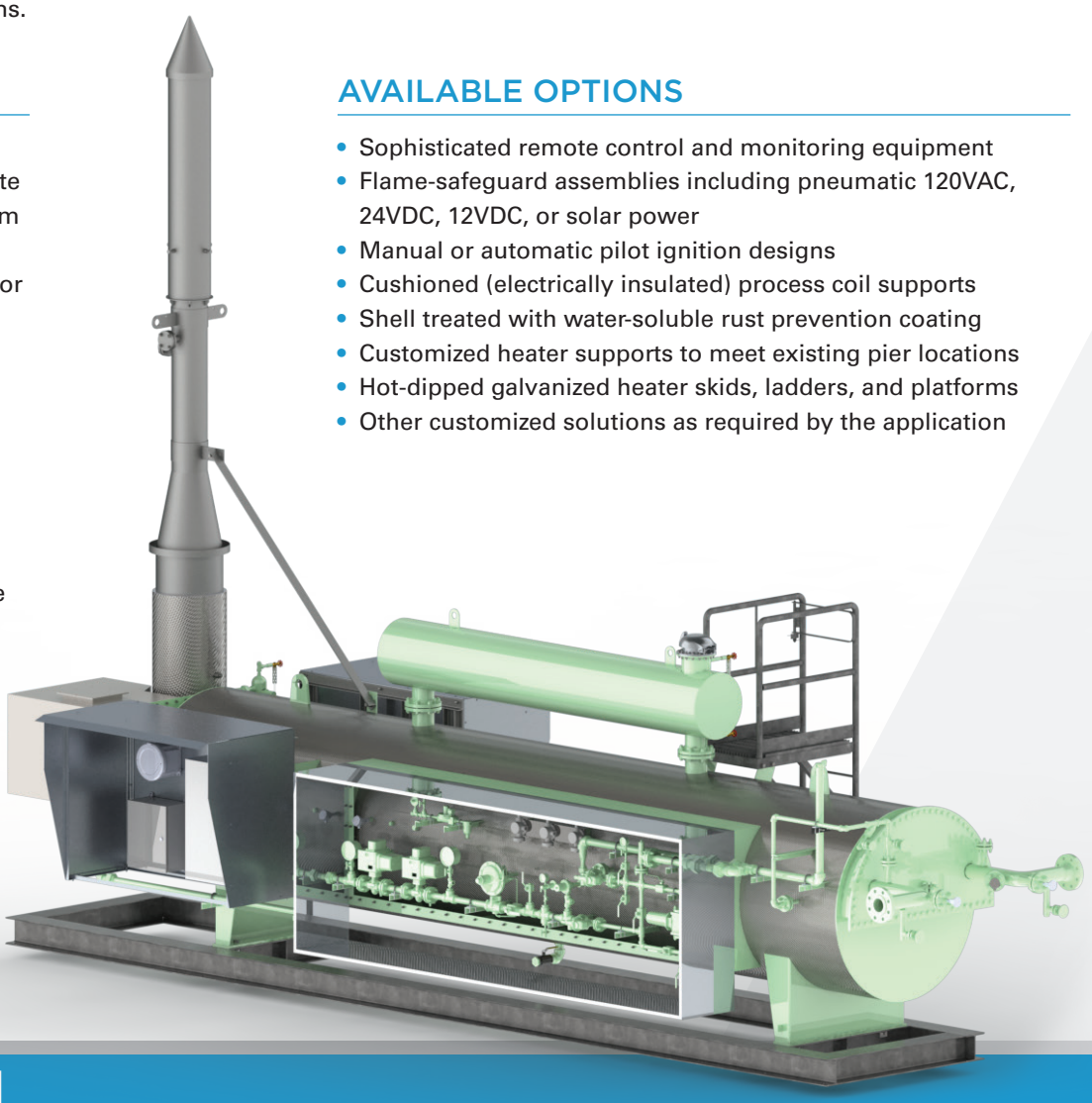
For low-emission requirements, TERI Forced Draft Horizontal Heaters offer an ideal solution to reduce dead gas film along the tube walls and provide superior burner control, making fine-tuning the air/fuel ratio possible in order to achieve efficient combustion and lower emissions.

APPLICATIONS

- Heating natural gas prior to pressure reduction to eliminate hydrate formation downstream of expansion valving
- Heating well stream fluids prior to phase separation
- Heating process streams to maintain fluid viscosity at a minimum in order to reduce HP pumping requirements
- Heating turbine fuel gases to meet manufacturer's temperature requirements
- Vaporization of liquid propane

AVAILABLE OPTIONS

- Sophisticated remote control and monitoring equipment
- Flame-safeguard assemblies including pneumatic 120VAC, 24VDC, 12VDC, or solar power
- Manual or automatic pilot ignition designs
- Cushioned (electrically insulated) process coil supports
- Shell treated with water-soluble rust prevention coating
- Customized heater supports to meet existing pier locations
- Hot-dipped galvanized heater skids, ladders, and platforms
- Other customized solutions as required by the application



24/7 Tech Support
918-246-1600

OGI PROCESS EQUIPMENT

TERI is a brand of OGI Process Equipment, Inc.

OGIPE.COM

P: 918.246.1600 | F: 918.246.1699 | sales@ogipe.com
PO Box 1620, Sand Springs, OK 74063 | 8939 West 21st Street, Sand Springs, OK 74063

FOLLOW US ON:

TERI
AN OGI BRAND

Horizontal Forced Draft Heaters

ENGINEERED FIRED EQUIPMENT FOR THE ENERGY INDUSTRY

FEATURES

- Plasma-cut, TERI-fabricated components
- Individually removable fire tubes designed to transfer heat efficiently into the surrounding heat media and minimize flue gas friction losses
- Process coil designed in accordance with API 12K or ASME VIII Div 1 code requirements
- 304 SS flue gas stack or stacks designed to provide positive flue gas flow (draft) by overcoming the friction losses in the complete combustion system
- Stack clean-out tee
- Flue gas stack anti-reverse draft diverters with train cap and bird screens
- Essential electric and pneumatic in addition to PLC control systems
- Multi-mitered fire tube bends (no single miter cut to greater than 22.5°)
- Positive seal flange designs
- Bath liquid expansion tank designed to contain 7% of the total bath media and 100% of the expanded bath media from a temperature of 40°F to the maximum operating temperature
- Bath liquid level gauge and temperature indicator
- Shell designed in accordance with API 12K
- Fuel gas train designed to API 12K standards, with larger duty heaters also meeting ASME standards
- 100% radiography inspection of process coil welds

24/7 Tech Support
918-246-1600