



ELECTRIC HEATERS



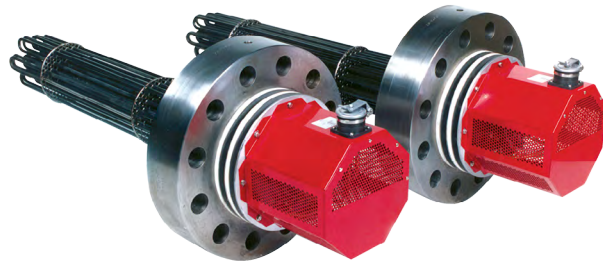
/ ELECTRIC HEATERS

The THM Electric Heater line is created to provide a simple, flameless solution for your heating needs. Electric heaters provide customers a simple option to help in their journey towards sustainability and reducing their overall carbon footprint. Using readily available low voltage (480V) electricity, our heaters can be used in a number of different applications and perform well in systems that require a finely controlled set-point. THM has standard sized units available for various applications or we can customize a package to meet your exact needs.

Some typical electric heater applications include:

- Hot Oil Heating
- Regen Gas Heating
- Line Heaters
- Reboilers
- Tank / Immersion Heaters
- Heater Treaters
- Fuel Gas Conditioning

UP TO 5 MW DUTY



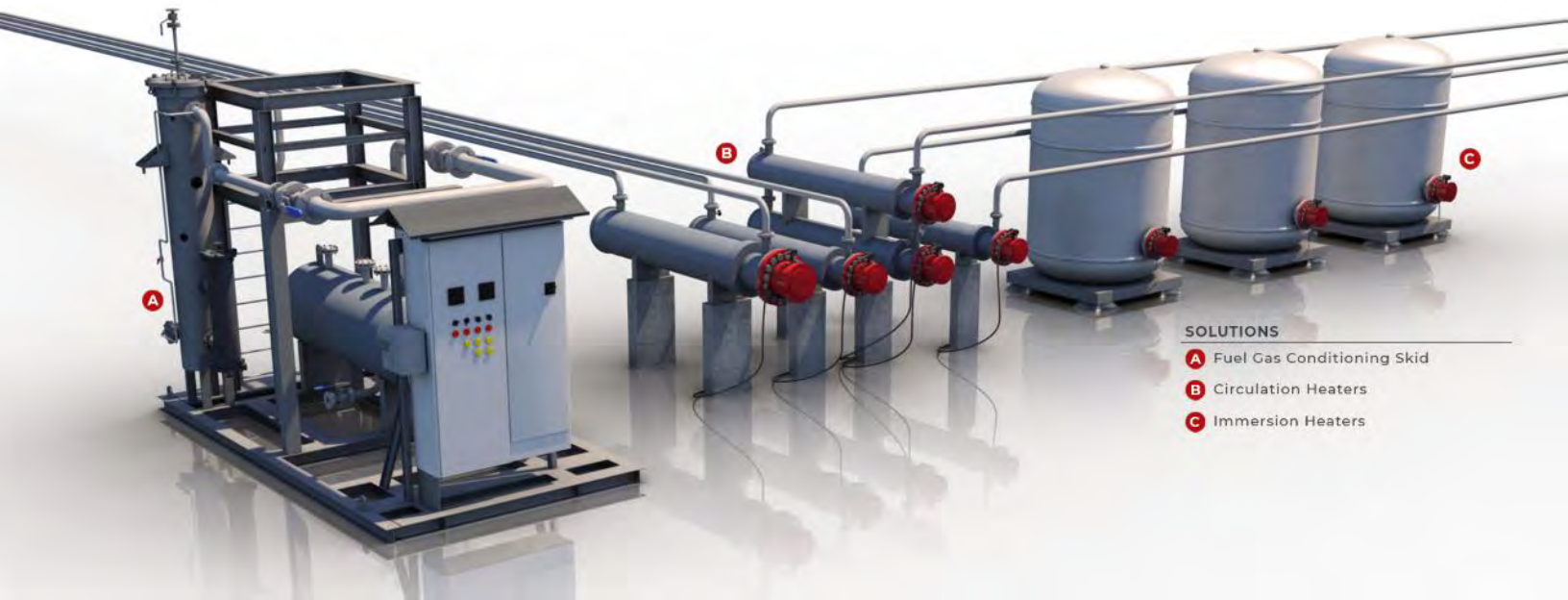
Electric heating elements are nearly 100% efficient. This means that more of the heat generated is distributed to your process and not lost along the way. Heater efficiency also stays the same even during turndown cases.



No local combustion means that our electric heaters generate no local NO_x or CO₂ emissions. This helps reduce the number of emission sources on-site, as well as lower your overall plant emissions load.



Fewer moving parts means fewer things that need to be maintained. Electric heaters offer significantly lower maintenance costs compared to a gas fired equivalent, helping save both time and money.



SOLUTIONS

- A** Fuel Gas Conditioning Skid
- B** Circulation Heaters
- C** Immersion Heaters

/ ELECTRIC HEATERS



- ✓ Standard and custom designs available
- ✓ Suitable for both horizontal and vertical installation
- ✓ Requires less plot space/footprint than a gas-fired heater for similar duty
- ✓ Available with a variety of materials of construction for elements and vessels
- ✓ Less technical expertise required as compared to gas-fired equipment
- ✓ Hot oil systems available as a complete package with pumps and expansion tank on a skid

NEED BIGGER?

Need something greater than 5MW? Ask about our medium voltage (4160V) capabilities. The higher voltage reduces the number of circuits as well as the wire gauge size.

/ SCR CONTROL PANEL

For systems that require precise controls, SCR control panels offer a wide range of flexibility to owners and operators.

Power: Up to 5MW
Voltage: Up to 690V



- ✓ SCR panels can be stand alone or skid mounted depending on project needs
- ✓ Ability to work within multiple codes, both domestic and international - ATEX, NEMA, IEC, CSA, UL
- ✓ Power control modes: On/Off, Step-Controlled, and full SCR, PLC
- ✓ Can be located in either hazardous or non-hazardous areas



SHO Heaters

Custom engineered heaters commonly used in gas plants, refineries, power plants and other applications.

Typical services for SHO heaters include:

- Hot oil heater
- Regen gas heater



HydroFlux Heaters

These indirect fired heaters, also known as "bath heaters," have been used in gas plants, pipelines, power plants and other applications.

Typical services for HydroFlux heaters include:

- Line heater
- Crude oil heater
- Gas vaporization
- Gas dew point heating
- Condensate stabilizing

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Product images courtesy of Thermon