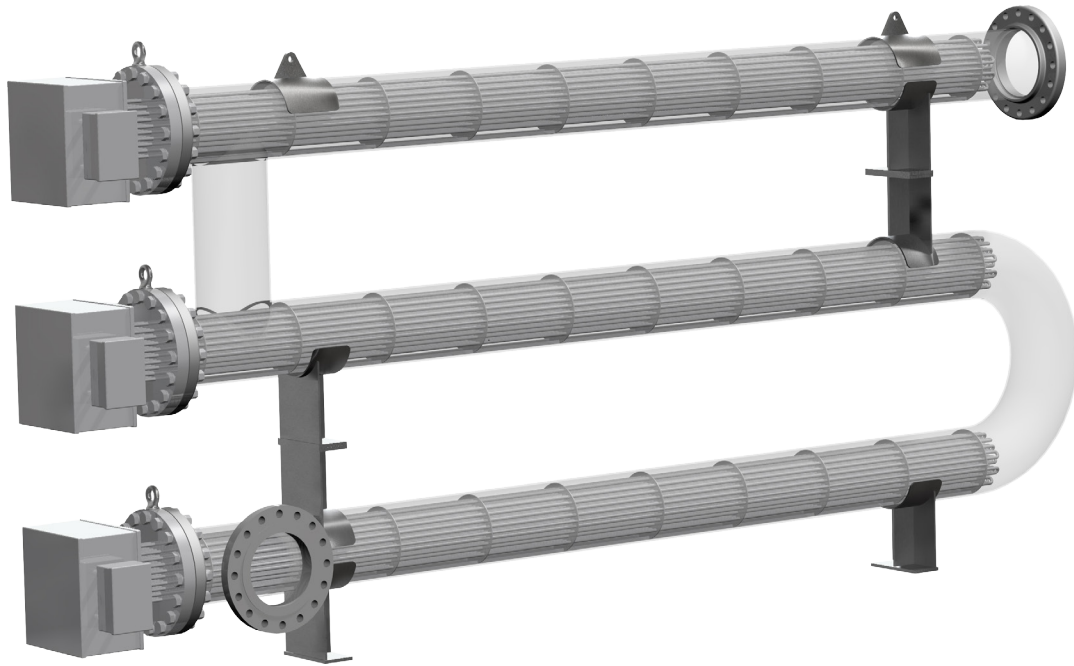


## High Temperature Applications

EXHEAT's electric process heaters can be designed for high temperature applications in excess of 500°C. Our extensive experience in material selection, thermal design and construction techniques allow us to meet the exacting standards of various process licensors.



### FEATURES

Heaters connected in series of vessels for optimal heat transfer

Multiple heaters allow for varying heat input across the required load

Process simulation for optimal design

Stand-off construction to meet the specification and certification requirements for terminal box temperatures

Heat shield and insulation discs for terminal box temperature protection

Use of rod-type baffles to meet heat transfer requirements whilst ensuring a very low system pressure drop

Direct welding of element sheath to tubesheet utilising automated orbital welding process

**Design Capabilities** Heaters can be designed for up to 5000kW in a single heater bundle and for process temperatures up to 800°C; process guarantees for confirmed temperatures and pressure drops

**Vessel Materials** Stainless steel 321/321H  
Stainless steel 316 Ti  
Chromoly steel

**Internal Materials** Alloy 600  
Alloy 800  
Alloy 825