

# Section 5

## Flange, Circulation & Process Heaters



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ThermalEx® Hazardous Area Heaters

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## Flange, Circulation & Process Heaters

Flange, circulation and process heaters are suitable for larger volumes of liquid and where greater temperatures are required. Tubular elements are welded or brazed into a standard pipe flange.

Thermal manufacture a large range of flange, circulation and process heating units, suitable for an infinite range of applications, including:

- Caustic Cyanide used in gold processing
- Hot water storage
- Asphalt
- Wax
- Caustic solutions
- Detergent
- Sterilising equipment
- Heating oils - ranging from fuel, heat transfer, lubricating and vegetable types
- Gases - all types
- Clean In Place (CIP) systems

A range of flange diameters (50mm NB to 600 NB) and materials are available with heater unit length from 300mm to 6000mm long.

### ***Installation - Flanged***

The heater assembly is bolted onto a mating flange which is welded to the tank wall or pipe. TEE can suggest a suitable option or can match a heater design to suit an existing tank inlet.

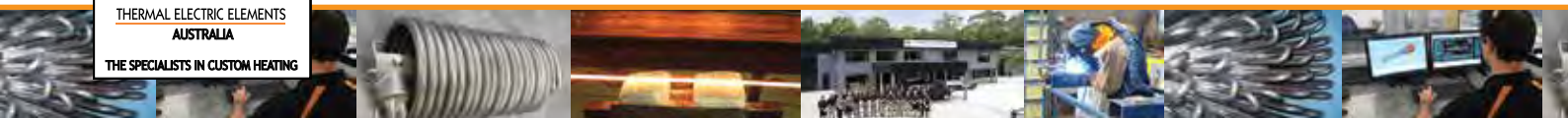
### ***Features***

Larger output.

Economical installation.

### ***Options***

- Can be manufactured in Stainless Steel, Incoloy or Titanium
- Various wattages and voltages
- Various element diameters
- All types and several flange sizes available
- Can be manufactured certified to IECEx standards - **See Section 4**



## ThermalEx<sup>®</sup> Hazardous Area Heaters

ThermalEx certified process, inline and immersion heaters are often used in various applications, including Butane/Propane vapourisers; Glycol (TEG & MEG) reboilers; Crude oil; Fuel oils; Sea water; Tank heating; Industrial Gases and more.

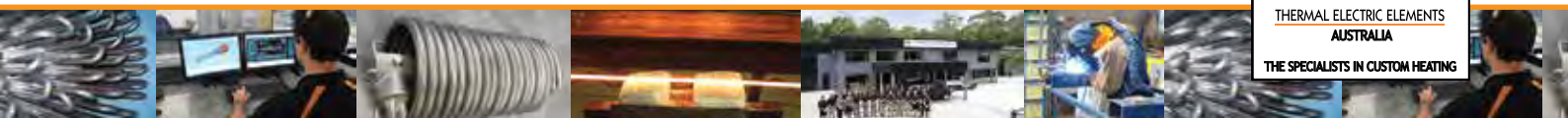
All ThermalEx units are custom designed to produce the most efficient solution for your needs.

The current range of ThermalEx heaters are certified to Ex 'd', Zone 1, Group I, IIb and IIb + H2 with temperature classifications from T3-T6 and rated to IP66.

This range is constantly expanding, so if you are looking for something outside this range, please contact us to discuss the options available.

All ThermalEx units are designed and manufactured in Australia at TEE's Coffs Harbour plant in Northern NSW, cutting lead times and shipping costs as well as providing easy access to technical advice and after-sales service.

*See Section 4 for more information on Thermal's certified heaters.*



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