

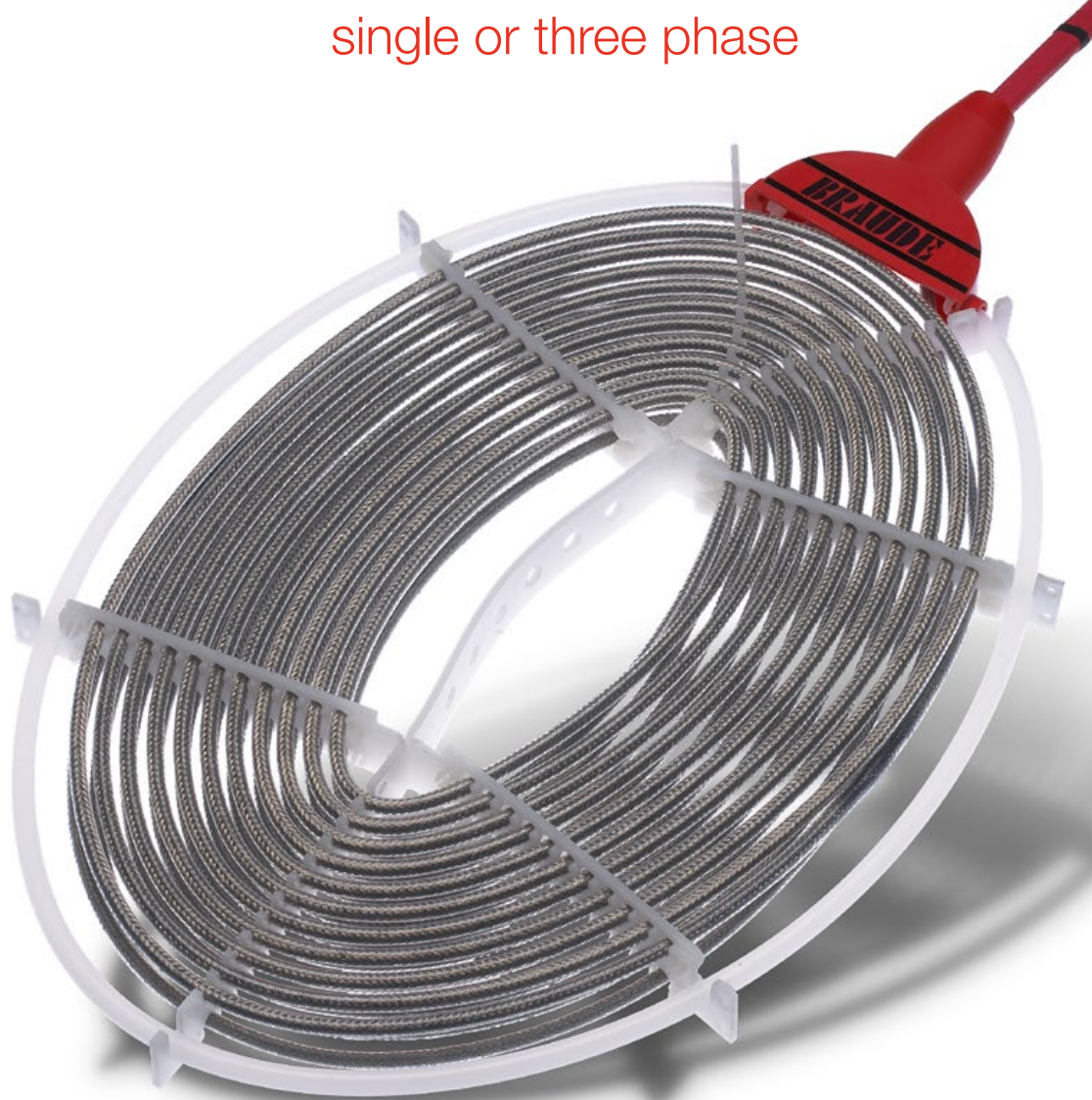
Used worldwide by:

- Steel strip manufacturers
- Wire & Tube
- Chemical Plants
- Metal Finishers
- Galvanising
- Glass Producers
- Aerospace Industry
- Chemical Millers

- Completely non-corrodable
- Easy installation
- High thermal efficiency
- Unaffected by stray currents
- Maximum safety grounded/earthing system
- Fully flexible BraudeFlex cable
- Low watts density
- Range of power ratings & profiles
- Hanging brackets or standoffs
- Antifouling
- Space saver
- Exchange service

POLARIS popular

0.5kW to 18kW
single or three phase



High performance, non-corrodable electric tank heater

The Popular is manufactured from high integrity fluoropolymers to give best protection against deterioration and to give high performance in corrosive solutions.

Now available - fitted to order

OTP: Protect your plant from catastrophic heater failure.
Switches the heater off if the element gets too hot.

HPD: Protect your heater from low level failure.
Simple conductive level device built into the heater.

Polaris Popular

Non-corrodable electric tank heater

The Polaris Popular is a completely non-corrodable fluoropolymer heater designed for highly corrosive solutions

The element has an open construction to allow free flow of liquid across the surface and to limit solid retention, which is particularly important when used in solutions which generate solid deposition such as electroless nickel and copper plating processes.

The heater is thin enough to fit easily into confined spaces, for example behind anode baskets. The Popular can be supplied with hanging brackets for vertical mounting or standoffs for horizontal mounting. The integral BraudeFlex lead has no junctions and is continuous and flexible.

Typical applications: Electroplating, electroless plating, anodising, acid pickling, frost protection for chemical storage tanks, chemical processes, marine water tanks, many more.

Low Profile



High Profile



Square



Round



Cylindrical



Technical Data



| Power kW | Profile Shape | Thickness (mm) | Low Profile | | High Profile | |
|----------|---------------|----------------|-------------|-------------|--------------|-------------|
| | | | Width (mm) | Height (mm) | Width (mm) | Height (mm) |
| 0.5 | round | 25 | 292 | 292 | o | o |
| 1.0 | round | 25 | 292 | 292 | o | o |
| 1.5 | low or high | 25 | 445 | 292 | 292 | 445 |
| 2.0 | low or high | 25 | 445 | 292 | 292 | 445 |
| 3.0 | low or high | 25 | 445 | 292 | 292 | 445 |
| 4.0 | low or high | 50 | 445 | 292 | 292 | 445 |
| 4.0 | square | 25 | 445 | 445 | o | o |
| 4.5 | low or high | 50 | 445 | 292 | 292 | 445 |
| 6.0 | low or high | 50* | 445 | 292 | 292 | 445 |
| 9.0 | low or high | 75 | 445 | 292 | 292 | 445 |
| 12.0 | square | 75 | 445 | 445 | o | o |
| 12.0 | low or high | 50 | 573 | 418 | 418 | 573 |
| 15.0 | low or high | 75 | 573 | 418 | 418 | 573 |
| 18.0 | low or high | 75 | 573 | 418 | 418 | 573 |

*6.0kW three phase: 75mm thick

Single phase 220V - 240V, 3 phase 380V - 415V, non corrodible lead 1.5m standard, 3, 5, 8, 12m available on most models. Thicknesses exclude hanging brackets, standoffs and baffles. Polaris Popular is designed to operate continuously at temperatures up to 100°C. For solutions containing chromic salts specify PopularCA. Dimensions and details may be subject to alteration at manufacturers discretion without prior notification

The Popular has CE (European) certification, including BS EN ISO 60519/60335

Exchange Service

If for any reason there is a need to replace your Popular heater outside the scope of the warranty, we can offer an immediate exchange service. Details are available on request.

Ancillary Items

The following items are available for use with the Popular heater

Levelmaster:

dual point liquid level controller

Thermaster:

temperature controller

TankmasterMP: dual level and temperature controller

Earth leakage circuit breakers (RCD)

MCBs and contactors

Control Panels

OTP

Protect your plant from catastrophic heater failure. OTP switches off the element if the heater gets too hot.

Factory fitted to order.

HPD

Protect your heater from low level failure with this simple conductive level device built in to the heater.

Factory fitted to order.



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