

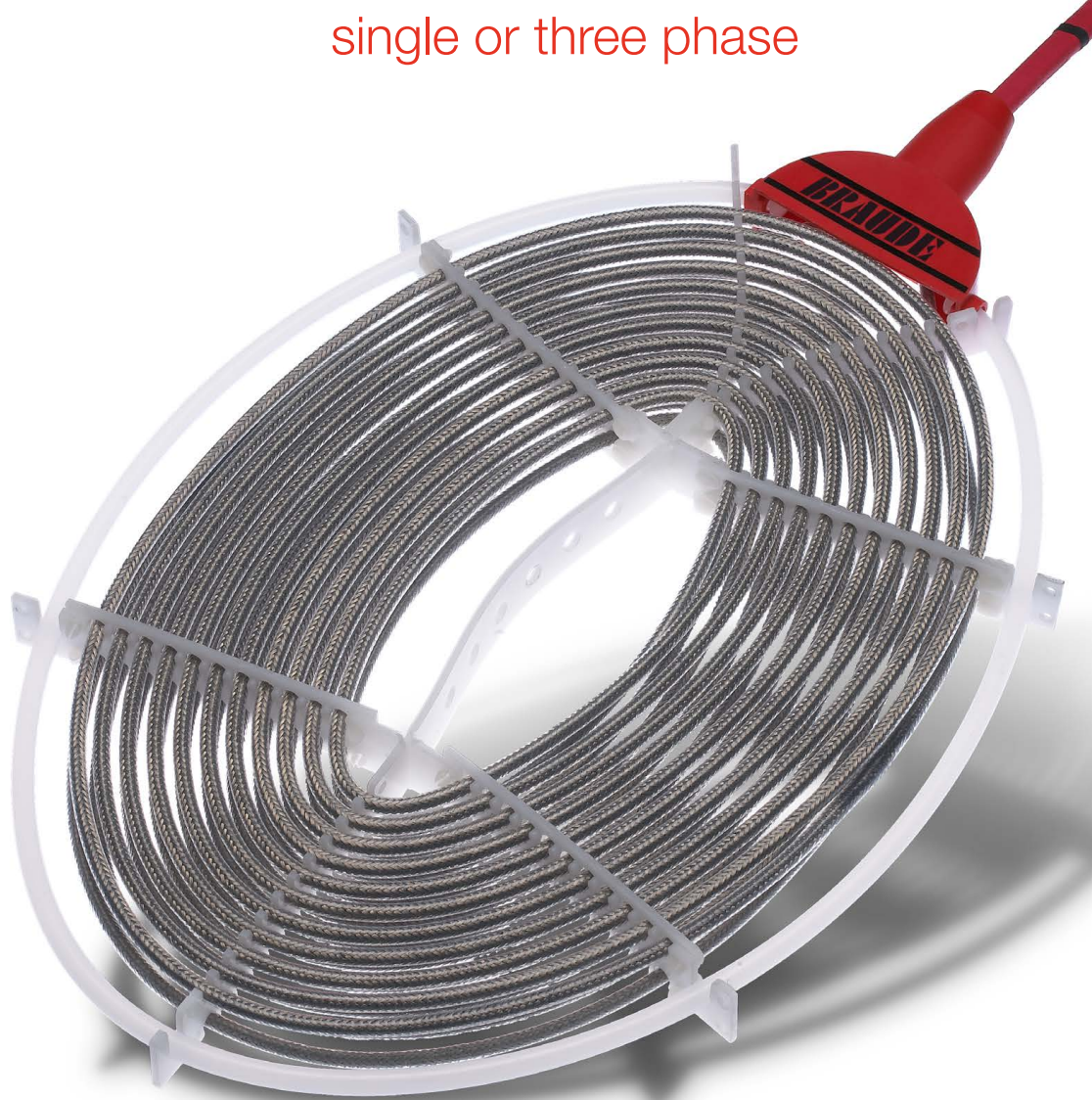
Used worldwide by:

- 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 UL (USA) and 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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