

POLARIS modular

0.5kW to 12kW
single or three phase

Used worldwide by:

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

- Completely non-corrodable
- Resists mechanical damage
- High thermal efficiency
- Unaffected by stray currents
- Maximum safety earthing system
- Fully flexible
- 2m Braudeflex cable
- Low watt density
- Range of power ratings
- Hanging brackets
- Non-stick antifouling
- Space saver
- Exchange service



Non-corrodable electric tank heater

Available with hangers for vertical mounting, or feet for horizontal mounting.

Polaris Modular

Non-corrodable electric tank heater

The Polaris Modular is completely non-corrodable to a wide range of chemical solutions used typically in metal processing and allied applications, using high integrity fluoropolymers for the heating element. Low watt density and robust construction extends the lifetime and versatility of the Polaris Modular in aggressive environments.

Small enough to fit behind anode baskets and in other confined operating areas; the Polaris Modular will cope with all the special requirements experienced by the metal finishing and allied industries. For maximum safety the Polaris Modular has a well proven earthing system in the form of a coaxial element. Polaris Modular is just about the safest heater available anywhere. Standard Braudeflex lead length is 2m, and available up to 8m to order.

Technical Data

Single or three phase. 1.5kW 3 phase same dimensions as 3kW.
For HGS consult suppliers. *Heights given exclude spacers.

Dimensions and details may be subject to alteration at manufacturers discretion without prior notification

power	width mm	vertical		horizontal	
		height* mm	thickness mm	length mm	height* mm
0.5kW	266	80	43	80	43
1kW	266	80	43	80	43
1.5kW	266	120	43	120	43
3kW	266	240	43	240	43
4.5kW	266	240	86	240	86
6kW	266	240	86	240	86
9kW	266	360	86	360	86
12kW	266	480	86	480	86

Operating Temperature Range

Polaris Modular is designed to operate continuously at temperatures up to 100°C. Because of its patent design, liquids are able to flow freely over the heating coils allowing operating temperatures to be achieved quickly and evenly.

Completely Non-corrodable, Minimum Maintenance

Down time and replacement due to corrosion can now be avoided as the Modular is completely non-corrodable.

Moulded from high grade polymers specially selected for their resistance to chemical attack - the Polaris is impervious

to highly corrosive solutions, even when fluoride salts are used to achieve faster plating times.

Easy Installation

The vertically mounted Polaris Modular is suspended from the side of the tank by means of hanging brackets supplied. These are fully adjustable allowing the heater to be fixed at various depths.

Exchange Service

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

Ancillary Items

The following items are available from Braude...

- **Polaris:** non-corrodable electric immersion heaters
- **HPD low level cut out:** completely non-corrodable and fitted to the heater
- **Levelmaster:** dual point liquid level controller
- **Thermaster:** temperature controller
- **Earth leakage circuit breakers (RCD)**
- **MCB's and contactors**

Braude also produce other non-corrodable equipment for the chemical, metal finishing, metal processing and steel industries, UK and worldwide.



Braude can supply other configurations to suit specific tank sizes. Please contact our sales department for advice.



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