

Impervio[®]

POLARIS

**NON CORRODABLE
ELECTRIC TANK HEATER**

**VERTICAL OR
HORIZONTAL**



AVAILABLE IN POWER RATINGS FROM 1/2kW to 12 kW*, SINGLE OR THREE PHASE

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

*12 kW as illustrated

Impervio[®]**POLARIS**
MODULAR**NON CORRODABLE
ELECTRIC TANK HEATER**

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.

POLARIS and **POLARIS HGS** units for high viscosity solutions, for example, Mixtures of Sulphuric, Nitric and Phosphoric are regular products. HPD (Hazard Protection Device) to prevent burn out from 'Power On - Low Solution' situations is available from general production and stocked by most reputable stockists and distributors.

A new type of fully flexible cable developed by BRAUDE (BRAUDEFLEX) is fitted as a standard 2 metres but any length to special order.

For maximum safety the **MODULAR** has a well proven earthing system in the form of a coaxial element. **POLARIS MODULAR** is just about the safest heater available anywhere.

POWER RATINGS, DIMENSIONS

POWER	VERTICAL			HORIZONTAL	
	Width mm	Height* mm	Thickness mm	Length mm	Height* mm
1/2 kW	260	80	43	80	43
1 kW	260	80	43	80	43
1 1/2 kW	260	120	43	120	43
3 kW	260	240	43	240	43
4 1/2 kW	260	240	86	240	86
6 kW	260	240	86	240	86
9 kW	260	360	86	360	86
12 kW	260	480	86	480	86

Single or three phase.

1 1/2 kW 3 phase same dimensions as 3 kW.

For HGS consult suppliers.

*Excludes spacers.

OPERATING TEMPERATURE RANGE

POLARIS MODULAR is designed to operate continuously at temperatures up to 100°C. Because of its new 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**

Costly down time and replacement due to corrosion can now be avoided as the **POLARIS 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 Impervio **POLARIS** 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 varying depths.

EXCHANGE SERVICE

If for any reason there is a need to replace your **IMPERVIO POLARIS** 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 for use with the 'Impervio **POLARIS**' heater.

- Low level cut-out - completely non-corrodable.
- Corrosion resistant safety power plugs and sockets.
- Thermostats, direct operating and indicator types.
- Current operated earth leakage circuit breakers (RCD).
- Miniature Circuit Breakers.
- Single phase and three phase relays recommended for use when a thermostat or other equipment is used.
- 'Imperviox' Cleaning Solution. Special cleaning tanks and brushes.
- Weights for agitated or high density solutions.

12 MONTHS GUARANTEE***BRAUDE****E. Braude (London) Ltd.**

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