

# BRAUDE

## Nautilus

Fluoropolymer heat exchanger



- Operates on: Thermal fluid, steam hot or chilled water
- Suitable for heating or cooling
- Heats Nitric, HCl, HF, Chromic & most corrosive solutions at 100°C
- Non-stick materials discourage fouling
- Simple to install & easy to maintain
- Fully tested materials
- Flexible, easy-fix connections
- Fixed riser option available
- Tough and durable, allows free circulation of fluids
- Large output range available
- Adjustable hanging brackets
- Eliminates stray current corrosion
- Will not contaminate solutions
- Compact design requires minimal space

### Non corrodable tank and vessel heater or cooler

The Nautilus heats or cools vicious acid and chemical solutions and will not corrode. Vertical or horizontal operation with fully flexible connectors.

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## Nautilus

### Non Corrodable Tank Heater & Cooler

**Manufactured from technical and fluoro polymers for optimum chemical resistance to corrosive solutions such as acids and acid mixes. The units are supplied with adjustable hanger sets for vertical installation or weightboxes for horizontal installation.**

#### Used worldwide by:

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

The modular construction of the Nautilus design enables its use in a wide variety of tank shapes and sizes from rectangular to cylindrical and with open or closed tops. The Nautilus is fitted with flexible risers (connections) as standard but fixed (rigid) risers are available if preferred.

The heater can also be fitted with a top plate to suit installation into a closed top tank with a manway.

Riser lengths up to 5m are available as standard but longer can be supplied as an option.

There is a standard set of baffles (shown in the photograph) to provide some protection from the workload. Heavy duty guards can be manufactured to suit.

#### Operating Data

Media	Media Temperature	Pressure
Thermal fluid	up to 200°C	3bar max
Saturated steam	up to 148°C	3bar to 4bar max
Hot water	up to 115°C	3bar max
chilled water	to -15°C	6bar max

#### Power Ratings & Dimensions

Model	Nominal heat output*	Width mm	Height mm	Thickness mm (min - max)
Nautilus 300	5 to 60Kw	480	480	49 - 148
Nautilus 600	20 to 200Kw	820	750	65 - 314
Nautilus 900	20 to 400Kw	1065	1000	65 - 322

\*Dependent on media and tank operating conditions, Braude engineers will calculate the appropriate size of unit based on the tank details.

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



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

#### Other non-corrodable heat exchange equipment available:

- **Jet Stream:** external heating or cooling system
- **ElectroJet:** external electric heater
- **Polaris:** an extensive range of electric immersion heaters
- **Full range of temperature & level controllers, accessories**

Braude produce a wide range of non-corrodable equipment for the chemical, metal finishing, processing and steel industries, UK and worldwide.



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