

BRAUDE

Nautilus

- 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 & 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 connections.

BRAUDE

Nautilus

Tank Heater or 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.

Operating Data

Media	media temperature	pressure
Thermal Fluid	up to 200°C	3bar max.
Saturated Steam	up to 148°C	3-4bar max.
Hot Water	up to 115°C	3bar max.
Chilled water	to -15°C	6bar max.

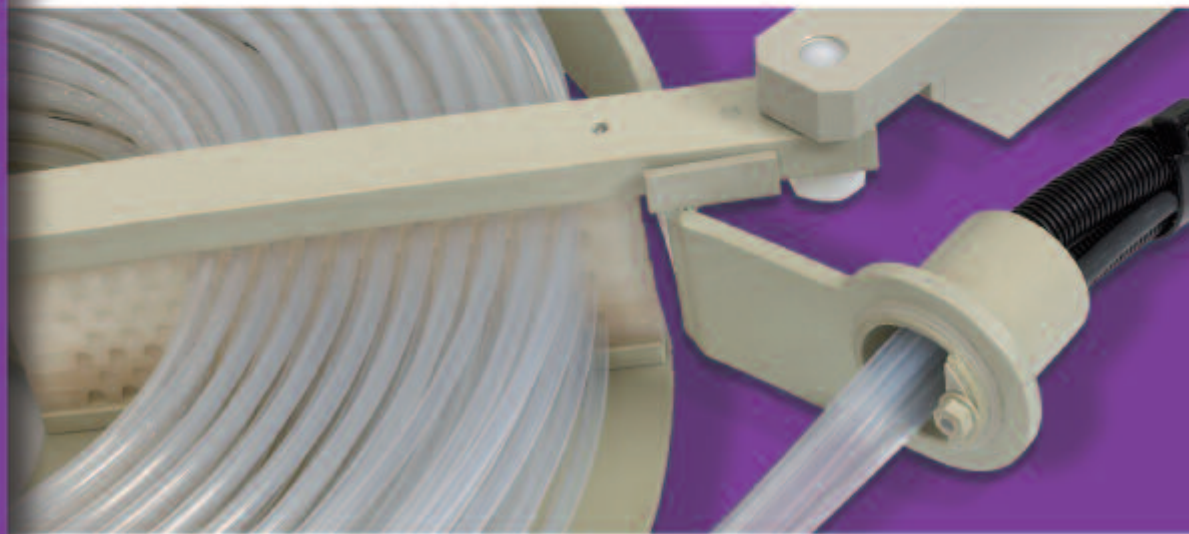
Power ratings & dimensions

Model	nominal heat output*	w mm	h mm	thickness mm min - max
Nautilus 300	5 - 60 Kw	480	480	49 - 148
Nautilus 600	20 - 200 Kw	820	750	65 - 314
Nautilus 900	20 - 400 Kw	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.



Used worldwide by:

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

Braude are specialists in the heating of pre-treatment pickling and etching solutions and can supply a full range of steam and temperature control equipment...

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.

Risers 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.

Other non-corrodable heat exchange equipment available:

- Jet Stream External Heating or cooling system
- ElectroJet External Electric Heater
- Polaris range of electric immersion heaters
- Full range of temperature and level controllers and accessories.



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