NAUTILUS HEAT EXCHANGER

Description

Non corrodible fluoropolymer tank heater or cooler

An internal tank heat exchanger manufactured from fully tested high performance fluoropolymer PTFE-based materials making it ideal for use with nitric, hydrochloric and chromic acids - indeed most known corrosive solutions - up to 100°C.

The Nautilus is supplied with flexible risers and can be used either horizontally or vertically in the process tank.

Output up to 400kW

Key features

- Reduce process downtime improving efficiency
- Will not corrode in aggressive acids or chemical solutions
- Suitable for heating or cooling
- Simple to install and easy to maintain
- Flexible easy fit connections
- Large output range

Used By

- Steel Strip Manufacturers
- Wire & Tube Manufacturers
- Metal Finishers
- Chemical Plants
- Galvanising Industry
- Aerospace Industry
- Chemical Millers
- Glass Producers

Nautilus units are of a modular construction which enables the basic unit capacity to be increased by the fitment of further elements. Heating units can also be 'linked' if really high outputs are required. Operation is normally with saturated steam, hot water or thermal fluid for heating and chilled water for cooling.

The units can be supplied with adjustable hangers for vertical mounting or weightboxes for horizontal mounting.

BRAUDE Products will not corrode

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Technical specification

Surface Area	Model	Nominal Heat Output	Nominal Dimensions (mm) Risers Lengths up to 5m		
m^2		kW	Height	Width	Thickness
0.5 - 3.0	300	5 to 60	480	480	49 - 148
1.0 - 10.0	600	20 to 200	750	820	65 - 314
2.0 - 20.0	900	40 to 400	1065	1000	65 - 322

Heat exchange medium	Maximum Pressure	Maximum Temperature
Steam	3.4 Bar (50 psig)	148°C
Hot Water	3.0 Bar (45 psig)	115°C
Coolant (e.g. Chilled Water)	6.8 Bar (100 psig)	20°C
Thermal Fluid	3.0 Bar (45 psig)	200°C