



# Preheater TS Start

The ultimate preheating green system. No risk of breakdown. Up to **40% energy savings**.

## Applications

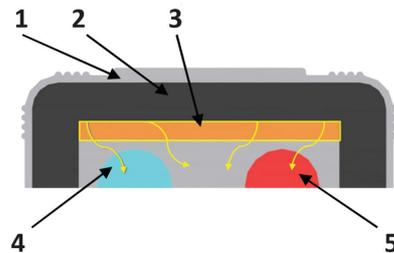
Generators sets, diesel engines, safety, marine, heavy equipment...

## New patented technology

No direct contact between the fluid and the heating elements. Temperature 30-45°C, standard (optional on request). Entry and exit water 5/8" - 15 mm.

The power decreases proportionally and automatically, following the rise in engine temperature to reach the ideal power minimum temperature maintenance. Power is dissipated as a function of temperature, room, temperature and fluid flow. Simple to install in horizontal or vertical position.

- No boiling, causes no degradation of the coolant
- Enhanced electrical insulation
- Insensitive to vibration

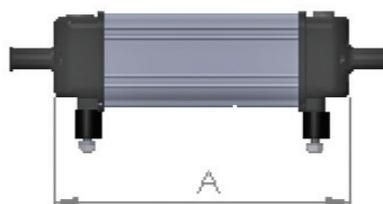
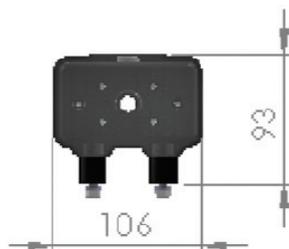


Cross-section view :

1. Aluminum cover
2. Insulation
3. Heating elements
4. Fluid input
5. Fluid output

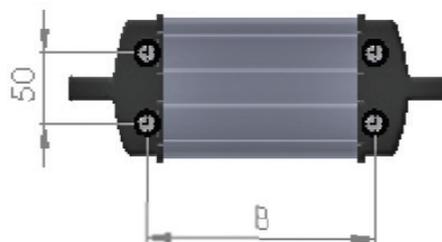
*All the components are certified CE, UL and CSA*





**500 - 1,000 Watts**  
A: 210 mm. B: 161 mm

**1,500 - 2,000 Watts**  
A: 261 mm. B: 213 mm



Model	Power	Voltage	Frequency	Weight
TS 500	500 Watts	220-240 Volts (*)	50/60 Hz	2.4 kg
TS 1000	1,000 Watts	220-240 Volts (*)	50/60 Hz	2.4 kg
TS 1500	1,500 Watts	220-240 Volts (*)	50/60 Hz	3.1 kg
TS 2000	2,000 Watts	220-240 Volts (*)	50/60 Hz	3.1 kg

(\*) Option: 110 Volts

### Specifications

Aluminum heater body and aluminum protection cap increasing efficiency. Power cable HO7RNF (Industrial Quality) with molded waterproof plug.

- Automatic reset safety thermostat 105°C
- Breaking capacity 16 A 100,000 cycles.
- Fixed set point thermostat

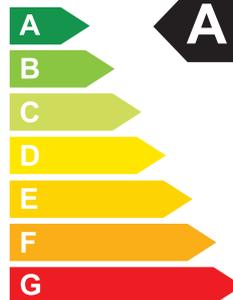
### Accessories

- 4 anti-vibration pads - M6
- 2 fixing brackets with screws – M8 (Screws, nuts, washers)

Demp A/S reserves the right to modify the technical specifications contained in this document without notice. No contractual document.

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Energy class



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