



## POWERHEAT – New style preheater

The POWERHEAT preheater for (diesel) engines is a compact, electrically operated circulation heater. The robust and high quality system uses a new and innovative heating technique. The compact and solid system with large aluminum heating surface offers high shock resistance and prolongs the life of both the engine and liquids. The POWERHEAT preheater is designed for use in a wide range of applications, such as powergen, marine, industry, railroad, automotive, on- and offshore, on- and offhighway, etc.



## Technique

The POWERHEAT heating elements are embedded in a die-cast solid aluminum housing with Teflon coating. The aluminum housing avoids direct contact between the heating elements and liquids, and provides a large heating surface. This large heating surface results in a higher heat exchange and less “external” heat loss compared to conventional preheaters. In addition, the Teflon coating prevents erosion of the coolant on the aluminum.

## Sustainability

The compact and robust system ensures high shock resistance. Also, since the heating elements are enclosed in aluminum, there is no risk of burning of the elements. In addition, because there is no direct contact between the fluid and elements, liquids age less quickly and the system is corrosion-free. This is beneficial for the life of both the liquids and the engine.



## Benefits

- Compact system with large aluminum heating surface
- No direct contact between heating elements and liquid, so no risk of burning of the heating elements and no corrosion
- The Teflon coating prevents erosion of the coolant on the aluminum
- Prolongs the life of both the engine and liquids
- High shock resistance due to solid housing

## About PowerHeat BV

PowerHeat BV was founded in response to market demand for specialized (engine) preheating. We supply heating solutions for diesel, fuel, coolant, oils, other liquids, batteries, cabins, and more. All systems improve engine starting, reduce engine wear, lower fuel consumption, prolong battery life, and decrease environmental damage. Next to POWERHEAT we deliver (pre)heating products from all the leading brands: Phillips & Temro (Carlor and Zerostart), Calix, Hotstart and Hilzinger.

