

BABY-O ENGINE PREHEATER

Compact and Reliable BABY-O Engine Preheater Is Ideal For Extreme Conditions

Watlow's BABY-O engine preheater was designed to withstand environmental extremes ranging from hot engine temperatures to frigid conditions to shock and vibration associated with today's engine generator sets. Constructed of heavy gauge steel, the BABY-O uses hermetically sealed joints to eliminate leaks commonly associated with preheaters using O-ring seals.

These units are 100 percent welded and the internal design features prevent early heater element failure due to low liquid levels and vapor pockets. Similar to all Watlow diesel engine heaters, BABY-O preheaters are designed to perform in the rigorous, high-vibration environment associated with diesel engines. The BABY-O ensures warm start-up in engines used in stand-by generator sets resulting in a reduction of engine wear, assistance to the engine in getting up to speed quicker and a reduction in pollution emissions.

Because of its design, the BABY-O's reliability and efficiency ensure the unit will not rupture or leak regardless of a kinked hose or low level engine coolant. The design of the BABY-O's cooler operating heater element and safety vapor pocket reduces the potential for boiling of engine coolant, and zoned elements prevent failures due to vapor locks or air pockets in the upper portion of the preheater assembly. Boasting a compact size, allowing for it to be mounted in tight or limited spaces, BABY-O customers can specify custom-designed wattages, voltages, mounting schemes, power connections and tank design.

Applications

- Engine gen sets

Specifications

- Operating pressure up to 150 psi
- 500-2000 Watts
- Fits 150-500 CI engines
- Thermostat temperature range 29 to 38°C (85 to 100°F)



Features and Benefits

Hermetic seal created by welded joints

- Creates "no leak joints"

All steel construction withstands extreme temperatures

- Eliminates issues associated with high temperatures that are commonly associated with plastic tanks
- Design withstands all shock, drops and vibration, especially in frigid subzero temperatures and in extreme heat conditions, in which temperatures on the unit may reach 204°C (400°F) or higher

Operating pressure 150 psi

- Continues to operate in case of kinked hose or lack of coolant due to sludge build-up

Cooler operating tubular heater design plus safety vapor pocket at outlet

- Reduces potential for boiling of engine coolant, prolonging the life of the coolant and heater

Zoned elements

- Prevents failures due to vapor locks or air pockets in the upper portion of the heater assembly

Engineered solutions and application assistance from Watlow

- Custom designed wattages, voltages, mounting schemes, power connections and tank design

Insulation jacket available

- Provides "X" amount of energy savings per year on stand-by generators

Pre-wired heater and thermostat

- Four-foot power cord for "plug and go"

Compact size

- Allows for mounting in a limited space



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