

Intake Air Pre-Heating



Technical Data and Features

- Voltage range: 12V / 24V
- Power range: up to 7 kW
- Customer-specific development with or without electronics.
- Pre-heating the intake air to optimize cold start behavior
- Enables starting at considerable altitudes (with low air-oxygen content)
- Infinitely variable, dependent on the operating state
- Short pre-heating time from 3 sec.
- Vibration stable, highly reliable
- Contributes to emission reduction via activation during the warm-up phase
- Option: modular control box (kit) available from DBK

The safe and quick start of the diesel motor (even possible at arctic temperatures and high altitudes) is dependent on warming the intake air. A positive side-effect of this process is reduced exhaust gases and noise during the start and warm-up phases.

In contrast to a flame-starting system, the heat flange consists of only a single component. This makes a considerable contribution to reducing the overall costs of the system.

One particular version that includes a "heating flange with electronics," enables us to cater to specific customer requirements, such as adaptation to control pulses.

The electrical heating output is transmitted to the ambient or through-flowing air via a heating coil. The heating coil consists of highly corrosion-resistant flat wires.

Special forms of the heating coil add to its vibration resistance, thus guaranteeing play-free expansion during temperature increase.