

High Altitude Diesel Appliance Information

The following is a summary of information about Dieselheat cookers, water heaters and air heaters in relation to their performance at higher altitudes.

Water Heaters

EPERSPACHER D4WSC

Up to 1500 meters (4920') - unrestricted heating operation is possible.

Above 1500 meters (4920') - heating operation is in principle possible for short periods, e.g. when crossing a mountain pass or during a brief stop. In cases of extended stays, the fuel supply at the fuel metering pump has to be adapted to high altitude conditions.

The following high altitude kits are available:

P/N: 24 0221 00 00 00 (Contains high altitude fuel pump)

or

P/N: 20 2900 70 00 07 (Contains high altitude compensator, no extra fuel pump needed)

or

P/N: 22 1000 33 22 00 (Only works with Hydronic Heaters that have "H-Kit" on the factory label)

Belief 5kw Water Furnace

Not suitable for high altitude use.

Air Heaters

EPERSPACHER D2 Air heater

Heating at high altitudes

When using the heater at high altitudes, please note:

- Heating at altitudes up to 1500 m, unlimited heating possible
- Heating at altitudes over 1500 m – 4000 m Heating is possible for short periods at this altitude (e.g. driving over a mountain pass or taking a break in a journey).

During longer stays, e.g. winter camping, the fuel supply must be adjusted to the altitude. This can be done by installing an air pressure sensor. The air pressure sensor is included in the Altitude kit Eberspacher High Altitude kit for air & water heaters

- Genuine Eberspacher high altitude kit
- Suitable for 12 or 24 volt installations

Belief Air Heaters

[This information is being clarified]

When heater need to be used on 4000 meters altitude, it need to turn on the oxygenation mode first ,then it can be used as normal. Please look at the below:

Air conditioner oxygenation mode

Air conditioning and ventilation indicator light is illuminated at the same time. Press the air conditioner mode button to turn off the heater. Press the ventilation button, the ventilation lights out, return to air conditioning mode.

Constant power oxygenation mode

Warm and ventilation indicator lamp lit up at the same time. Press the warm mode button to turn off the heater. Press the ventilation button, the ventilation lights out, return to warm mode.

Cooktops

Wallas XC Duo Diesel Cooktop/heater

Switch for high altitudes. Switched on when the device is used more than 1300 meters (4200 feet) above sea level. This function increases the amount of combustion air in thin air.

The high altitude mode is turned on by pressing the heating switch (3) for 10 seconds , when you start the unit. Pressing the heating switch for 2 seconds while the stove is running will shut the stove off. As a sign of the switch being on, the yellow heating indicator light will flash 3 times. Once started in high altitude mode the device will operate well up to an altitude of 3100 meters (10 000 feet).