

Getting the most out of your heating system



Check
the Control
panel

Upgrade
with smart
accessories

How to
optimise the
circulation

Why you
should replace
glycol



Antifreeze – more than just frost protection

You may already be aware that Alde Heating is a hydronic systems. This means that a heating fluid is heated up in the boiler and then circulated through pipework, which provides heat via emitters like convectors, towel radiators, etc.

The heating fluid contains an antifreeze that also protects against corrosion and bacterial growth, but these qualities deplete over time.

Alde Premium G13 Antifreeze is magenta in colour and should be replaced every 5 years. If your fluid is a different colour, change it after 2 years.

Purpose of antifreeze:

- To facilitate the circulation and provide a pleasant and balanced heating system.
- Anti-freezing.
- Corrosion protection. Inhibitors form a protective coating inside the system.
- Prevents bacterial growth.

What type of antifreeze should i choose?

- Only use Alde approved antifreeze products.
- Concentrated antifreeze should be mixed 50:50 with deionised water, but most products these days are pre-mixed/ready to use.

By maintaining your heating fluid, you know that your system contains the right mix of antifreeze and water. That the risk of frost and corrosion damage and bacterial growth has been minimised. Equip your Alde Heating system with the best conditions for stable and pleasant heating.



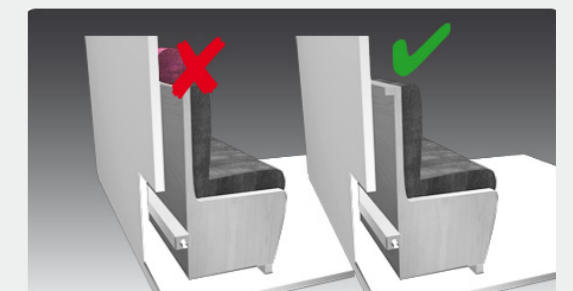
ALDE PREMIUM ANTIFREEZE G13

With a five-year lifetime

Our ready-mixed antifreeze is specially formulated for Alde Heating systems and can be used at temperatures right down to -37 °C. This environmentally friendly glycol has many advantages. In addition to providing frost protection and a long-lasting protective coating against corrosion, it lubricates circulation pumps and helps to prevent bacterial growth.

If you use Alde Premium Antifreeze G13, the replacement interval is every 5 years under normal operating conditions.

Get the most out of your heating system



- Avoid placing newspapers, drying wet clothes, etc. on the grille above the convector.
- Thick carpets or carpets laid up against the air intakes on the furniture will prevent supply air getting to the convectors.

- Don't fill the upper cabinets in such a way that hinders air circulation. Condensation may form in the cabinets if there is poor or no circulation.
- When camping in winter, your pillows might even freeze to the outer wall.

- Try not to place pillows, duvets and suchlike on top of the circulation openings.
- If circulation is prevented, the warm air barrier will disappear and you'll get cold draughts from the windows.



- This is how it should be when the hot air from the convectors flows up behind the sofa and upper cabinets.

Make the most of the heating system by making sure that the heat can circulate freely in your motorhome or caravan. Here are a few tips to help the heat circulate and make your living area even cosier.

- When camping in winter, remember to make sure the flue on the roof is clear of snow.
- Fitting a flue extension which raises the flue cap by 20 cm is a good solution.

If you are a winter camper and do not want freshwater in the vehicle, you can still run the heating system.

Smart accessories

Alde Flow Extra hot water



Alde Flow is the long hair-washer and teenager's best friend. This smart comfort solution will give you hot water for as long as your fresh water supply lasts, via a special module connected to the Alde heating system. Alde Flow preheats the incoming water before it reaches the boiler's own hot water cylinder.

- Extra hot water heat which produces 3.5 litres of continuous hot water/minute (40 °C).
- Compact solution directly connected to the boiler.
- Easily controlled via the Alde Control panel.

Heat Exchanger

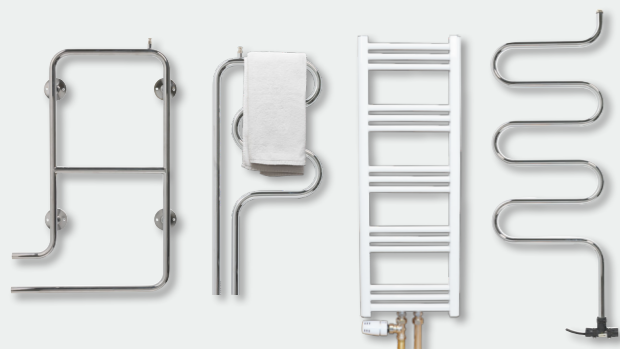
You can use your engine's cooling system to heat the living area using a heat exchanger in combination with Alde's hydronic central heating system. This will also give you hot water, which is heated by the motorhome's engine as well.

For winter campers, the heat flow can also be reversed using a circulation pump on the engine side. The heat exchanger will then act as an engine block heater, as the heating system will heat the engine's cooling system.

- Preheats the vehicle's living space while driving.
- Can be used as an engine heater in combination with a circulation pump on the engine side.
- Easily controlled via the control panel.
- Heats hot water for shower and hand washing while traveling.
- Environmentally friendly thanks to the use of excess heat and preheating of the engine block.
- Fewer cold starts prolong the life of the motor-home engine.



Towel Heating



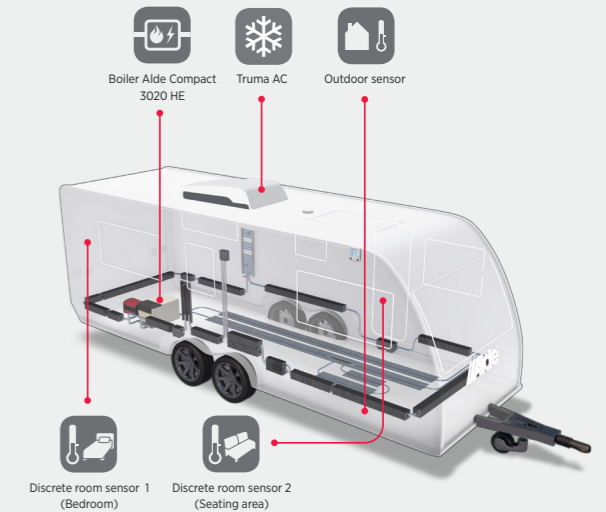
Our heated towel rails and towel radiators are available in many different sizes, with chrome and white finishes. Surely something for every toilet/wash area. They connect to the Alde heating system as normal, and some of our high heat output towel radiators also have thermostatic control. Enjoy delightfully warm towels and faster drying.

- High heat output.
- Faster drying in the toilet/wash area.
- Available in a variety of formats and designs.
- Connects to Alde's proprietary heating system.

Automatic Climate Control

By supplementing your Alde Heating System with air conditioning from Truma, you get the complete climate system, which senses indoor and outdoor temperatures and adjusts fan speeds and temperature to the ideal level. You never have to worry about turning the AC on or off again - everything is taken care of automatically.

- Enter the desired temperature on the control panel.
- You can select a specific temperature for Normal Mode, Night Mode and an additional mode for day if needed.
- The boiler and the AC then balance heating and cooling. The boiler and the AC never work against each other, avoiding rapid, unwanted changes of heat and cold.
- The AC adjusts the fan speed to the cooling demand, depending on the outdoor temperature.



Heating mat for the driver's compartment

Motorhome cabin floors are often cold in the late autumn and winter. The Alde Heating Mat will ensure both you and your passengers stay warm and cosy. The mat is connected to the ordinary heating system using a quick-release coupling, which makes it easy to fit and remove as the season demands. It is available in various models and formats to suit your motorhome. (Left-hand drive vehicles only).

- Gives you cosy heat in the cab while you travel.
- Durable materials suitable for professional use.
- Available in various formats and designs to suit different vehicle models.
- Connected to the heating system via a quick-release coupling.



Load Monitor and Battery Backup

Alde Load Monitor

Automatically reduces the output of the electric element in the boiler in stages if the load is too high. This will prevent the fuse from tripping when other high power electrical devices such as kettles and hair dryers are in use.

Alde Battery Backup

Make sure the settings on the control panel are stored in the memory when the vehicle's main power switch is switched off.



Quick guide for Alde Touchpanel 3020 HE

The control panel is divided into three menu categories:

Standby Screen. The time, internal and external temperature, and what is connected to the Alde Compact 3020 HE are shown here.

Main Menu. This is where all basic settings are defined for heating, such as the required temperature, extra hot water and your choice of power; gas or electricity, or perhaps both.

Settings Menu. You can adjust and activate lots of additional functions for your Alde Compact 3020 HE here, giving you a top quality heating system. Find out more about this on the next page.

Day mode

The symbol is displayed when the function is on and turns green when activated.

Automatic start of the boiler

The symbol is displayed when the function is activated.

Circulation pump

Shows when the circulation pump is in operation.

Indoor temperature

Shows the indoor temperature.

Outdoor temperature

Shows the outdoor temperature (if sensor is installed).

Clock

Shows day and time.

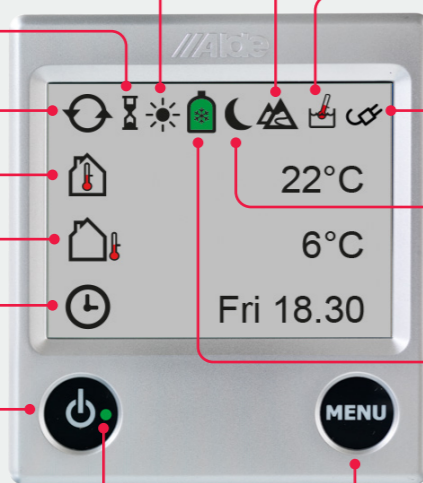
On/Off button

Main switch for boiler.

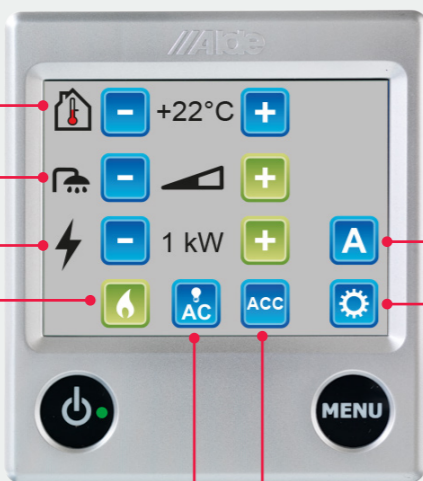
Green LED

Indicates that the panel/boiler is on. If it changes to red it indicates that there is an error message.

Standby Screen



Main Menu



Setting indoor temperature required
The temperature can be set from +5 °C to +30 °C in intervals of 0.5 °C.

Hot water

Three different settings. No hot water, normal operation and hot water boost. On hot water boost the boiler temporarily raises the water temperature from 50 °C to 65 °C. The boiler returns to normal operation after 30 minutes.

Heating with 230 V electrical heating cartridge

Three output selections: 1, 2 or 3 kW. The higher the output you select the faster the heating.

Heating with LPG

The boiler works on the LPG burner. The output is controlled automatically according to heating requirement.

AC lighting

Turn AC lighting off and on.

*** Complete automatic climate control system (ACC)

If you have a Truma Aventa Comfort installed and connected to the panel, then the AC button is visible and it is possible to control AC from the panel. This function makes it possible to have a fully automated climate control for both heating, cooling and hot water.

High altitude mode

The symbol flashes if the high altitude mode is activated.

The symbol flashes during heat up of *Alde Flow when set in more hot water mode.

230 V

Shows when 230 V is connected to the boiler.

Night mode

The symbol is displayed when the function is on and turns green when activated.

** LPG bottle full/empty

The symbol is displayed when the sensor on DuoControl is connected and activated. If EisEX is installed a snowflake is shown inside the gas bottle.

Green bottle = Bottle full
Red bottle = Bottle empty

MENU button

Button to activate the settings menu.

Activated functions

Shows the various functions which have been activated. This also provides a shortcut, allowing you to go directly to the relevant activated function so that you can define new settings or disable it.

Tools menu

It is possible to proceed from the settings menu to the tools menu with the control panel's other functions.

Settings Menu



Settings 1



Night mode

Save gas and electric while you sleep by lowering the temperature and shutting off the hot water.



Day mode

This function is used to automatically change certain functions, e.g. if you are away for a while during the day.



Priority setting

Select what type of energy – gas or electricity – is to be prioritised.



Brightness

Adjust the brightness in the display in working mode in three steps and backlighting in stand-by mode can be set in three different modes, for example, dark if you want to completely turn off the display's backlighting at night.



Settings, room sensors ***

If multiple room sensors are installed, you can choose which sensor is to be active, e.g. the living quarters, the sleeping quarters or the panel.



Clock

The clock shows the day and time, and has to be set if you want to use the automatic temperature change or automatic start function.

Settings 2



EisEX, 12 V defroster ***

Activates a heating element which prevents ice forming in the regulator in winter.



Overload protection ***

Prevents overloading the 230 V fuses. If the total current consumption exceeds a set value, the boiler output is reduced automatically.



Booster ***

Controls the speed and fan start/stop in the heat booster.



Pump, underfloor heating ***

The underfloor heating pump is operational at the same time as the heating system's main pump starts.



Pump, engine heating ***

Activates the circulation pump on the engine circuit for the camper van. The heating system then operates as an engine heater and heats up the coolant in the engine via a heat exchanger.



Settings 3



Antibacterial Mode (legionella)

The boiler starts at 02:00 daily and operates at maximum temperature for 30 minutes to reduce the risk of legionella.



Offset

If the temperature that is displayed in the panel does not correspond to the actual temperature, it can be adjusted by ±5 °C in the panel. Applies also to display of external temperature.



High altitude mode

The function should only be used if the boiler will be powered by LPG at a height above 1000 m above sea level.



Sound

Audible signals in various situations, e.g. button sound, hot water temperature and gas Failure.



Automatic start

For automatic starting of the boiler at a selected time on a selected day.



Pump settings

Selection of circulation pump and operating mode which can be set for constant operation or controlled thermostatically.

Settings 4



Reset

Resetting the system to factory settings.



External start *

Used when starting the boiler externally, e.g. using GSM** or 230 V.



Language

Used to switch the display to different languages (English, French and German).



Activation of installed functions

The first time you use the heating system, check that the right accessories/functions are activated. This also applies when you supplement the heating system with accessories/functions.

NB.

* The symbol for the function is displayed in the control panel only when an optional card is installed.

** The product must be installed and activated for this function to be available.

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Winter advice

Is mains electric power sufficient to heat my vehicle during the winter?

During the winter or when it is really cold outside, it is usually not enough to just heat the vehicle with electricity. You will need to support with gas heating as a complement to the heat from the electric elements.

If the temperature is above single figures, you can probably rely on electric heating alone but it depends on the vehicle insulation, size, system dimensioning, which differs from vehicle to vehicle.

To get the temperature up as quickly as possible in a cooled vehicle, we recommend running the boiler on combined gas and electricity if possible. The energy power from the immersion heaters is up to 3 kW while the LPG power is as much as 5.5 kW, which together gives an output corresponding to 8.5 kW.

In winter, can I use my central heating even though the fresh water is drained down?

Yes, operate the Alde system normally. No harm will result as there are no electric heating elements in the hot water cylinder.



What should I keep in mind when storing my vehicle in winter?

First of all, drain the fresh water from the water heater via the drain valve at the boiler. If you are unsure how to do this, read the operating instructions for the boiler. Check that all the fresh water has been drained. Do not forget to also open the fresh water taps.

Also check that you have enough frost protection in the antifreeze in the heating system so that it can withstand the temperature at which the vehicle is to be stored for the winter.

Advice for the spring and summer season



What should I keep in mind when preparing my vehicle for spring and summer season?

You should check two things when your vehicle has been stationary for a long time:

1. Glycol. Check the glycol in the heating system - the right amount and the right quality. Our own specially adapted Alde Premium Glycol G13 gives your heating system the best conditions with caring and protective effect on the system.
2. Gasol. Also check the LPG system and LPG consumers, and feel free to take a look at the LPG filter as well.

Does the heating system itself need to be overhauled before I hit the roads?

Normally, you do not need to do anything about the heating system if it worked properly when you put the vehicle away for the winter. Start the boiler as usual and warm up the system. Do not forget to close the drain valve.

We also recommend that you test the fresh water. Make sure that the water is heated and that the mixers work as they should.

Check out our website for more questions and answers!