

# Alde Heat Exchanger



## Increase the comfort – save energy and protect our environment

**When driving a motorhome it is normally only the driving compartment that is gets heat from the engine. But with Alde Heat Exchanger in combination with Alde Hydronic heating system, you can use the engine's cooling system for heating up the living space as well. Alde Heat Exchanger takes heat from the engine's cooling system and distributes it to the living space and to the passengers traveling there. In addition you get hot water, also heated by the car engine.**

### **More comfort and also good for the environment**

Alde Heat exchanger can also be operated in the reverse direction using a circulation pump on the engine side. The heat exchanger then functions as an engine heater by heating up the engine's cooling system. With a warm engine, you heat up the driver compartment quickly which is extra nice if you are a winter camper or go driving cold mornings and evenings.

In addition to extra comfort with the heat exchanger, you also protect the environment by avoiding cold starts with large exhaust emissions. And you save fuel when you start a warmer engine. By avoiding cold starts, you also reduce the strain on the engine, which prolongs the life over time.



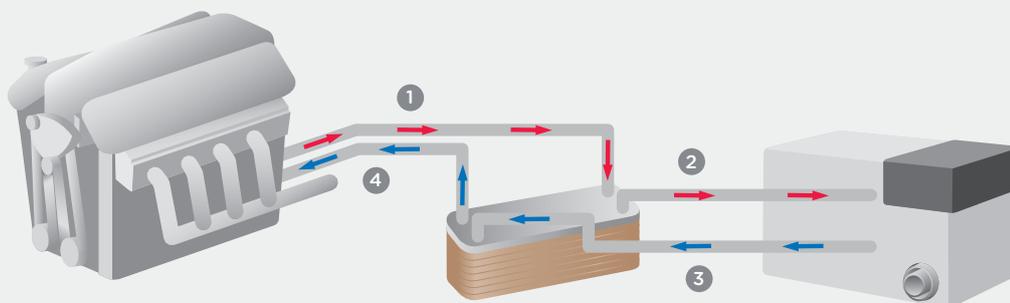
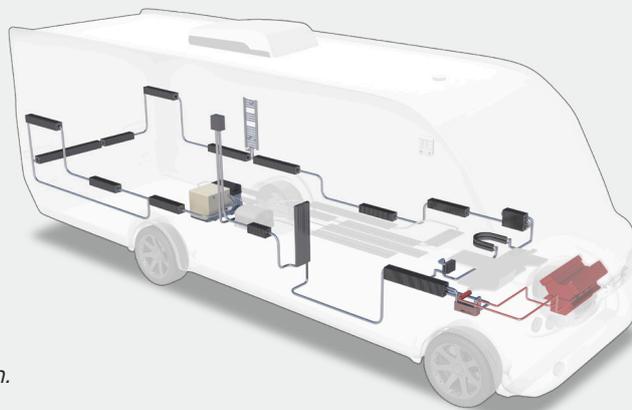
## Alde Heat Exchanger

With a heat exchanger in combination with a Alde Hydronic heating system, the engine's cooling system can be used to heat the living space. All you need to do is set the desired temperature and start the circulation pump in the Alde Control panel.

The heat can also be run in reverse order together with a circulation pump on the engine side. It then functions as an engine block heater thanks to the Alde heating system heats the engine's cooling system.

### This is how it works

1. Hot cooling water from the motorhome's engine is led into the heat exchanger.
2. In the heat exchanger, the hot cooling water from the engine heats the water in the circulating heating system.
3. The water in the heating system circulates and is heated continuously through the heat exchanger as long as the motorhome's engine is running.
4. The cooled coolant is led back and then cools the engine again.



### ADVANTAGES WITH ALDE HEAT EXCHANGER

- 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
- 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 motorhome engine
- Connects to Alde Heating System and is easily controlled via the control panel

### How to get an Alde Heat Exchanger installed in your vehicle

- For retrofitting to your existing Alde Heating System, contact your nearest Alde Dealer or Alde Service Center. Contact information can be found on our website.
- As an accessory when buying a new motorhome, talk to your motorhome dealer