

Air/Water Heat Exchangers: Special Versions

The air/water heat exchangers listed on this page were developed especially for applications in the car industry. Pfannenber adapted the products to comply with the special requirements dictated by the harsh conditions sometimes encountered there.



PWD 5412 and PWD 5312

These top-mounted units were designed to cope with special conditions arising from the addition of substances to the cooling water.

- All components that get in contact with the cooling water, such as heat exchanger and pipes are made of stainless steel (V₄A). This allows these two models to be used in conjunction with strongly polluted or extremely salty water. This situation may arise if river water is mixed with the cooling water. Saltwater has the chemical property of extracting the copper from normal pipes, causing leaks in the water system sometimes after only a few months of operation.
- These units are fitted with an integrated thermostat connected directly to the exterior by means of a plug. This allows you to set up an electrically controlled valve.
We suggest to use ball valves to minimize the contamination hazard.
- The installation cutout is almost identical with the cutout for standard models the PWD 5402 and PWD 5302. However, the installation height of model PWD 5412 is 86 mm higher than the standard units, and model PWD 5312 is 64 mm higher.



PWS 7612, PWS 7412, PWS 7312 and PWS 7012

These air/water heat exchangers were developed for standard applications in the car industry.

- With integrated thermostat, set at +35 °C (adjustable from +25 °C to +45 °C).
- With integrated solenoid valve.
This helps to maintain the temperature inside the enclosure at the preset level. The cooling water only flows through the heat exchanger if the temperature inside the enclosure rises above the preset value.
- The unit is connected to the mains using a rubber connector. The relevant socket is located at the bottom adjacent to the water connection point.
The plug and 3 m power cord are included in the scope of supply.
- The units are fitted in place using 6 mm threaded bolts in 8 mm Ø predrilled holes located on the rear panel.
Simply detach the front panel to mount the units from the outside.