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Technical Bulletin

Installation: Bosch CS2000AWF frost protection

PROTECTING HEAT PUMPS FROM FREEZING

The CS2000AWF heat pump has a built in frost protection logic that starts the circulating pump at 3°C outdoor temperature when the heat pump has a power supply. We do advise however, additional methods to protect the unit from freezing in the event of a power supply failure.

Methods recommended:

1, Antifreeze valves can be fitted as per the manufacturer's installation instructions.

2, Antifreeze fluid, glycol, which, depending on its concentration in the water, can lower the freezing temperature. A generic system can use ethylene glycol or propylene glycol (category III according to EN1717, with inhibitors)

Follow the manufacturer's installation manual for further guidance.

These methods are advised in systems where there is likely to be power outages or are at high risk of freezing at low temperatures. Should you wish to not use any additional frost protection other than that which is built into the heatpump logic, there is a risk of damage to the heat pump.

If heat pump is damaged due to frost, as a result of not installing the additional frost protection, Bosch cannot be held responsible and the warranty may be void for the corresponding damage occurred.

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