

evoAFS

advanced antifreeze
system for monoblock
heat pumps



Why should you choose evoAFS system?



antifreeze protection

automatic activation of the bypass/
circulation pump in case of critical
water temperature (below 4°C)



summer mode & anti-blockage

daily pump activation to prevent
rotor seizure



self-diagnosis

detection of alarm conditions such as
overloads, sensor failures, or battery
discharge



internet compatibility

full control and monitoring of
operating parameters via the
evoNET Cloud platform and mobile
applications



energy efficiency

operation adjustment based on
external temperature, ensuring
extended operating time in
emergency mode



about the AFS system

evoAFS is a modern antifreeze protection system designed specifically for monoblock heat pumps. It guarantees the safety of the system, even in the event of a power outage, failure, or flow errors.



evoAFS system

- up to 48 hours of operation on battery power
- quiet operation - bypass pump noise level below 35 dB
- easy installation - compact module dimensions (248 x 196 x 96 mm) and universal mounting kit
- user safety – complies with the WEEE Directive 2012/19/EU and component recycling

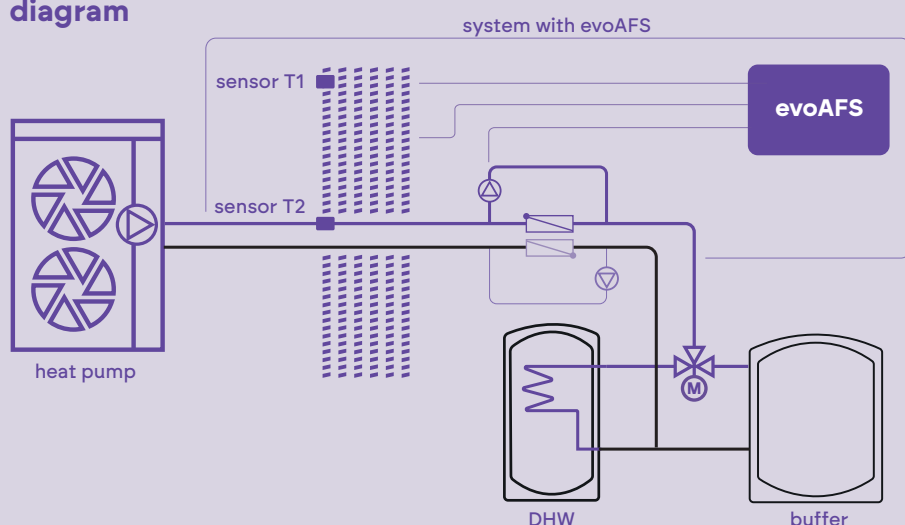
modern online service

Thanks to integration with the xCLOUD module, evoAFS offers remote monitoring and configuration through the evoNET Cloud app, available for Android and iOS systems.

trust a proven solution

evoAFS is not just antifreeze protection; it also guarantees peace of mind and safety for heat pump systems. Ideal for HVAC installers and heat pump owners.

hydraulic diagram



When designing the hydraulic system, we must ensure the possibility of flow regardless of the position of the zone valve in the event of a power outage. Therefore, in systems with a buffer connected in series or without it, we can ensure heat extraction, for example, from short underfloor heating loops controlled by a valve actuator, or create a bypass to the DHW tank with a normally open solenoid valve, which will open after a power failure.

technical data

- operating temperature range: from -20°C to +60°C
- battery capacity: 18 Ah
- maximum bypass pump flow: 800 l/h
- maximum head height: 5 m

complete set includes

- controller, battery, power supply
- circulation/ bypass pump with mounting kit
- two CT10 temperature sensors, 3 meters long each

