

Hot water: always fresh and super cheap

The ETA fresh water module makes it possible. Hot water is supplied as needed and is always fresh and hygienic. The ETA system also works extremely efficiently. This protects the boiler, the environment and the household budget!

Health and hygiene is becoming increasingly important for people. That is why buffer storage with fresh water modules is very much in demand. It provides fresh water at all times. When you turn on the shower or the tap, the hot water is not taken from the buffer storage tank but is heated on demand. The energy for this is taken from a heat exchanger of the buffer storage, which contains the hot water for heating.

Those who still prefer to not have a fresh water module should still think about the future. The ETA fresh water module can be retrofitted at any time and without much effort. All requirements, such as the connection for the circulation set, are available as standard on the ETA stratified buffer.

Shower more, heat less

The ETA buffer storage tank has an excellent heat exchanger and a sophisticated pump control. This keeps the return temperatures and thus also the energy costs for the hot water supply low. And the boiler is preserved too. An automatic boiler doesn't need to start as often – and owners of log boilers are also pleased that they don't have to start heating as often during the summer!

Virtually no limescale

Limescale and therefore boiler scale builds up easily in conventional hot water tanks. Especially when the water temperatures lie above 60 °C. Sooner or later, the tank has to be replaced. But with ETA devices limescale has almost no chance. On the one hand, the hot water is kept under 60 °C in the heat exchanger by admixing cooler return water, and on the other, a higher flow speed ensures that the limescale is flushed away and thus cannot accumulate. So water softening is therefore not needed in most cases.

Extra tips for the solar heating system:

ETA stratified charging module makes full use of free energy

If a buffer has a capacity of 100 litres or more, a stratified charging module always makes sense, as it sorts the water in the tank by temperature – the hot water is stored at the top, and below is the part which returns cool from the heating circuit. This saves energy. A valve ensures that the right stratified layer is controlled depending on the desired temperature.

The sun as shift worker

The ETA stratified charging module also works intelligently together with solar heating systems. When the sun is weak, for example in the morning, the module supplies the lower half of the buffer. Once the sun is sufficiently strong, the system switches to the upper

buffer layer. So even for small solar heating systems, high hot water temperatures are reached very quickly on days of good weather, without a heating boiler having to assist.

Low energy losses

The speed-controlled pumps guarantee maximum sun yield. They work according to the match-flow principle, always in lock-step with the strength of the sunlight. "The collector temperature should always lie just above the desired buffer temperature", explains ETA technician Florian Minihuber, "so that the collector loses as little energy to the environment as possible!"

Sun for heating

If solar power is stored in the buffer and the underfloor heating is directly connected to the buffer, the solar power automatically supports the heating system in winter. So you can have high solar yields also in winter!