

## **Freshwater station combines steady supply with easy operation**

### **Water heating at its most hygienic**

**Compact proportions, easy operation and safe and legionella-free water heating: The new freshwater station from Austria Email meets all requirements and legal standards for hygienic systems. When it is used in combination with the tried and tested buffer tanks from the Austrian manufacturer, the energy budget is on target as well. Heating water removal is kept to a minimum through the large difference in temperatures.**

#### **Sensor ensures the quickest reaction times possible**

A large flow range of up to 40 litres per minute provides for a continuously sufficient supply of hot drinking water. The sensitive sensor in the secondary hot water circuit is responsible for quick reaction times and constant temperatures, even during load changes. The primary circuit pumps ensure minimal hot water removal from the storage tank using return temperatures which are generally below 20 degrees Celsius.

The newly developed freshwater station includes such benefits as minimal space consumption, quick and easy wall-mounted or storage tank installation as well as reliable protection against scalding.

#### **Protection against calcification**

In order to actively protect the hot drinking water circuit from calcium build-up, the long heat exchanger has been set up in a vertical position. The connections for the hot water pipes are located solely on the bottom, and the those for cold water pipes are located solely on top. In this way, hot water rising in the heat exchanger mixes together quickly with the sinking cold water after a tap operation, ensuring that water temperatures below the critical level of 60 degrees Celsius are always maintained. A circulation pump with a flexible follow-up time provides additional protection from calcification.

#### **Hygiene requirements according to the Germany drinking water ordinance**

The intensification of the German drinking water ordinance (TrinkwV) has again significantly increased requirements for owners of drinking water installations. Stagnation in pipes carrying drinking water, along with the hygiene risks which result, is to be eliminated all together. The new freshwater station from Austria Email provides the operator with security, as it automatically ensures the routine and obligatory exchange of drinking water.

#### **Easy operation with the MFC controller**

The freshwater station is delivered in a pre-assembled and fully wired state and is thus ready for operation in the shortest amount of time possible. The control

system is operated using the MFC controller from Austria Email, which is easy to use thanks to its user-friendly design. Remote control and update services are additional functions available through the optional Internet interface.

The use of buffer tanks in combination with the new freshwater station ensures that hot water is always free of legionella – fulfilling the strictest of quality standards.

Be it a solid fuel or oil furnace, heat pumps or solar, gas or electric continuous flow water heaters: Austria Email buffer tanks are ideally suited for all hot water central heating systems.

**Captions:**



*[Austria Email ECO SWIFT.jpg]*

For safe, legionella-free water heating: Eco Swift freshwater station from Austria Email.

Photo: Austria Email



*[Austria Email ECO SWIFT Innen.jpg]*

Large flow range and quick reaction times for water heating: interior view of the Eco Swift freshwater station from Austria Email.

Photo: Austria Email