



Make your own battery water for 15 euro cents per litre

Batteries in electric trucks and pallet stackers must be refilled with water on a regular basis. It is important to use demineralized water since this optimizes both the capacity and the service life of batteries.

With a SILEX unit complete with wall-mounted tank and tapping equipment, you always have demineralized water of very high quality at hand. No need for purchasing, handling and disposing of plastic water cans.

Own production of demineralized water using a SILEX unit is fail-safe, inexpensive in operation and environmentally sound.

Water filling

When a battery lets out gases, water – not acid – disappears. Thus, the acid concentration becomes higher in the residual liquid and the plates are no longer covered resulting in the quick death of the battery. To avoid this, the battery should be replenished with **demineralized water** at regular intervals.



A quite simple solution for production of battery water comprises a SILEX unit, a water tank, and tapping equipment.

Operating economy

One litre of water from a SILEX unit costs about one Danish krone calculated at a water quality of 15 °dH.

Compared with the purchase of water in cans, the investment is repaid in less than two years based on a monthly consumption of 100 litres.

SILEX unit

The unit contains a cartridge with ion exchangers. Demineralized water is produced when water passes through the cartridge.



SILEX 1C with integrated conductivity meter, which continuously indicates the water quality.

The unit is able to supply two litres of demineralized water per minute. The capacity depends on the hardness of the inlet water. At an inlet water hardness of for example 15 °dH, the capacity is 360 litres. Should you need higher flow rates or greater capacity, we are also able to offer you this.

When the capacity of the cartridge is exhausted, simply exchange the cartridge for a new with recharged ion exchangers.

Send the exhausted cartridge to the address of your regeneration centre. Before returning the regenerated cartridge to you, we perform a thorough quality control of our regeneration to ensure full capacity and high-quality water.

We recommend buying an extra cartridge so that you always have available production capacity at hand.

Water tank

The water from the SILEX unit is stored in a 50 litre tank, which is equipped with level control for start/stop as well as overflow protection.



Water tank of 50 litres (at the top).

Tapping equipment

Simplicity is our key word. Therefore, our solution comprises non-conductive tapping equipment of plastic, which is not decomposed by water or acid.



Tapping equipment with two outlets. One is fitted with a hose with automatic stop function ensuring the correct volume of water for your battery.

Reliability of operation

EUROWATER has produced highly reliable water treatment plants with long service life and minimum maintenance needs for more than 80 years.

Further information

For more information, contact your local EUROWATER sales and service office.