



LIQUICK®

TREATMENT OF REVERSE OSMOSIS CONCENTRATE

LIQUICK® is a patented process developed by Euwa which amongst other application is perfectly suited for reverse osmosis concentrate treatment. With LIQUICK® EUWA has improved and modernised the lime precipitation at crucial points.

The system works with contemporary membrane technology and provides the operator with a compact design and fully automatic operation which are key advantages. A huge vessel is not necessary in contrast to the classic lime precipitation, which is reflected in lower investment costs. In the LIQUICK® process the raw water reacts with clear saturated lime water - which is produced under pressure by the EUWA developed ELIWA® process. As with classic lime precipitation the carbonate hardness of the water is precipitated as calcium carbonate or magnesium hydroxide in this way. However, the process is much faster with LIQUICK®.

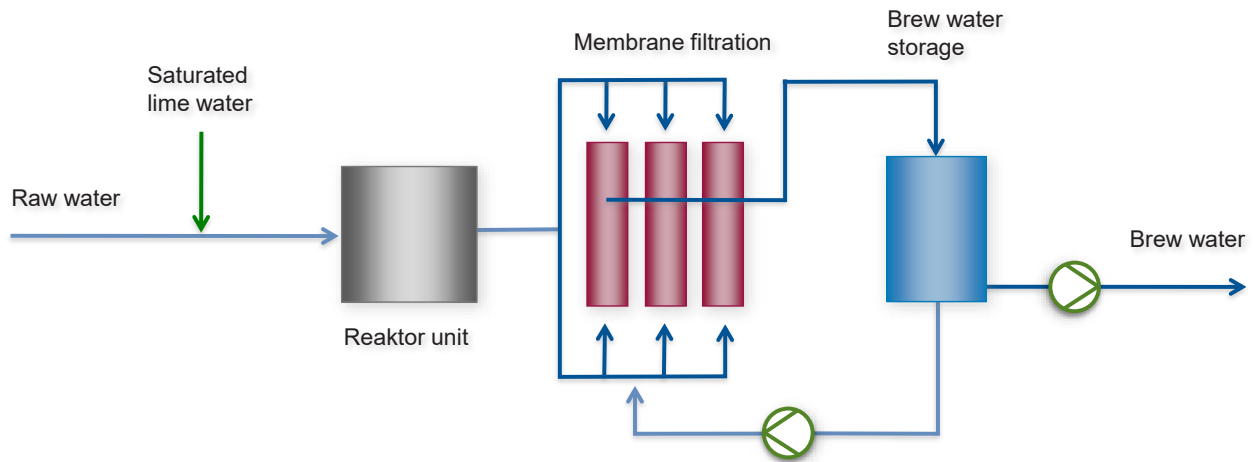
The precipitated reaction products are separated in a second process step from the liquid phase where EUWA uses the latest membrane filtration technology. The built-in tailor made ultrafiltration membranes separate both the precipitates and other impurities safely out of the water.

LIQUICK® thus provides a clear and pure filtrate. In addition, these membranes are also a reliable barrier to bacteria and viruses. Thus the reduction of bicarbonate, the removal of impurities and a sterile filtration of the treated water is achieved.

The reduction in bicarbonate and simultaneously removed impurities create new water recycling possibilities for the operator and reduces the specific water consumption.



LIQUICK



Due to its modular design, EUWA is able to adapt LIQUICK® very easily to the capacity required by the customer. It is therefore adaptable to any plant size. The compact design can also be subsequently integrated into existing systems easily. It can also be combined with ELIWA®, CALMIX® and EUWA reverse osmosis units.

In the latter combination LIQUICK® removes the carbonate hardness and other impurities from the reverse osmosis concentrate. The thus prepared concentrate can then be re-fed to the membrane separation. In this way, the EUWA reverse osmosis plants achieve yields up to 98 percent.



With more than 50 years of experience in industrial water treatment for the beverage and food industries, EUWA is specialized in individually tailored solutions for water treatment.

Visit www.euwa.com for more about our patented processes and systems.

EUWA Water treatment systems

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