



Kurita’s rejuvenation concept for Reverse Osmosis membranes: Kuriverter® RC.

Applications using Reverse Osmosis membrane technologies are everywhere in our lives – from tiny under counter units polishing our drinking water through industrial units preparing water for processes or purifying effluents for reuse, and massive seawater desalination plants producing thousands of m³ of drinking and irrigation water every day. The membranes used in these technologies face many potential problems, namely scale and deposits, biofouling, physical stresses and chemical damages. For many of these problems Kurita has developed preventive solutions, in the form of pre-treatment, antiscalants, dispersants, biocides and better operating procedures. Membranes that have suffered chemical damage and the resulting increased salt passage however, were simply replaced with the associated high cost and lost production.



But now there is an alternative: KURIVERTER® RC technology by KURITA.

This technology allows Kurita to rejuvenate the membrane, restore salt rejection and postpone membrane replacement until it is budgeted for and convenient. This at a fraction of the replacement cost using an easy to apply CIP process.

Customers’ benefits include:

- Safe FDA and NSF approved components
- Simple CIP process application
- Immediate solution to restore permeate quality
- Low cost compared to replacement
- Allows planning and budgeting for eventual membrane replacement

KURIVERTER® RC technology provides the membrane plant operator with a reliable tool to reduce risk and improve plant performance.

Membrane plant operation is a sequential process with each step having specific requirements for efficient operation, and lack of control in one step significantly impacts on the next. With over 60 years of experience, Kurita offers solutions for each of these process steps which will extend plant life and reduce Total Cost of Operation.

Kurita’s qualified experts will be glad to advise personally and individually.

About Kurita Europe

Kurita Europe is a subsidiary of Kurita Water Industries Ltd., headquartered in Tokyo (Japan). Kurita is one of the international market leaders in industrial water and process treatment. Our products and services for cooling water systems, boilers, membrane filtration units and drinking water inhibit scaling and corrosion, thus increasing the efficiency of systems, optimising processes, and saving water and energy. Over 3,500 patents are proof of Kurita’s innovative approach to a resource-saving consumption of water. Moreover, Kurita is one of only 30 worldwide enterprises listed in the Nature-Stock-Index (NAI).

More information about NAI: <http://www.nai-index.de>

Setting new standards in chemical treatment.

Kurita sees continuous research as one of the most important tasks and is driven by the realisation that water, our most important resource, is in limited supply. All energy and competence is therefore invested in the effective usage of this precious commodity. Innovative technologies like Kuriverter® RC provide decisive impulses – with solutions for Kurita’s customers and the environment.

Kurita’s portfolio contains products awarded with the National Sanitation Foundation (NSF) quality seal of approval and which are suitable for the conditioning of RO-plants in the production of drinking water.

More information about NSF: <http://www.nsf.org/>

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