

ROPUR RPI® Antiscalants

Manufactured in Germany under the EN ISO-9001/14001 quality standards, ROPUR RPI® Antiscalants are specifically formulated for membrane separation processes used in water treatment applications. Based on 30 years of application know-how, ROPUR RPI® Antiscalants increase reverse osmosis system performance and reliability through unmatched efficiency and quality.

Product Availability & Stock Location

ROPUR RPI® Antiscalants are readily available from stock located in Germany and in the UAE, helping to minimize customers' storage costs. Local ROPUR RPI® Antiscalants distributors also keep a stock of the most frequently used antiscalant products, making fast delivery possible.



www.ropur.com



Toray Membrane Europe AG

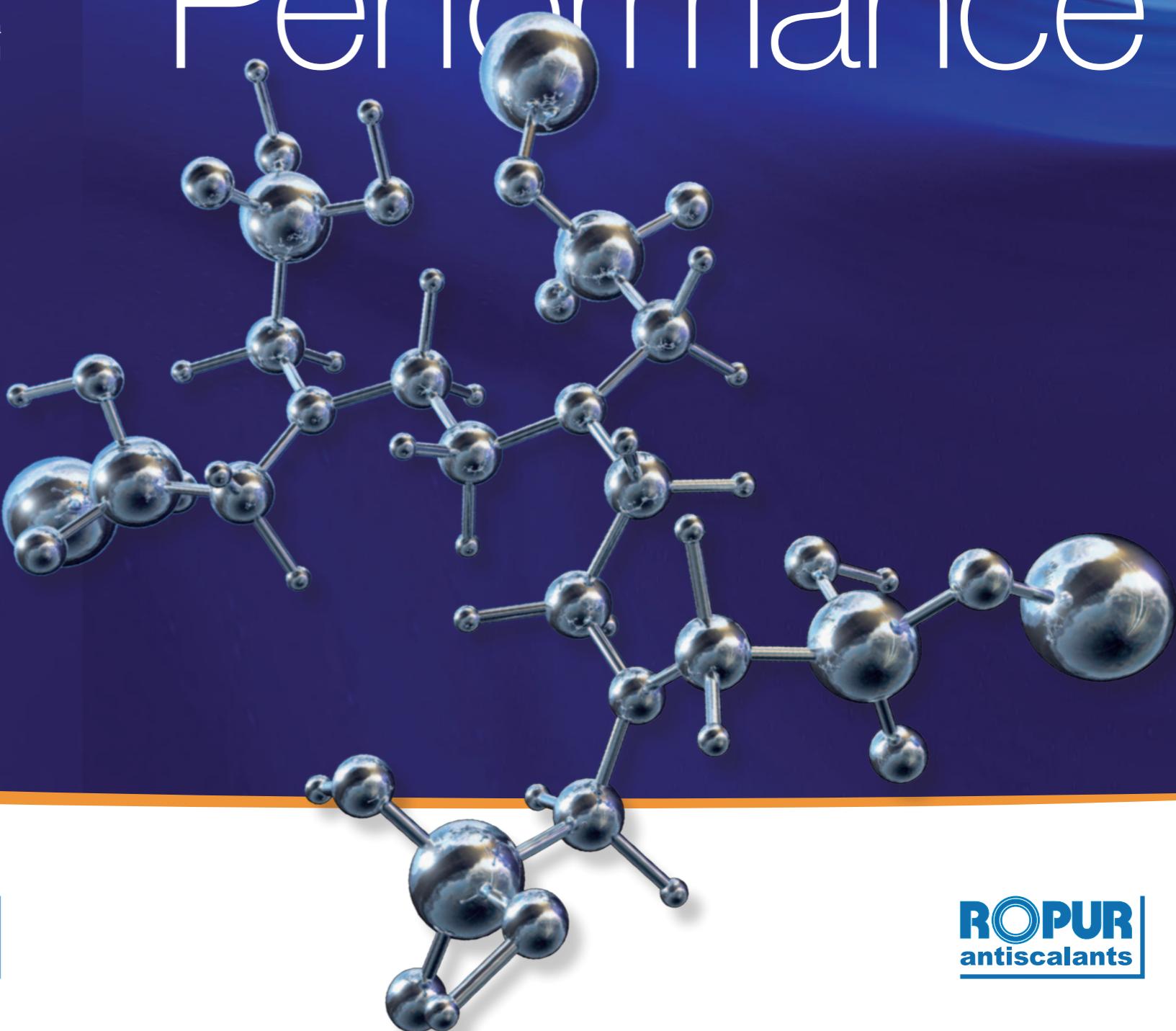
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ROPUR
antiscalants

Designed for Performance

Sept. 2013



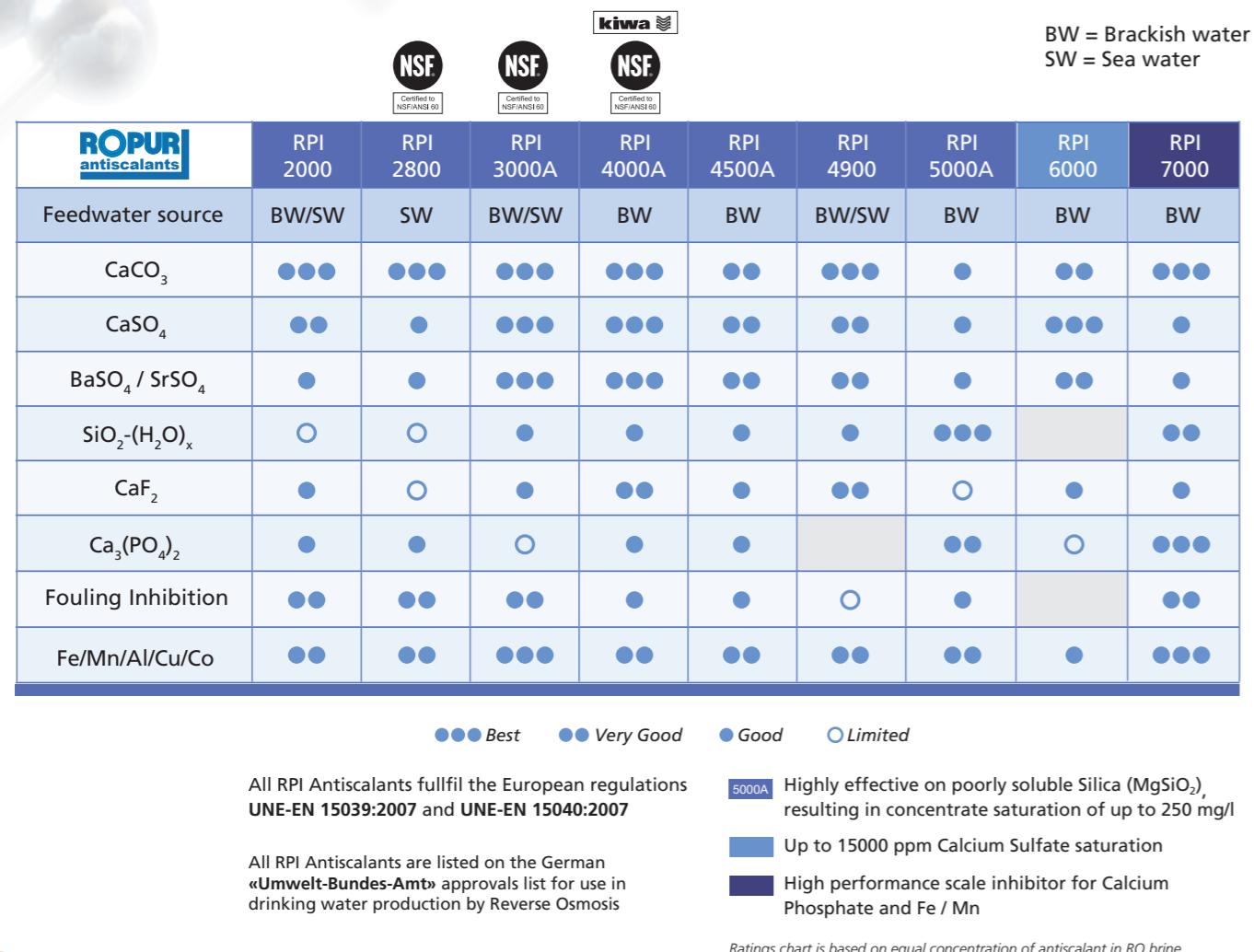
ROPUR RPI® Antiscalants

ROPUR RPI® Antiscalants feature superior scale control, dispersant capabilities as well as compatibility with commonly used membranes and chemicals for water treatment applications. ROPUR RPI® Antiscalants are used worldwide in hundreds of large reverse osmosis systems for water drinking purposes. ROPUR RPI® Antiscalants product range meets the expectations of NSF, KIWA and country-specific drinking water approvals.

ROPUR RPI® Antiscalants Table

ROPUR RPI® Antiscalants are in conformity with EU regulations: "Chemicals used for treatment of water intended for human consumption – Antiscalants for membranes".

The performance of ROPUR® RPI Antiscalants is summarized in the following table:

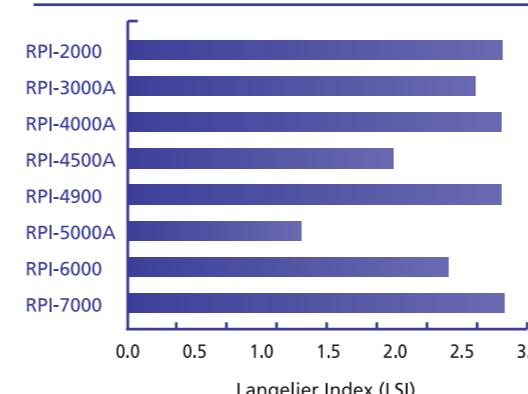


Benefits

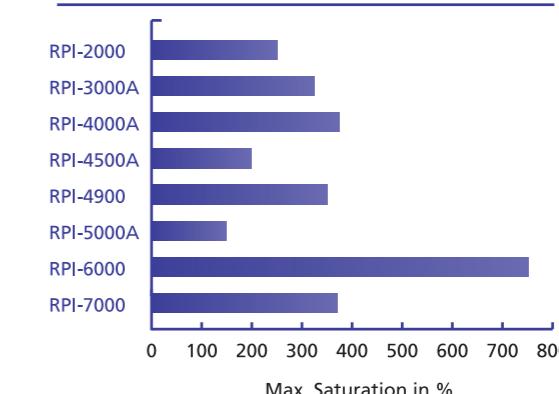
ROPUR RPI® Antiscalants are designed to support plant designers, OEMs and end-users in optimizing RO, NF, UF and MF plant performance. ROPUR RPI® Antiscalants are

- Compatible with commercially available membranes
- Certified for drinking water applications (NSF, KIWA, country-specific)
- Cost effective by optimizing plant recovery/conversion, reducing system downtime and cleaning frequency
- Protecting the membranes and investment
- Safe to handle and easier to dose
- Manufactured according to high quality standards ISO 9001 / 14001
- Environmentally friendly

Max. LSI (CaCO_3)



CaSO₄ Saturation



How it works...

Scale inhibitors function based on one of the following mechanisms, in which they interfere with the crystal growth stages:

Threshold effect

Sub-stoichiometric amounts of the inhibitor prevent the precipitation of salts that have exceeded their solubility product.



Live safer.TM
NSF Certified for
use in drinking
water application



KIWA Certified for
use in drinking
water application

Crystal distortion effect

Interference in normal crystal growth produces an irregular crystal structure, resulting in poor scale-forming ability.

Dispersancy (antifouling) effect

A single-pole charge is applied to the surface of the crystals, which causes the crystals to repel one another.

Customer satisfaction...

"The excellent characteristics of the RPI-Series inhibitors resulted in overwhelming satisfaction among our clients, and consequently our company could increase profits substantially."

D. Leon Padilla
HIDROTEC (Spain)



Expert support
is just a click away!



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