



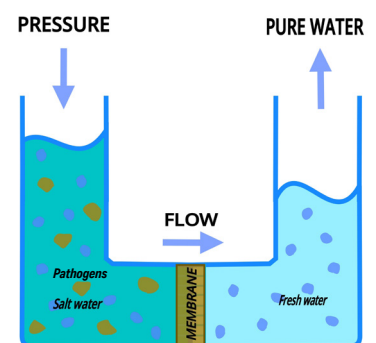
Protect and Optimize your Reverse Osmosis Membranes

Freshwater production systems such as reverse osmosis (RO) are typically the most cost effective and economical means to provide constant freshwater supply onboard. However, RO membranes are very costly and delicate, and improper or insufficient chemical treatment might result in warranty voids and high replacement cost. Consequently, this can lead to unscheduled downtime, which increases your water and energy consumption and requires more manpower to replace the membranes. Contamination of membranes causes higher energy use, more frequent membrane cleaning and shortens the life span of the membrane. Membrane contamination is usually known as: fouling.

Our Unitor™ range of RO cleaning chemicals are specifically formulated for membrane treatment to help keep membranes free of scale, foulants and biological growths (such as algae, fungi and biofilms). Along with regular maintenance cleaning, this can keep membranes in good working condition and improve productivity in the long run. This will also benefit the life span of your membranes, enabling smooth and efficient operation, while producing high quality feedwater and potable drinking water onboard your vessel.

Unitor™ RO product series includes:

- Antiscalants / Scale Control
- Acidic and alkaline-based cleaners
- Dechlorinating agents
- CIP Cleaners for different membrane types (Nano filtration, Ultra filtration)
- Chlorine for treating feedwater



REVERSE OSMOSIS

Our Unitor™ RO products are application-proven formulations that cater to your water treatment needs



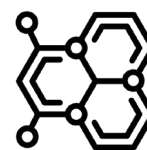
Certified by NSF
in accordance with
Standard 60



Protect RO membranes
from scaling and fouling,
optimized performance &
productivity



Highly concentrated and
cost effective dose rate



Formulated for
all types of membranes

Unitor™ RO Cleaning Products

Product	Quantity	Product No.
RO Scale Control	25 Ltr Pail	777716
RO Surfactant Cleaner	25 Ltr Pail	777201
RO Alkaline Cleaner	25 Ltr Pail	777718
RO Mild Acid Cleaner	25 Ltr Pail	777715
RO Bisulfite 38-40% Liquid	25 Ltr Pail	777852
Sodium Hypochlorite Portable Grade	25 Ltr Drum	909001

The Unitor™ reverse osmosis chemical range makes cleaning easier by reducing corrosion and other scaling problems in your RO membranes, which lowers overall operating and maintenance costs. For more information, please visit our product catalogue at <https://www.wilhelmsen.com/product-catalogue/>

Wilhelmsen Ships Service provides you with the full range of chemicals and equipment that are tailor-made for marine environment and economical usage.

Wilhelmsen Ships Service
Phone: (+47) 67 58 40 00
Fax: (+47) 67 58 40 80

Postal Address:
PO Box 33, NO-1324
Lysaker, Norway

wilhelmsen.com

Contact your local WSS customer services for prices and worldwide availability.

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