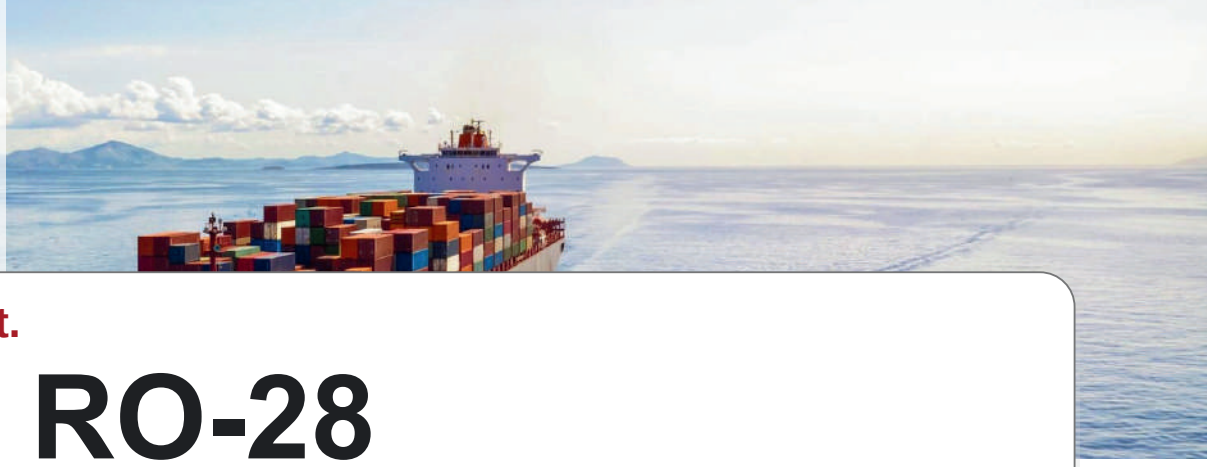


Water Treatment.

SHER RO-28

Membrane Cleaning Treatment for Iron Fouling Control, Scale Removal and System Performance Recovery.

DESCRIPTION & APPLICATIONS:

High-performance membrane cleaner developed with advanced fouling-control and deposit-removal technology for reverse osmosis membrane systems. The specialized formulation effectively dissolves iron fouling, rust deposits, metal oxides, and mineral scale while dispersing loosened contaminants to prevent their redeposition on membrane surfaces during cleaning.

Its advanced cleaning and dispersion action improves foulant suspension, enhances cleaning efficiency, restores permeate flow, reduces differential pressure, and helps maintain optimum membrane productivity. Regular use of RO-28 extends membrane service life, reduces cleaning frequency, lowers operating costs, and ensures reliable long-term RO system performance.

FEATURES & BENEFITS:

- Effectively removes iron fouling, rust deposits, and metal oxides
- Dissolves mineral scale and light calcium carbonate deposits
- Disperses loosened foulants to prevent re-deposition on membrane surfaces
- Restores permeate flow and membrane productivity
- Reduces differential pressure across membrane elements
- Improves foulant removal and cleaning efficiency
- Helps maintain optimum membrane salt rejection
- Buffered formulation for controlled cleaning performance
- High concentration of active cleaning agents

SHERAN CHEMICAL (UAE) |SHERAN HELLAS CHEMICAL (Greece)

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Manufacturing & Sales: Fujairah, UAE | Athens, Greece

Marine and industrial chemicals supplier worldwide.

CERTIFICATIONS & MARINE SUPPLY NETWORKS

ProcureShip SHIPSERV ISO 9001:2015 COMPANY

PS ID: 14754 TN-315946

DOSAGE & APPLICATION:

RO-28 should be used in accordance with the membrane manufacturer's recommendations and OEM cleaning procedures.

Cleaning Solution Preparation

Parameter	Recommended Range
Solution Strength	3 - 6% by Volume
Cleaning pH	3.0 - 4.0
Cleaning Temperature	25 - 40°C
Circulation Time	4 - 24 Hours
Cleaning Method	Offline Recirculation

Recommended Cleaning Triggers

Cleaning should be performed when any of the following conditions occur:

Operating Parameter	Cleaning Trigger
Normalized Permeate Flow	Decrease >10%
Differential Pressure	Increase >10%
Salt Rejection	Reduction >10%
Visible Iron Fouling	Immediate Cleaning
Mineral Scale Formation	Immediate Cleaning

STORAGE & HANDLING:

Store tightly closed in a cool, dry, ventilated area away from heat and sunlight, following standard SDS safety guidelines.

SHELF LIFE:

24 Months from the date of manufacture when stored under recommended conditions.

TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Clear Liquid
Colour	Clear to Light Amber
Odour	Mild Acidic
pH (Concentrate)	1.0 - 3.0
Specific Gravity @ 25°C	1.10 - 1.25
Solubility	Completely Miscible in Water
Foaming Characteristics	Low Foaming
Application	RO / NF / UF Membrane Cleaning
Form	Liquid

CONTROL & MONITORING:

Monitor permeate flow, feed pressure, differential pressure, and salt rejection regularly to determine cleaning requirements. During cleaning, if the solution changes to a dark red or brown colour, it should be replaced as the active cleaning capacity has been exhausted. Following cleaning, flush the system thoroughly with clean water until the discharge pH is comparable with feed water pH.

COMPATABILITY:

- Suitable for RO, NF, and UF membrane systems
- Effective against iron fouling, metal oxides, and mineral deposits
- Compatible with standard membrane cleaning equipment
- Intended for offline membrane cleaning applications only

STANDARD PACKAGING:

- 25 Kg PE Drum
- 200 Kg PE Drum

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