



U.S. STERILES
GRAMICID®

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GRAMICID-102

(ANTISCALANT & ANTIFOULANT FOR REVERSE OSMOSIS SYSTEMS)



GRAMICID-102 is specially designed to *inhibit Silica, inorganic scale formation and fouling* in the membrane separation system.

It controls the scales of Calcium Carbonate, Calcium Sulfate, Barium and Strontium Sulfate in waters with a high scaling potential.

SPECIFICATION:

Appearance	Light brown color clear liquid
pH (as is)	4.0-5.0
Solubility	Mixable in any proportion
Stability	Excellent

BENEFITS:

- Inhibits inorganic scale formation in the membrane separation system. It controls the scales of Calcium Carbonate, Calcium Sulfate, Barium and Strontium Sulfate in water with a high scaling potential.
- Gramicid-102 can prevent the extreme fouling of Calcium Sulfate and protects the membranes from the hard to remove Calcium Sulfate scales.
- It controls precipitation of moderate levels of Iron and Manganese.
- Specifically useful under stressed conditions, due to its excellent tolerance to high levels of Calcium.
- It can minimize the acid dosing or eliminate the need of acid dosing in R.O. feed water. Low foam formulation.
- Also disperses silt and colloidal particles thereby keeping the membrane surface clean. It works as a Silica Inhibitor.
- Cost effective program for carbonate/sulfate scales removal.
- No adverse effects with repeated use of solution. Safe to use.
- Is environmental friendly and hence does not pose any concern for the discharge of waste water.

CHEMICAL DOSING AND CONTROL:

- General Dose: 2-5ppm
- Gramicid-102 is normally dosed continuously prior to the final cartridge filter. It should be fed by chemical dosing pump from a dilution tank or direct from the drum into the feed water line.
- The Doses of Gramicid-102 for inhibition of scale formation depends on the quality of feed water and size of the membrane system. The specific control ranges will be specified by the technical representative and will also optimize the dose rate for your system.

There may be some variation in procedure depending on system condition.

PACKING: GRAMICID-102 is available in 30Kg and 50Kg HDPE carboys.