

XF-210

Reverse Osmosis Membrane Scale Inhibitor

HIGHLIGHTS

XF-210 antiscalant is a highly effective scale control agent designed for use with reverse osmosis systems.

This product is specifically targets scale deposition of many common compounds including calcium carbonate, calcium sulphate, barium sulphate, calcium fluoride. It also disperses colloidal silica that is present in some feed waters.

Other primary features include:

- The most effective product when high concentrations of calcium hardness are present
- Functions over all normally encountered pH ranges
- Functions over all temperature ranges used for RO plants

TYPICAL PROPERTIES

- Appearance: Clear colorless liquid
- Specific gravity: 1.0 – 1.2
- pH (neat): 0.2 – 2.0
- Freeze point: 0 °C
- Viscosity @ 20 °C 50 cps

PRIMARY APPLICATIONS

The application rates of XF-210 will vary based on the incoming water quality, operating pressure of the RO plant and condition and age of the membranes. Normal feed rates are between 3.0 and 6.0 mg/L of feedwater. Your ZI-TECH technical field representative will determine the correct feed rate for your specific conditions.

FEEDING & CONTROL

XF-210 should be added using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, Viton, Teflon and stainless steel.

Recommended injection point is after prefilter, upstream of feedwater pressure pump.

APPROVAL

XF-210 is approved by NSF/ANSI STD 60 for use in Reverse Osmosis plants as an antiscalant up to 15 mg/L where the permeate is used for drinking water.

THE BENEFITS

- Increase permeate production
- Higher Flux rates across membranes
- Eliminate downtime for cleaning
- High quality distillate

COMMON APPLICATIONS

- BWRO Plant
- SWRO Plant

PACKAGING

- 30kg pails
- 240kg drums
- 1,200kg IBC's or in bulk

HANDLING & SAFETY

ZI-TECHASIA maintains a database of material safety data sheets (MSDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

