

ScaleShield Prime Membrane Sentinel

Antiscalant

ScaleShield Prime Membrane Sentinel is a powerful broad spectrum antiscalant, specially formulated for feedwaters with high levels of scale-forming minerals, as well as metal oxides and silica. It is effective over a wide range of concentrations, and does not flocculate dissolved polymers such as residual coagulants or iron- or aluminum-rich silica. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis (RO) and nanofiltration (NF) systems.

Features

- Controls Calcium Flouride/Carbonate/Sulphate, Barium/Strontium Sulphate, Silica, and Ferrous Iron/Manganese.
- Controls polymerization and precipitation of silica.
- Decreases precipitation of aluminum, iron, and heavy metal salts.
- Compatible with RO, NF, and UF membranes from all major manufacturers.
- Liquid formulation is convenient and easy to use.
- Certified under NSF/ANSI Standard 60 for drinking water production.



Dosage

In the typical dosage range of 1–10 mg/L (neat), control of a wide range of inorganic scales at up to 100x saturation values or higher is possible. By monitoring the concentrate stream and trend charts, optimal dosage can be achieved for the control of scales.



Specs

Appearance: Clear, Colorless to Light Yellow Liquid
Product pH (neat): ≤ 2.0

Specific Gravity: 1.06 ± 0.03
Feedwater pH: 5.0-10.0

Application

ScaleShield Prime Membrane Sentinel should be injected into the feed stream prior to the static mixer and cartridge filter. Effective pH range is 5.0-10.0. If frozen, may be thawed and mixed before use.

