

# LIQUID DISPERSANT VITEC® 3000

## REVERSE OSMOSIS ANTISCALANT

Vitec® 3000 is a powerful, wide spectrum, liquid antiscalant and dispersant that is highly effective at low dose rates and in a wide range of feedwaters such as brackish, waste water and seawater. Used in multiple industries including but not limited to semiconductor, food and beverage, power, oil and gas. Contains high and low molecular weight components that are proven to not only prevent scale precipitation but disperse particles.

## KEY FEATURES

- Powerful against these and other types of scale:

Calcium Carbonate	CaCO <sub>3</sub>
Calcium Sulfate	CaSO <sub>4</sub>
Barium Sulfate	BaSO <sub>4</sub>
Strontium Sulfate	SrSO <sub>4</sub>
Calcium Fluoride	CaF <sub>2</sub>

- Powerful, wide spectrum, liquid antiscalant and dispersant that is highly effective at low dose rates and in a wide range of feedwaters.
- Contains high and low molecular weight components that are proven to not only prevent scale precipitation but disperse particles.
- Compatible with polyamide membranes from all major manufacturers.
- Highly effective in a wide variety of feedwaters and pH ranges.
- Compatible with Avista® coagulants.

### PACKAGING AND STORAGE\*

Packaging format	Americas	Asia / Emea
Pail	45 lb	20 kg
Drum	500 lb	230 kg
IBC tote	2500 lb	1100 kg

## INJECTING

Best results are achieved when Vitec® 3000 is injected downstream of multimedia filters and upstream of cartridge filters.

## DOSING

A typical Vitec® 3000 dose ranges from 2–5 mg/l. A site-specific dose can be determined using the Avista® Advisor software program.

## DILUTION

Vitec® 3000 is formulated to be injected neat. However, if dilution is required, use deionized water or RO permeate. If neither of these is available, softened water may be substituted. The dilution for Vitec® 3000 should not result in a solution strength of less than 10%. This guideline protects the effectiveness of the internal bacteriostat, which inhibits bacterial growth in the product packaging and feed tank.

### CHEMICAL AND PHYSICAL PROPERTIES

Characteristics	
Appearance	Clear amber colored liquid
pH (as supplied)	10.7 — 11.8
Specific Gravity (at 25°C)	1.2 — 1.3

\* Standard regional pack sizes are listed below. Information on drumless or bulk tanker delivery is available on request.

Please consult your sales representative for further technical or logistical details and always review the SDS before use to ensure suitable safety precautions are followed.