

## REVERSE OSMOSIS ANTISCALANT

# Vitec™ 3000

Antiscalant / Dispersant

## APPLICATION

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, wastewater and seawater. Vitec 3000 is used in multiple industries including, but not limited to, semiconductor, food and beverage, power, and oil and gas. It contains high and low molecular weight components that are proven to not only prevent scale precipitation but also to disperse particles. Vitec 3000 is NSF certified.

## 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 to 5 mg/l. A site-specific dose can be determined using the Avista™ Advisor™Ci software program.

## DILUTION

Vitec 3000 is formulated to be injected neat. However, if dilution is required, use deionized water or reverse osmosis (RO) permeate. If neither of these is available, soft 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	DATA
Appearance	Clear to amber liquid
pH (as supplied)	10.7 – 11.8
Specific gravity (@25°C)	1.2 – 1.3

## PERFORMANCE BENEFITS

- 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 also to 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

Standard regional pack sizes are listed below. Information on bulk delivery options is available on request.

PACKAGING FORMAT	NORTH AMERICA	SOUTH AMERICA	ASIA
Pail	45 lb	20 kg	20 kg
Drum	500 lb	240 kg	220 kg
Tote	2,500 lb	1,200 kg	1,000 kg



CERTIFIED TO  
NSF/ANSI 60

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.

**GLOBAL HEADQUARTERS**

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