

Vitec 4000 is a liquid antiscalant and dispersant that offers excellent silica scale inhibition and allows increased system recoveries in high silica feedwaters.

This product is a multicomponent formulation that prevents silica scale precipitation at higher concentrations than typical antiscalants, a feature that may allow significantly increased membrane system recovery in high silica feedwaters. Vitec 4000 retains its performance even in reverse osmosis (RO) concentrate streams containing up to 4 mg/l of ferrous iron.

Vitec 4000 is approved for use in systems producing drinking water in the UK, conforming to DIN 15040, and by NSF International under NSF/ANSI Standard 60.

PERFORMANCE BENEFITS:

- Powerful against these and other types of scale:

Calcium Carbonate	CaCO ₃
Calcium Sulfate	CaSO ₄
Barium Sulfate	BaSO ₄
Strontium Sulfate	SrSO ₄
Calcium Fluoride	CaF ₂
Silica	SiO ₂

- Dispersant qualities reduce colloidal and silt fouling of membrane surfaces.
- Excellent dispersant for alum particles.
- Compatible with polyamide and cellulose acetate RO/NF membranes from all major manufacturers.

INSTRUCTIONS FOR USE

Injecting

Best results are achieved when Vitec 4000 is injected downstream of multimedia filters and upstream of cartridge filters.

Dosing

A typical Vitec 4000 dose ranges from 2-5 mg/l. A site-specific dose can be determined using the Avista Advisor software program.

Dilution

Vitec 4000 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 4000 should not result in a solution strength of less than 10%. This guideline will protect the effectiveness of the internal bacteriostat, which inhibits bacterial growth in the product packaging and feed tank.

PRODUCT INFORMATION

Packaging and Storage

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

SPECIFICATIONS

	PACKAGING FORMAT	AMERICAS/ASIA	EMEA
Appearance:	Clear, amber liquid		
pH (as supplied):	4.5-6.5		
Specific gravity (@25°C):	1.1-1.2		
	Pail	45 lb	23 kg
	Drum	500 lb	230 kg
	IBC tote	2500 lb	1100 kg

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.

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