

**PERFORMANCE BENEFITS:**

- Proven effective against these 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>
Tri Calcium Phosphate	Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>

- Compatible with polyamide and cellulose acetate RO/NF membranes from all manufactures.

Vitec® 1400 is a liquid antiscalant designed to inhibit calcium carbonate, calcium sulfate, metal oxides, silica, barium and strontium scale in municipal feedwaters where there is potential for high concentrations of inorganic fouling, or high hardness ground waters. This antiscalant is compatible with the Avista® RoQuest® line of coagulants and may eliminate the need to inject acid. When used as recommended, Vitec 1400 will prevent scale formation and decrease the frequency of membrane cleanings, resulting in the reduction of overall operating costs.

Vitec 1400 is environmentally friendly where discharge of waste is a concern and has been certified by NSF International under NSF/ANSI Standard 60 for use in systems producing drinking water.

**INSTRUCTIONS FOR USE**
**Injecting**

Best results are achieved when Vitec 1400 is injected downstream of multimedia filters and upstream of cartridge filters.

**Dosing**

A typical Vitec 1400 dose ranges from 2-5 mg/l. A site-specific dose can be determined using the Avista Advisor software program.

**Dilution**

Vitec 1400 is formulated to be injected neat. However, if dilution is required, use deionized water or RO permeate. If neither of these are available, softened water may be substituted. The dilution for Vitec 1400 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.

Vitec 1400 should be protected from freezing.

**SPECIFICATIONS**

<b>Appearance:</b> Clear, colorless
<b>pH (as supplied):</b> 3.5 - 4.5
<b>Specific Gravity (25°C):</b> 1.05-1.10

PACKAGING FORMAT	AMERICAS/ ASIA	EMEA
Pail	45 lb	-
Drum	500 lb	-
IBC tote	2500 lb	-

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

**CORPORATE OFFICES**

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 Certified to  
 NSF/ANSI 60

Avista Technologies (UK) Ltd

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