

### PERFORMANCE BENEFITS:

- 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® 1100 is a cost effective, liquid antiscalant designed to specifically inhibit calcium carbonate, metal oxides, silica, and mineral scale in municipal feedwaters where there is potential for concentrations of inorganic fouling. This antiscalant is compatible with the Avista® RoQuest® line of coagulants and may eliminate the need to inject acid. When used as recommended, Vitec 1100 will prevent scale formation and decrease the frequency of membrane cleanings, resulting in the reduction of overall operating costs.

Vitec 1100 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 1100 is injected downstream of multimedia filters and upstream of cartridge filters.

#### Dosing

A typical Vitec 1100 dose ranges from 2-5 mg/l. A site-specific dose can be determined using the Avista Advisor software program.

#### Dilution

Vitec 1100 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 1100 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 1100 should be protected from freezing.

#### SPECIFICATIONS

Appearance: Clear, colorless
pH (as supplied): < 2.0
Specific Gravity (25°C): 1.05-1.10

PACKAGING FORMAT	AMERICAS/ ASIA	EMEA
Pail	44 lb	-
Drum	480 lb	-
IBC tote	2400 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

Avista Technologies, Inc.



Certified to  
NSF/ANSI 60

Avista Technologies (UK) Ltd

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