

### Performance:

Vitec® 5100 antiscalant offers a variety of performance and application benefits:

- Powerful inhibitor against a variety of scales including:

<b>CaCO<sub>3</sub></b>	<b>CCPP ≤ 900 (LSI ≤ 2.8)</b>
<b>CaSO<sub>4</sub></b>	<b>3.0 x Ksp</b>
<b>BaSO<sub>4</sub></b>	<b>105 x Ksp</b>
<b>SrSO<sub>4</sub></b>	<b>20 x Ksp</b>
<b>CaF<sub>2</sub></b>	<b>1000 x Ksp</b>
<b>SiO<sub>2</sub></b>	<b>120 ppm</b>

- Highly effective at low dose rates in a wide range of feedwater types and pH ranges
- Compatible with polyelectrolytes
- Provides both scale and inorganic fouling control
- Compatible with all membrane types

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**Vitec® 5100** is a liquid antiscalant/dispersant blended to inhibit scale and disperse colloidal particles in cellulose acetate and polyamide membrane separation systems.

This formulation has been certified by NSF International under ANSI/NSF Standard 60 for use in systems producing potable water.

Vitec 5100 is compatible with Avista's complete line of RoQuest® organic coagulants.

### Application:

Optimum Vitec 5100 performance is achieved when the chemical is injected upstream of the membrane system and where possible of cartridge filters.

### Dosing Guidelines:

The typical dosage range is between 2 to 5 ppm. A site-specific dose can be determined using the **Avista Advisor** computer program.

Like any injected chemical, over or underdosing may cause unnecessary membrane system fouling. Please contact the Avista customer service department for customized dosing instructions.

### Dilution:

This product is formulated to be injected neat. However, if a dilution is required, use demineralized or RO permeate water. If neither of these is available, softened water may be substituted. The dilution for Vitec 5100 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 drum and feed tank.

### Packaging and Storage:

Standard regional pack sizes are listed below and custom packaging can be provided worldwide. Information on drumless or bulk tanker delivery is available on request.

Specifications	
Appearance:	Clear, yellow liquid
pH (2% solution):	5.0 – 6.5
Specific Gravity@20°C:	1.10 ± 0.05

Packaging Formats	Americas	EMEA
Pails	45 lbs	23 kgs
Drums	500 lbs	230 kgs
IBC's (totes)	2500 lbs	1100 kgs



CERTIFIED BY NSF INTERNATIONAL TO NSF/ANSI 60 AS STANDARD DRINKING WATER TREATMENT CHEMICAL FOR USE IN REVERSE OSMOSIS SYSTEMS AT A MAXIMUM LEVEL OF 13 mg/l.

