

Performance:

Vitec[®] 2000 antiscalant offers a variety of critical performance and application benefits:

- Powerful inhibitor against a variety of carbonate and sulfate scale:

CaCO₃	CCPP ≤ 900 (LSI ≤ 3.0)
CaSO₄	3.5xKsp
BaSO₄	105 x Ksp
SrSO₄	35 x Ksp
CaF₂	1000 x Ksp
SiO₂	120ppm

- Highly effective in a wide range of feedwater types and pH ranges.
- Dispersant qualities reduce colloidal and silt fouling of membrane surfaces.
- High tolerance for ferrous ion.
- Excellent dispersant for alum particles
- Compatible with all leading RO membranes

Vitec[®] 2000 is a proprietary liquid antiscalant/dispersant designed to inhibit scale and disperse colloidal particles in cellulose acetate and polyamide membrane separation systems.

This product can be injected neat or diluted and used in a wide array of feedwater sources including surface or well waters. Dosages can be determined using the **Avista Advisor** program and are based on feedwater analysis and site specific water treatment system data.

Application:

Optimum Vitec[®] 2000 performance is achieved when the chemical is injected downstream of multimedia filters and upstream of cartridge filters. In systems using sulfuric acid (H₂SO₄), the best results are obtained when the acid is injected far enough upstream to ensure it is adequately mixed prior to the Vitec[®] 2000 injection point.

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 2000 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:	Light amber liquid
pH (10% solution):	4.5 – 5.5
Specific Gravity@20°C:	1.15 ± 0.05

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

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