

Performance:

Vitec® 1000 antiscalant offers a variety of performance and application benefits:

- Inhibits RO membrane scaling caused by the following:

Calcium Carbonate (CaCO₃)
Calcium Sulfate (CaSO₄)
Barium Sulfate (BaSO₄)
Strontium Sulfate (SrSO₄)
Calcium Fluoride (CaF)

- Compatible with the thin film composite (polyamide) and cellulose acetate RO membranes of the leading manufacturers.
- Certified by Underwriters Laboratories under ANSI/NSF 60 for use in systems producing potable water.

Vitec® 1000 is a liquid antiscalant designed to inhibit scale in cellulose acetate and thinfilm membrane separation systems. The formulation contains a 35% by weight solution of polyacrylic acid that has a tight molecular weight range of 2000.

This product is designed for use in waters that do not have a high potential for colloidal and silt fouling of RO membrane surfaces (i.e. groundwater applications). Vitec® 1000 can be injected neat or diluted and a site-specific dosage can be determined using the Avista Advisor software program.

Application:

Vitec® 1000 performance is achieved when the chemical is injected downstream of multimedia filters and upstream of cartridge filters.

Dosing Guidelines:

The typical dosage ranges are actually between 2 to 5 ppm. A site-specific dose can be determined using the Avista 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:

The maximum dilution for Vitec® 1000 should not exceed 10%. This guideline will protect the effectiveness of the internal bacteriostat, which inhibits bacterial growth within the drum and feed tank.

Packaging and Storage:

Standard regional pack sizes are listed below. Custom packaging can be provided worldwide to meet customer needs.

| Specifications | |
|------------------------|--------------|
| Appearance: | Clear liquid |
| pH (10% solution): | 3.0 – 5.0 |
| Specific Gravity@20°C: | 1.05-1.25 |

| Packaging Formats | Americas | EMEA |
|-------------------|----------|---------|
| Pails | 45 lbs | - |
| Drums | 525 lbs | 250 kg |
| IBC's (totes) | 2500 lbs | 1250 kg |

This product should be protected from freezing during storage as the active ingredients may separate under extreme temperatures. If freezing occurs, warm the chemical until it returns to the liquid state and stir to recombine.

