

Performance:

Vitec® 1000 antiscalant offers a variety of critical 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:** CaF₂
- Compatible with the polyamide and cellulose acetate RO membranes of the leading manufacturers.

Vitec® 1000 is a liquid antiscalant designed to inhibit scale in cellulose acetate and polyamide 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. Vitec 1000 has been certified by the NSF International under ANSI/NSF Standard 60 for use in systems producing drinking water.

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 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 1000 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. This product should be protected from freezing.

LENNTECH

info@lennotech.com
www.lennotech.com
Tel. +31-152-610-900
Fax. +31-152-616-289

Specifications

Appearance:	Clear liquid
pH (10% solution):	3.0 – 5.0
Specific Gravity@20°C:	1.2 ± 0.05

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



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 28 mg/l

