

REVERSE OSMOSIS ANTISCALANT



Vitec™ 1400

Antiscalant / Dispersant

APPLICATIONS

Vitec™ 1400 is a liquid antiscalant and dispersant designed to inhibit silica scale up to 2.0 times saturation. Also prevents calcium carbonate and barium sulfate in municipal feedwaters where metal (i.e., aluminum) concentrations in the feed are low but silica scale potential is elevated. Vitec 1400 is NSF certified.

INJECTING

Best results are achieved when Vitec 1400 is injected downstream of multimedia filters and upstream of cartridge filters.

DOSING

A typical Vitec 1400 dose ranges from 2 to 5 mg/l. A site-specific dose can be determined using the Avista™ Advisor™Ci software program.

DILUTION

Vitec 1400 is formulated to be injected neat. However, if dilution is required, use deionized water or reverse osmosis (RO) permeate. If neither of these is available, soft water may be substituted. The dilution for Vitec 1400 should not result in a solution strength of less than 10%. This guideline protects the effectiveness of the internal bacteriostat, which inhibits bacterial growth in the product packaging and feed tank.

CHEMICAL AND PHYSICAL PROPERTIES

CHARACTERISTICS	DATA
Appearance	Clear to amber liquid
pH (as supplied)	4.1 – 4.7
Specific gravity (@25°C)	1.1 – 1.2

PERFORMANCE BENEFITS

- Good for preventing moderate scaling of these and other type of scales:

Silica	SiO ₂
Calcium carbonate	CaCO ₃
Barium sulfate	BaSO ₄
Strontium sulfate	SrSO ₄
Calcium phosphate	CaPO ₄

- Good for municipal feedwater systems with slightly elevated silica levels and low metal concentrations.
- Inhibits high calcium carbonate and moderate sulfate scales.
- Compatible with polyamide membranes from all major manufacturers.
- Highly effective in a wide variety of feedwaters and pH ranges.

PACKAGING

Standard regional pack sizes are listed below. Information on bulk delivery options is available on request.

PACKAGING FORMAT	NORTH AMERICA	SOUTH AMERICA	ASIA
Pail	45 lb	–	20 kg
Drum	500 lb	–	220 kg
IBC tote	2,500 lb	–	1,000 kg



CERTIFIED TO
NSF/ANSI 60

Please consult your sales representative for further technical or logistical details, and always review the SDS before use to ensure suitable safety precautions are followed.