

REVERSE OSMOSIS ANTISCALANT



Vitec™ 5100

Antiscalant / Dispersant

APPLICATIONS

Vitec™ 5100 is a liquid antiscalant and dispersant targeted at preventing scale precipitation in larger systems and is particularly cost effective in seawater and municipal reverse osmosis (RO) applications. This full spectrum antiscalant is also very effective in high iron and organic waters. Vitec 5100 is NSF certified.

INJECTING

Best results are achieved when Vitec 5100 is injected downstream of multimedia filters and upstream of cartridge filters.

DOSING

A typical Vitec 5100 dose ranges from 0.5 to 2.0 mg/l. A site-specific dose can be determined using the Avista™ Advisor™Ci software program.

DILUTION

Vitec 5100 is formulated to be injected neat. However, if dilution is required, use deionized water or RO permeate. If neither of these is available, soft water may be substituted. The dilution for Vitec 5100 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 (2% solution)	5.0 – 6.5
Specific gravity (@25°C)	1.05 – 1.15

PERFORMANCE BENEFITS

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

Calcium carbonate	CaCO ₃
Calcium sulfate	CaSO ₄
Barium sulfate	BaSO ₄
Silica	SiO ₂

- Antiscalant targeted at preventing scale precipitation in larger seawater and municipal RO applications.
- Full spectrum antiscalant that can prevent several types of scales.
- Very effective in high iron and organic waters.
- Compatible with membranes from all major manufacturers.
- Compatible with Avista coagulants.
- Effective in a wide variety of feedwater 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	–	200 kg
IBC tote	2,500 lb	–	1,100 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.