



American Water Chemicals, Inc.

High Performance Membrane Antiscalants and Cleaning Chemicals

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Aquacare-A-102Si R.O. Membrane Antiscalant – Moderately High Silica

Advantages

- **AQUACARE-A-102Si** is a premium broad spectrum antiscalant designed to inhibit inorganic scale formation in membrane separation processes.
- **AQUACARE-A-102Si** controls calcium carbonate scale formation without acid up to an LSI of 2.6 and maintains good scale inhibition in the presence of moderate levels of silica.
- **AQUACARE-A-102Si** effectively controls reactive silica up to 180% of its saturation limit in the reject stream.
- **AQUACARE-A-102Si** controls calcium sulfate, calcium phosphate, calcium fluoride, barium sulfate and strontium sulfate scales and disperses metal oxides.
- **AQUACARE-A-102Si** has been approved by the National Sanitation Foundation (NSF) for the production of potable water in membrane separation processes.
- **AQUACARE-A-102Si** is environmentally compatible, especially where discharge of waste into the environment is a concern.



Typical Properties

Appearance. Clear yellow to amber liquid
 Odor. Characteristic Odor
 Solubility in water. Complete
 pH (as is) @ 25°C. 3 – 4
 Specific Gravity. 1.15 ± 0.03

Safety and Handling

Store in a cool, dry place. In accordance with good safety practice, handle with care and avoid contact with eyes and prolonged or repeated contact with skin. For more information, see the Material Safety Data Sheet provided with this product.

Chemical Feeding and Control

AQUACARE-A-102Si is normally fed continuously prior to the final cartridge filter. It should be injected by chemical dosing pump from a dilution tank or directly from the drum to the feedwater line. The amount of **AQUACARE-A-102Si** required to inhibit scale formation depends on the quality of feedwater and size of the membrane system. The specific control ranges will be specified by the technical representative and can also assist you in determining the appropriate dose rate for your system.

Packaging

AQUACARE-A-102Si is packaged in 55 gallon, non-returnable plastic drums.

ISO 9001 Certified Company

