RO Membrane Antiscalant

Product Information Sheet

AMI AS-102 Antiscalant is designed for use with commercial and industrial membrane water treatment systems.

Advantages

- A broad spectrum antiscalant designed to inhibit inorganic scale formation in membrane separation processes
- Inhibits calcium carbonate scale up to Calcium Carbonate Nucleation Index (CCNI) of 2.2
- Effectively inhibits formation of calcium sulfate, calcium fluoride, barium sulfate, strontium sulfate and silica
- Stabilizes metal ions to prevent metal oxides precipitation and disperses existing metal oxides/hydroxides, silt and clay particles
- Approved for use by all major membrane manufacturers
- Environmentally compatible, especially where discharge of waste into the environment is a concern

Quality Standards

Certified by NSF to NSF/ANSI Standard 60 for Drinking Water Treatment Chemicals – Health Effects. Manufactured in an ISO 9001:2015 ISO certified facility in USA.

Certified to NSF/ANSI 61

Manufactured in ISO 9001:2015 QMS Certified Facility

Made in USA

Ordering Information

Part Number	Volume	Weight
AS-102-45	5 Gallons (19 Liters) Bucket	45 lb (20 kg)
AS-102-500	55 Gallons (208 Liters) Drum	500 lb (227 kg)

Typical Properties

- Appearance: Clear colorless to yellow liquid
- Odor: Characteristic
- Solubility in Water: Complete
- pH (as-is) @ 25°C: 3-4
- Specific Gravity: 1.10 ÷0.05

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 the skin. AS-102 is not considered a DOT Hazardous Material. For more information, see the Safety Data Sheet provided with the product.

Chemical Feeding & Control

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 AS-102 required to inhibit scale formation depends on the quality of the feed water and operational parameters of the membrane system. Refer to your membrane system operating manual, or consult with an Applied Membranes, Inc. water treatment technician for the specific control range and approximate dosage rate for your system.