

S-100 Membrane Antiscalant Concentrate Instructions

For shipments overseas and to large water treatment plants AXEON S-100 Antiscalant Concentrate is provided as an eight (8) fold concentrate. The concentrate is diluted with seven (7) volumes of purified water to form S-100 Antiscalant Concentrate.

AXEON Antiscalant Concentrate is a highly effective antiscalant, specially formulated for feedwaters with highest levels of metal oxides, silica and scale-forming minerals. It is effective over a wide range of concentrations, and does not flocculate dissolved polymers such as residual coagulants of iron or aluminum-rich silica. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis (RO), nanofiltration (NF) and (UF) ultrafiltration systems. A special utility is in its application as a substitute for pretreatment with ion exchange beds.

Product	Appearance	Specific Gravity	pH (2% in water)
S-100 Concentrate	Clear, colorless, aqueous solution	1.45 ± 1.05	2.5 Maximum

S-100 Application	Dosing Recommendations
S-100 Antiscalant Concentrate should be injected into the feedstream prior to the static mixer and cartridge filter. Effective pH range is 3-13. If frozen, may be thawed and mixed before use. Stability is excellent, but best used within 12 months.	In the useful dosage range of 1 – 45 mg/L (neat), control of a wide range of inorganic scales at up to 100 x saturation values or higher is possible. By monitoring the concentrate stream and trend charts, optimal dosage can be achieved for the control of scales including that from calcium carbonate, calcium sulfate, barium sulfate, strontium sulfate, iron hydroxide, aluminum hydroxide and silica.
	Packaging
	5-gallon pails and 55-gallon drums

*MSDS available on our website