

WR-1000 Antiscalant

Technical Data Sheet

Phosphorus- and Nitrogen- free antiscalant for Membrane systems

Product Description

WR-1000 is an antiscalant with a high dispersing capacity for membrane systems, where deposits, caused by high hardness or suspended solids, are likely to occur.

Typical physical properties

Appearance	: Clear Amber Liquid
pH (1 % Solution)	: 6.0 – 7.5
Density (20°C/68°F)	: 1.130 – 1.220
Freezing Point	: - 5 ± 1°C
Solubility in Water	: Totally miscible in all proportions

Product benefits

- WR-1000 prevents the formation of crystals from water hardness by blocking crystal growth
- WR-1000 can be used for a wide range of applications concerning pH, hardness, content of suspended solids
- The stabilization property in WR-1000 limit an amorphous precipitate which is dispersible and does not form a hard scale on the membrane surface, so that it can be flushed out with the brine easily.
- WR-1000 is suitable for the pH- range from 7 to 10.

Application

WR-1000 can either be added undiluted or, if preferred, as a solution in water. The product should be added by an automatic dosing system regulated by the quantity of the feed flow shows large variations. All parts of the dosing system, which come in contact with the product must be made of acid resistant material. Synthetic materials (PE, PVC) are preferable to metallic materials.

The product should be added at or before a point of high mixing intensity in the system. The dosage may be adapted to the capacity of the dosing system by diluting of WR-1000.

Packing available

WR-1000 is supplied in polyethylene pail contain 25 kgs in polyethylene drum.
