

# AquaSol 8210 RO Scale Inhibitor - Concentrate

Product  
Information

Suitable for reclaimed RO system with complex water situation and high iron

## General Information :

AquaSol 8210 is a phosphorus-free, biodegradable hyperbranched polymer inhibitor & dispersant, which have broad-spectrum scale inhibition capability by adjusting the molecular structure and functional groups based on AquaSol 8200 .

For those Reclaimed RO system with medium to high hardness inlet water, membrane fouling is not just caused by carbonate or sulfate pollutants. AquaSol 8210 has a good scale inhibition and dispersion effect on carbonate scale, while the tolerance of sulfate scale and iron ion, COD resistance and flocculant compatibility are better than AquaSol 8200. AquaSol 8210 is recommended for reclaimed RO system where water quality is complex and high iron in the influent.

AquaSol 8210 can ensure a more stable and continuous operation for reverse osmosis systems under more difficult water conditions, and reducing the fouling risk. AquaSol 8210 can be used in a wide pH and temperature range, have better controlling capability for RO membrane pollutants than similar products.

## Product Characteristics :

- Effectively control inorganic scaling in wide concentration range, and the maximum LSI is 2.8 (in concentrated water)
- Do not react with Iron, Aluminum oxides and silicon compounds
- Effective in controlling the iron, aluminum, and other heavy metal pollutants
- Can effectively inhibit silicon polymerization and deposition, with SiO<sub>2</sub> concentration up to 320 mg/l in concentrated water
- Can be used for RO/NF, also can be used as an additive for membrane Acid Cleaning.
- Excellent solubility and chemical stability
- Feed water pH valid within 6~13
- Can effectively prevent Iron, manganese ion fouling in the reverse osmosis system; Also good dispersion for calcium phosphate and sulfate scale
- Avoid microbial contamination in membrane system and sewage discharge issues caused by phosphorus
- High dosage of the product within a reasonable range will not pollute the Membrane, and no negative impact on the membrane system

## Specification :

Appearance	Colorless to light amber liquid
Ion	Anionic
pH, (25°C)	1.0 - 3.0
Density, (25°C)	1.10 - 1.30 g/cm <sup>3</sup>

## Usage :

AquaSol 8210 is a high-performance concentrate liquid product, the dosage is depend on different water & system conditions. Normally the dosage is around 2~5ppm by standard solution . Before using the product, it is recommended to consult us to calculate a precise dosage for optimal results and economical cost.

## Package and Storage :

200L plastic drum, IBC(1000L), or Customized package. Shelf life is twelve months under normal handling and storage conditions.