



Product Bulletin

ASR PERMA TREAT PC-391

RO MEMBRANE ANTISCALANT.

Benefits

Has been approved by NSF for potable treatment applications.
Highly effective scale inhibitor across broad spectrum of water qualities.
Minimizes carbonate and sulphate scaling and cleaning costs.
Replaces the need for acid dosing in many applications.
Compatible with all types of membranes based on polyamide chemistries.
Effective iron sequesterant.
More stable and effective than sodium hexametaphosphate and most polymeric antiscalants.

Uses

ASR PERMA TREAT PC-391 is designed for use in RO systems as antiscalant.
It contains patented TRASAR for optimum control on dosage to protect the system against under and overdosing.

Description

ASR PERMA TREAT PC-391 contains TRASAR for improved reliability of scale control by assuring consistent dosing.
PermaTreat PC -391Tis a blend of threshold agents and dispersants able to stabilize a wide range of super saturated salt solutions.

Dosage

The required dosage of ASR PERMA TREAT PC-391 will depend on water chemistry and site specific parameters.
Your ASR representative will recommend the optimum dosage necessary to ensure maximum program performance according to your specific system conditions.
To determine the optimum product dosage for your system, it is recommended that you use the PermaCare® RO11 chemical projection computer program.

Feeding

ASR PERMA TREAT PC-391 should be fed via a closed system.
A closed system is defined as a system in which fluid is moved from a closed storage vessel into a treated media without exposure to the atmosphere except through normal venting or pressure relief devices.
ASR PERMA TREAT PC-391 should be fed continuously to minimize precipitation of scale and fouling of RO and nano-filtration membranes. It is recommended to operate the dosing pump with the highest possible frequency and to adjust the dosage by adjusting the pump stroke to ensure membrane protection.

Materials

Storage and application equipment (pumps and lines) should be made of PVC, PE , Teflon or Stainless Steel.
Do not use Aluminum, Brass or Carbon steel in contact with the neat product.

Handling

As a standard precaution with all chemicals we recommend the use of protective equipment such as goggles and rubber gloves when handling chemical products.
Consult the Material Safety Data Sheet as the only official source of Environmental and Safety information.
The product can be stored at least 12 months from date of shipping if kept in its original, unopened container and under normal warehouse conditions.
Protect from freezing and from exposure to high temperatures.

Remarks

ASR PERMA TREAT PC-391 is available in non-returnable containers and PORTA-FEED's of different sizes.
If you need more information on this product, please call your nearest ASR representative.