

OP-3 CHEMICALS 101

We use four types of chemicals: SC-1, SC-2, SC-3, and propylene glycol antifreeze

Note: Never use any chemicals with the system pressurized. Always open the pressure relief valve 1/2 turn. Always follow the instructions for purging the chemicals as shown in the New System Start Up section of your owner's manual.

Storage: The SC-1 is for storage only, and should not be used as a cleaning chemical. To prepare the system for storage, first do a fresh water flush until the brine discharge is below 1000ppm or does not taste salty.

Mix one jar of SC-1 with 1 to 2 gallons of product or dechlorinated fresh water in a bucket and circulate UNPRESSURIZED with the fresh water in the system for 10 minutes then discard. The system should be repickled every six months in warm conditions and every eight months in cooler conditions.

The Spectra systems should be stored with Propylene Glycol if freezing could occur. This is the food grade antifreeze used to winterize R.V's, boats and cabins. This works very well for storing in warm climates and is good for one year. See OP-1 WINTERIZING OR PICKLING W/ ANTIFREEZE.

NOTE: Do not use metasodium-bisulfate, Citric Acid, or any other storage chemical not supplied by Spectra. These chemicals, used to store other watermaker brands, are very acidic and will damage the Clark Pump and void the warranty.

Cleaners: Cleaning can be detrimental to the membrane and shorten its life. Avoid unnecessary cleaning. Avoid cleaning as a diagnostic tool.

SC-2 is an alkaline cleaner used to remove light oil, grime and bio growth. It is most effective if heated to 120 deg. F. On a boat this is not easy to do. If not heated, circulate for 2 hours and let set for several hours and recirculate for one hour and discard. In most cases the water quality will increase in PPM after an SC2 cleaning. After a few hours it should recover to near the ppm it produced before the cleaning

SC-3 is an acid cleaner used to remove mineral and scale deposits. This is used in the same way as the SC-2. In most cases this is used first and if no results go on to the SC-2. SC-3 will in most cases lower the product PPM and over all pressures. Scaling is a slow process that may take several months or years. SC-3 is less harmful to the membrane and will almost always improve the performance of an older membrane.