



Sea-R.O. Chlorine dosing systems and Ultraviolet sterilizers provide a simple and safe method to keep stored potable water safe and healthy and will prevent and eliminate bacteria contamination.

When fresh water is made by reverse osmosis systems, the water is generally free of any bacteria or any other contaminants. However, when water is stored the storage tank or reservoir can become contaminated through an air vent, catchment of rain water through gutter collection, or direct entrance of birds or animals.

In order to protect against this, municipal water systems will generally add a small amount of chlorine to the water, about 1 part per million. This remains in the water as a safeguard.

Chlorine dosing systems work by metering the correct dosage of chemical, which is injected into the product water as it is distributed from the reverse osmosis system into the storage tanks or cistern.

Since chlorine treatment results in some residual taste and odor in the water, Sea-R.O. recommends the use of a carbon filter as the final treatment, which will remove the residual chlorine and byproducts.

The alternate method of purification is through the use of ultraviolet light, which sterilizes any bacteria or pathogens and prevents their multiplication.

The ultraviolet sterilizing method eliminates any chemical use, but does not have any residual or lasting effect to safeguard further contamination of the stored water. For this reason, ultraviolet systems are installed after the storage tanks or cistern and as close to the actual point of use as possible.

Sterilizers are sized by flow rates in gallons per minute and must be selected to meet the maximum possible flow rate of the water system.

The following drawings and specifications sheet will clarify the installation and sizing of both chlorine and ultraviolet sterilizer systems. Please contact Sea-R.O. for further applications assistance.



Dosing Pumps are peristaltic design that allows self priming and can run dry without harm. Resistant to concentrated chlorine used to sanitize product water. Fully adjustable in dosing rate from .2 to 3.0 gallons per day. Includes inlet and discharge tubing, check valve for injection point, clay weight for inlet tube. Plugs directly into 115 VAC outlet.

Item	Model#	Price
Dosing Pump	45MHP2	\$369.00
Replacement tubes, 2-pack	UCCP201	\$29.00



We believe that our sterilizers are the very best quality available and are built to withstand installation in commercial and marine applications. Sterilizers perform a crucial function in water quality and Sea-R.O. only offers this top of the line Sanitron model. Sterilizers feature all stainless steel construction and unique wiper mechanism to keep the internal quartz tube crystal clear for optimum UV light exposure. Bulbs are rated at 10,000 hours and are easily changed. Install sterilizer near to point of water use, and plug into 115 VAC outlet.

Model	GPM	in/out	mnpt	L x W x H inches	Wattage	Unit price	Spare bulb
S14	2	1/2"		16x6x9	14	\$735.00	\$65.00
S17	3	3/4"		20x6x9	18	\$765.00	\$65.00
S23	6	3/4"		26x6x9	24	\$850.00	\$65.00
S37B	12	1"		40x6x10	44	\$965.00	\$73.00
S50B	20	1-1/2"		53x6x10	54	\$1175.00	\$87.00
S2400B	40	2"		52x7x12	140	\$2200.00	\$255.00

