

## ***Our UV filtration system***

is designed to make cistern water safe and good tasting. It has not been tested for use with well and brackish water. Be sure to have your water tested before installation and regularly after installation.

The system is sized for most single-family homes. Larger systems are available for commercial uses.

The system consists of two pre-filters, a UV light, and a post filter. The pre-filters are twenty inch dual gradient sediment filters manufactured by *U.S. Filter*. The first filter behaves as two filters with a 75 micron outside and a 25 micron inside. The gradient of the other pre-filter is 25 micron to 1 micron. These filters are designed to economically filter particles out of the water down to one micron.

After removing the particles that could shield virus, bacteria, and protozoa microorganisms the water enters the UV filter cylinder rendering these organisms sterile and no longer a health threat. The effectiveness of the bulb decreases with time. It should be replaced annually, even though it still lights up and the indicator lamp is lit. The UV light is manufactured by *Atlanta Ultraviolet*, and is rated to exceed your cistern pump water volume.

The water is now cleansed with a charcoal filter to improve taste.

The unit is warranted, as follows, against manufacturers defects:

- Electronic parts - One year parts by Atlanta Ultraviolet
- Plumbing leaks within the filters and the UV cylinder - One year (Limited to \$50.) by Gallows Bay Hardware
- Filter housings - One year by U.S. Filter
- Filters are not warranted because of unknown water quantity

Gallows Bay Hardware and its suppliers do not make any warranties either express or implied, regarding merchantability of fitness for a particular purpose except as provided in this brochure. This unit will not work in all cases. A complete cleaning and sterilization of the water system may be required in order for the system to be effective.

### **Tips:**

1. Test your water before and after installation
2. Sterilize the water system between the filters and point of use after installation of the system but before installation of the last filter. (a) Pour two cups of household bleach into the last filter chamber. (b) Pressurize the system. (c) Install the last filter (charcoal) after de-pressurizing. (d) Pressurize and flush your plumbing system by systematically turning on all the taps. (e) Test the water after 24 hours. Drink and enjoy the water after getting positive test results.
3. A light on the ballast does not mean the bulb is emitting UV rays. It means the bulb is working.