



## SunRay 30 Solar Water Pasteurizer

### Frequently Asked Questions

#### The SunRay 30 simply stated:

The SunRay 30 is an effective, low-cost, long-term solution to the worldwide contaminated drinking water crisis.

#### Why is the SunRay 30 needed?

The impact of contaminated drinking water is staggering:

- \* 1.2 billion people do not have access to safe drinking water
- \* 5 million people, mostly children, die each year from diseases caused by contaminated water
- \* 80% of all illnesses and 50% of hospitalizations in the developing world result directly from waterborne pathogens
- \* At any one time, approximately 1 billion people are sick from diseases contracted by consuming contaminated water
- \* The leading cause of death in the developing world for children under the age of five is waterborne diseases.

#### What is the SunRay 30?

The SunRay-30 is an innovative and revolutionary way to provide safe, pure water. Invented by Safe Water Systems, they use only the heat of the sun to disinfect drinking water.

*Solar Water Pasteurizers* combine solar water heating with pasteurization. Pasteurization achieves the same results as boiling, but at a lower temperature.

#### How does the SunRay 30 work?

Making safe, pure water couldn't be easier. Simply pour water in, set it out in the sun and in 1-1/2 to 2 hours the water will be disinfected. On very sunny days up to four batches can be treated. Each batch disinfects 7.5 liters.

#### Is the SunRay 30 effective?

Yes! Independent laboratories confirm that our *Solar Water Pasteurizers* are 99.999% effective in destroying all disease-causing viruses, bacteria, protozoa, spores and worms.

#### How do you know when the water is safe to drink?

A visual indicator shows when the water has been heated enough to completely kill all harmful organisms. The indicator is simply re-inserted and re-used for the next batch.

### **What are the key features of the SunRay 30?**

- \* Disinfects water without electricity, fuel, chemicals, or water pressure
- \* Simple low-tech design offers long-term reliability—10+ year life
- \* Rated a “superior” disinfectant by US Dept. of Energy (highest rating)
- \* No installation or maintenance required, no technician needed

### **What are the key benefits of the SunRay 30?**

- \* Low-cost; disinfects water for less than U.S. \$0.001 per liter
- \* Low per-capita cost: U.S. \$1.50 per person per year
- \* Prevents illness and death
- \* Dramatically improves health of children and adults
- \* Permanent, long-term solution to contaminated water crisis
- \* No on-going expenses, supplies or replacement parts

### **How does the SunRay 30 compare to other water disinfection products?**

The **SunRay 30** is superior to, and offers many advantages compared to boiling, chlorine, household filters, ultra violet, and sand filters.

### **The SunRay 30 - How big is it? How much does it weigh?**

Dimensions: 31" x 24" x 3.5" (79cm x 61cm x 9cm)

Weight: 10 lb. (4.5 kg)

### **How much does the SunRay 30 cost?**

Please refer to the Safe Water Systems price list/order form

### **Where can I learn more about the SunRay 30 and other Solar Water Pasteurizers?**

Visit [www.safewatersystems.com](http://www.safewatersystems.com) for more information