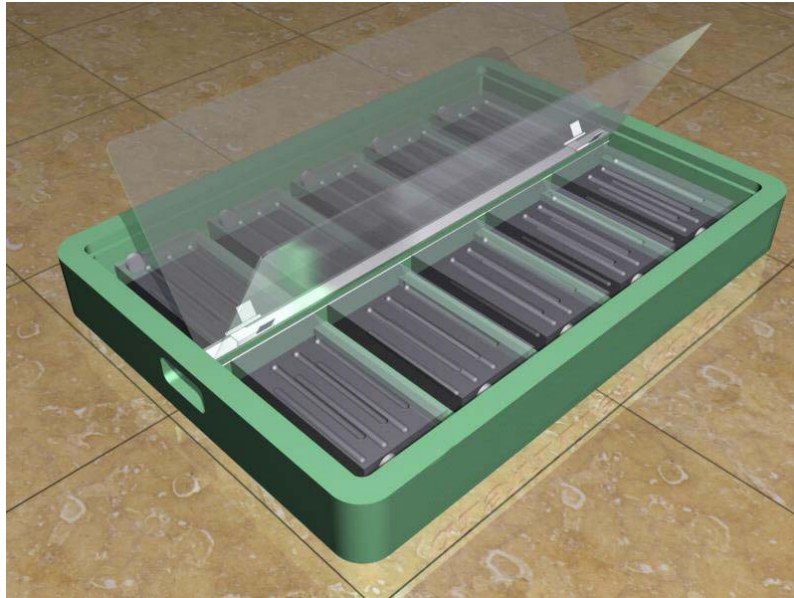


SUNRAY 30

SOLAR WATER PASTEURIZER

The Simple, Low-Cost Way to Make Water Safe to Drink



More than 5 million people, most of them children, die each year from water-borne diseases. 80% of all illnesses in developing countries are a result of contaminated drinking water.

SunRay 30 Solar Water Pasteurizer is a simple, effective, low-cost and long-term solution. Designed specifically for reliable use in the harsh conditions of remote areas, it is an ideal choice wherever conventional water treatment is unavailable or unreliable.

Water can be pasteurized and made safe to drink by using only the heat of the sun. Just as boiling water with electricity or wood kills disease-causing bacteria

and viruses, **SunRay 30** achieves the same result by using the sun as the heat source.

The **SunRay 30** is the absolutely simplest way to disinfect contaminated water for a single family or small group. Up to 30 liters can be treated on very sunny days. No installation or maintenance is needed.

Just pour contaminated water into the 10 individual bottles and place the unit in direct sunlight. The permanent, reusable thermal indicator shows when the water has reached pasteurization temperature and is safe to drink.

SunRay 30 Solar Water Pasteurizer...

- * Disinfects water without electricity, fuel, pumps, chemicals, or pressurized water.
 - * 10+ year life—sustainable, long-term operation. Nothing to wear out or breakdown.
 - * Simple low-tech design; ideal for either remote areas or urban environments.
 - * No operating cost: no fuel or energy is required (other than sunlight) .
 - * Low cost: disinfects water for less than U.S. \$0.005 (one-half cent) per liter.
 - * No replacement parts or supplies are needed.
 - * 99.999% effective in killing disease-causing micro-organisms.
 - * No installation. Ready to use right out of the box.
 - * No maintenance.
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REVOLUTIONARY COMBINATION OF PASTEURIZATION AND UV RADIATION

SunRay 30 is the world's first commercial water purification system to harness the sun in two ways: heat (pasteurization) and UV (ultra-violet) radiation

Sunshine passes through the clear cover to heat and pasteurize the water inside the bottles. At the same time, the sun's ultraviolet rays penetrate the cover and the bottle to kill harmful bacteria and viruses inside.

Independent testing has proven that the combination of heat and UV disinfects water at a lower temperature than heat alone.

PORTABLE AND PRACTICAL

SunRay 30 is a batch-type solar water pasteurizer. In about 1-1/2 hours of direct sunshine, one cycle of 7.5 liters will be disinfected. On a very sunny day, up to four batches can be disinfected, providing 30 liters of safe drinking water.

Portable and lightweight, SunRay 30 weighs only 4.5 kg /10 lb. You can take it wherever safe water is needed.

LOW COST

Based on a 10 year life and an average production of 15 liters per day, **SunRay 30** makes water safe to drink for less than U.S \$0.004 per liter.

Based on a consumption rate of two liters per person per day, the cost per person is approximately \$3.00 U.S. per year.

HOW IT WORKS

No extra parts, tools or hardware are necessary to begin using **SunRay 30**. Just pour untreated water into the ten bottles and put the bottles in the insulated box. Then place the box in a location where it will receive clear, unobstructed sunlight

Depending on the quality and intensity of sunlight, the water will be heated to a pasteurization temperature of 62 degrees C (143 degrees F) in about 1-1/2 hours

When pasteurization is complete, the visual indicator will change color. This shows that the water is free from disease-causing bacteria and viruses, and is now ready for consumption.

The bottles can be removed and a second set of bottles can then be filled and pasteurized. The permanent thermal indicator is reset for the next heating cycle by turning it upside down and reinserting it.

HIGH QUALITY CONSTRUCTION

SunRay 30 is constructed for reliability and long-term operation. There are no moving parts to repair or service, and there are no maintenance or operating costs. Life expectancy is more than 10 years

SunRay 30 is not for use with salt water and does not operate in freezing temperatures. It does not remove chemical contaminants. Additional filters can remove particulates, offensive tastes and odors and a variety of chemical contaminants.

SunRay 30 Solar Water Pasteurizer...

- * Compared to boiling...SunRay 30 saves money and time, reduces deforestation and air pollution.
- * Compared to chlorine...SunRay 30 is more effective, isn't a health risk and doesn't leave a bad taste.
- * Compared to water filters...SunRay 30 is more effective, more reliable, lasts longer and doesn't need replacement parts.
- * Compared to ultra-violet disinfection...SunRay 30 is more effective, doesn't need electricity and doesn't require clean water.

SPECIFICATIONS

Dimensions: 79cm X 61cm X 9cm / 31" X 24" X 3.5") Weight 4.5 kg / 10 lb.

WARRANTY: One year limited warranty against defects in materials and workmanship. Damage caused by freezing is not covered. Details are available upon request.



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