



# Community Water Disinfection System

Rapid, portable, and continuous water disinfection using common salt



The STREAM™ Community Water Disinfection System makes water safe to drink by generating a continuous flow of disinfecting solution from common salt. The disinfectant destroys all classes of microorganisms, including viruses, bacteria, and protozoan cysts. It is effective even in turbid waters and can be operated using 110/220 VAC, or 12 VDC from a car battery or solar panel. The system is ideal for small communities, disaster relief and humanitarian missions.

**Treats up to 230,000 L of water per day (60,000 gals)\***

## SPECIFICATIONS:

- **Disinfectant Flow:** 4.8 L/hr (1.3 gph) of solution at a concentration of 5,000 mg/l
- **Electrical Service:**  
110/220 VAC, 2 A, 50/60 hz  
12 VDC, 16 A
- **Salt Consumption:**  
0.07 kg/hr of salt (0.16 lbs/hr)
- **System Weight:**  
8.2 kgs (18 lbs)
- **Dimensions:**  
42 x 33 x 17.3 cm  
(16.5 x 13 x 6.8 in)
- **Material of Construction:**  
High impact waterproof plastic case

*\*at a dose of 2.5 mg/L*

## How To Use:

1. Make a brine solution in a separate container (such as a 20-liter bucket) by mixing salt and water in a 15 g/l ratio.
2. Connect electrical power to the unit and turn on the switch to pump brine through an electrolytic cell, where it is converted to a chlorine disinfectant.
3. Collect the disinfectant in another container (i.e. 20-liter bucket).
4. Add the disinfectant to any untreated fresh water (such as river, lake, stream, puddle, etc.)
5. Wait 30 minutes to kill viruses, bacteria, and most protozoa. The solution can also be used anywhere a chlorine-based disinfectant is used, including to clean surfaces in hospitals, sanitize hands, and rinse vegetables.



The STREAM™ System is designed to be extremely rugged – it will survive multiple 2 meter drops to concrete. The unit can be turned on and operated with the lid open, in a rainy or humid environment without damage.

THE STREAM™ SYSTEM WAS DEVELOPED BY AQUA RESEARCH LLC, CREATOR OF THE H2GO PURIFIER. OUR MISSION IS TO IMPROVE ACCESS TO CLEAN WATER IN THE DEVELOPING WORLD THROUGH AFFORDABLE, SIMPLE, AND SUSTAINABLE WATER TREATMENT SOLUTIONS. THE STREAM™ SYSTEM IS IDEAL FOR SMALL COMMUNITIES COLLECTING WATER AT A CENTRAL POINT, FOR ENTREPRENEURS OPERATING WATER KIOSKS, AND FOR MEDICAL SETTINGS AND FIRST RESPONDERS SANITIZING WITH CHLORINE IN THE MIDST OF OUTBREAKS SUCH AS EBOLA OR CHOLERA.



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