

# Safe Water for All

The H2gO® Purifier is the most cost-effective and sustainable personal water purifier, at only US\$0.0007 per liter.

## The Problem

- **Contaminated Water** - 1 in 4 people (2.2 billion) do not have access to safe water, killing 1.2 million people each year.
- **Childhood Mortality** - Waterborne pathogens cause diarrhea, afflicting 1.7 billion people, killing over 500,000 children, and contributing to childhood malnutrition each year.
- **Cost of Disease** - Waterborne disease can cost low-income families 1/3 of their annual income and over 2 months of lost labor.

## The Solution

- **Empowerment** - Equip people to make their own chlorine, whenever and wherever needed, affordably and sustainably.
- **Disease Reduction** - Water chlorination at the point of use reduces diarrheal disease by 50% on average.
- **Reduced Burden of Provision** - Supply shifts from governments and non-profits to the people.



**AQUA**  
RESEARCH

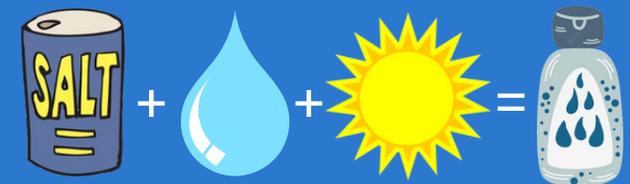


***“Water chlorination is one of the ten greatest public health achievements of the 20th century.”***

*U.S. Centers for Disease Control and Prevention*

## How It Works

The H2gO® Purifier uses salt, water, & energy to make chlorine disinfectant on demand.





# The Safe Water System (SWS)

## Origins

CDC and PAHO developed the highly effective SWS program in 1992. The program includes a 20L jerry can for water storage, diluted bleach to treat water and prevent recontamination, and water safety training.

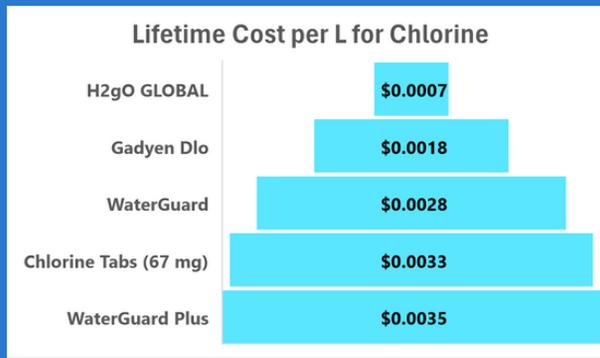
## Results

- **Reduced Disease** - reduces diarrheal disease by 50% or more
- **Reduced Solid Fuel Dependence** - chlorine reduces use of wood, coal, crop waste, and dung for boiling water
- **Cost Savings** - reduces time spent gathering fuels and purchase cost
- **Reduced Pollution** - solid fuels are a principal cause of household air pollution, leading to 3.2 million deaths per year



# Sustainable & Affordable

The H2gO Purifier is the lowest-cost option for point-of-use water treatment – more than **2.5X cheaper than bottled bleach** and nearly **5X cheaper than chlorine tablets**.




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**40 liters per day**

**1 cup of salt per year (< \$0.20)**

**10+ years of safe water**

# Technology Details

- **Long-Lasting** – offers at least 120,000 liters of safe water with no resupply logistics
- **Rechargeable** - 240L per charge
- **Easy** - recharge via onboard solar or USB; no pumping or clogging
- **Effective** – disinfects even cloudy water
- **Proven** – meets standards for WHO Household Water Treatment & Safe Storage and EPA Microbiological Water Purifiers
- **Durable** - designed for rugged conditions

