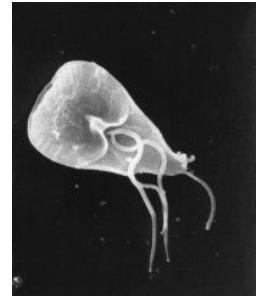
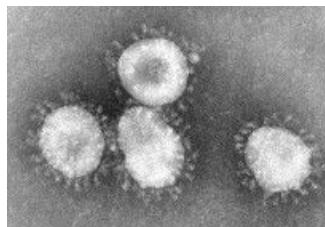
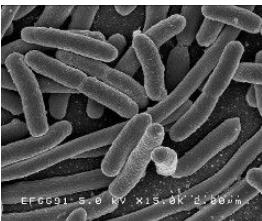
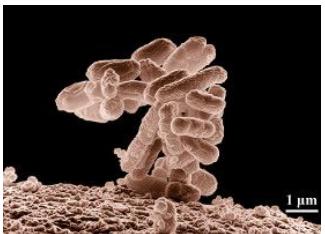




## CHLORINE BLEACH

Healthy people with a healthy immune system can resist a small amount of bacteria. Contaminated water with large amounts of bacteria will make everyone sick. Boiling water for 4 minutes kills all bacteria. 4 Drops of chlorine bleach will kill all bacteria in 20 liters of water. Wait 30 minutes and most of the chlorine will evaporate.



E-coli, E-coli,  
Corona virus, Giardia

EPA Clean Water Standards Maximum Contaminant Levels	
Total Alkalinity	20 – 200mg/L
pH	6.5 – 8.5
Total Hardness	<17.1 mg/L Very soft water 17.1 – 60 mg/L Soft water 80 – 100 mg/L Optimal 60 – 120 mg/L Moderately hard water >120 – 180 mg/L Hard water >180 mg/L Very hard water
Iron	0.3 mg/L
Copper	1.3 mg/L
Lead	0.015 mg/L
Nitrate	10 mg/L
Nitrite	1 mg/L
Chlorine as Cl <sub>2</sub>	4 mg/L

Filtered water should control biological contaminants at 99.9% removal/inactivation



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*Our projects restore clean drinking water systems, dignity and pride.*  
Clean Drinking Water Team is a  
501(c)(3) charity non-profit

# POTABLE WATER



**Clean  
Drinking  
Water  
Team**



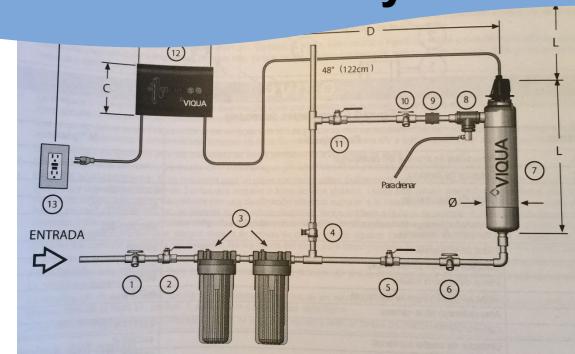
Clean drinking water is vital for survival. Drinking contaminated water leads to illness, disease and eventually, death. When a person becomes sick, that person will be cared for by another person, thereby taking 2 people out of school or work. A sick person can easily transfer their illness to another person in dirty, unsanitary conditions.

Washing food or bathing in contaminated water can also cause serious illness. Access to clean drinking water is one of the most important concerns to a healthy community.



The good news is, water can be tested to verify if it is safe to drink and there are many ways to filter and purify water. Potable water needs to be stored in clean containers to prevent it from being contaminated.

## Clean Drinking Water Team Water Filter & Purification System



The CDWT filter & purification system can produce 40 liters of potable water per minute. It uses a two-stage filter with 5 micron and 1 micron replaceable cartridge filters.

The system also uses a UV (ultraviolet) light purification unit to destroy harmful bacteria and organisms.

Maintenance for the system is very simple. Filters must be changed every 3 months or when filters clog and pressure drops in the system. The UV bulb will work continuously for up to one year until it needs to be changed.



Clean drinking water is usually dispensed via a faucet or sink. Optionally, a bottle filling station can also be connected.

## SYSTEM REQUIREMENTS

We can install a system in about 4 hours. To install a CDWT water filter & purification system you need a reliable water supply with 10psi of pressure, such as city municipal water or an elevated water tank. The system uses 110/220v electricity. The system is installed on a wall, in a space about 1meter x 1meter. We include a 12-month supply of replacement filter cartridges and a replacement UV bulb.



## HELPING COMMUNITIES

CDWT helps communities that do not have reliable access to clean drinking water. Our systems can provide water for up to 800 people. We install wells, pumps, tanks, and water systems. We train locals to maintain and help repair the water systems.