

# WAPIs for the World



## WAPI – Water Pasteurization Indicator

A WAPI is a simple low cost device containing a special harmless wax that helps users determine when water has reached the pasteurization point. Pasteurizing water is to make sure that water for drinking and cooking are free from diseases that are known to cause illness to the human body. For a long time people have been made to believe that water is safe to drink only when we use chlorine or boil for 20 minutes. However, pasteurization is not the same as sterilization – a process where everything including heat resistant spores are killed. Heat resistant spores that survive pasteurization are harmless. Pasteurization at 149°F is way below the boiling point of 212°F. Therefore, drinkable and leaving minerals intact for the body to utilize. It also saves valuable-fuel which is being wasted by excessive heating, deforestation, urban air pollution and other energy-related environmental effects.

### Mission:

A gift of life through clean water!

### Vision:

*To have the ability to assist with safe and healthy water to survive.*

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Un-pasteurized water is responsible for many illnesses and deaths we see worldwide. In developing countries, about 80% of illnesses are linked to poor water and sanitation conditions. Clean and safe water is essential to healthy living. An estimated 1.5 billion cases of diarrhea occur each year during the rainy season resulting in the death of nearly two million children worldwide. 1.3 billion people around the world do not have access to safe drinking water or latrines [www.WHO.org](http://www.WHO.org)



Honduran cooking stove

It has been known since the late 1880s, when Louis Pasteur conducted groundbreaking research on bacteria, that heat can kill pathogenic (disease-causing) microbes. It has been proven that when water is heated to 149°F / 65°C it will kill all disease-causing illnesses that normally affect the human body.

*WAPIs for the World* works hard to help this situation. We educate people about the WAPI and how using it can give them disease free liquids and train them in sanitation procedures. We reach out to help people with their fundamental rights, like having clean water to drink.

*A gift of life through clean water!*

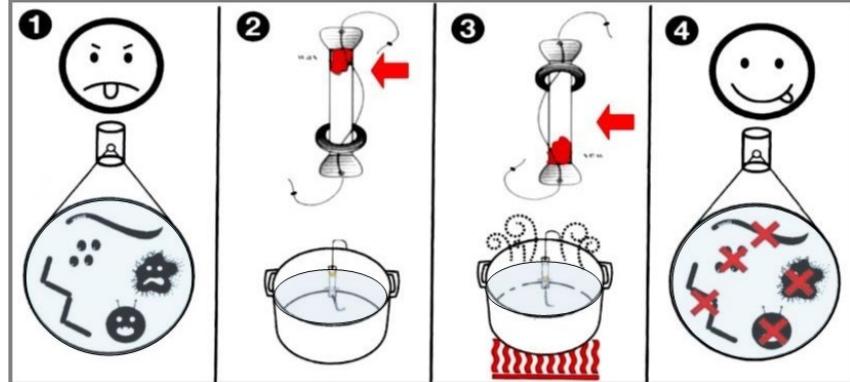
# How and when to use a WAPI!



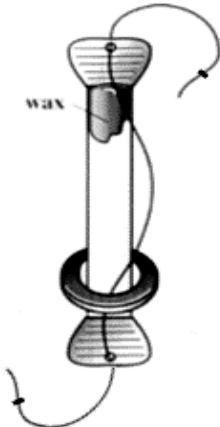
Place WAPI into a pot with wax up and washer down. Bend stainless-steel wire at top of WAPI to fit over the lip of your pan. Pour water into pot or deep pan that is used for cooking and set pot over fire. Cover pot with lid to prevent bugs flying into water while heating. When wax melts it drops to bottom of WAPI. Water is now pasteurized even if water has cooled. Pasteurization occurs when wax sinks to bottom of WAPI.

Before reuse, allow a minimum of 1/2 hour for wax to solidify. This allows the wax to cool for an accurate reading. Turn WAPI over and pull wire through to opposite end. The WAPI is now ready to use again. If you are unsure water is clean, re-pasteurize.

Here is pictured instructions of how to use the WAPI. In many developing countries villagers don't know how to read, so we are now using *Agua Pura Para El Pueblo*'s paper instructions. Thank you, Tom Carter.



## When to use the WAPI!



- Everyone should have a WAPI in their emergency pack.
- When camping, hunting, bicycling or hiking on the back roads.
- When your city says to boil your water, use WAPI water instead.
- WAPIs are used in the process of pasteurizing water as well as other milks.

## WAPIs for the World is building rapidly!

We invite you to be one of our partners. If you have any questions or are interested in making, receiving or donating WAPIs, don't hesitate to contact us. We can help bring WAPIs to your organization, have a workshop in your location, or facilitate a youth project to make WAPIs. We are open to ideas. **Join us in saving the children and their families.**

## How can you help this cause?

- Spread the word about this global effort.
- Deliver and distribute WAPIs to individuals who need clean water to survive in the US and around the globe.
- If you are traveling or know people who travel to other countries entertain the idea of obtaining a package of 50 or more to be distributed to families, individuals, communities and/or ministry organizations. All that is required is one WAPI per family regardless of how many family members. One WAPI can be utilized many times over; it is virtually indestructible. And pasteurized water taste better and is preferred over boiled water.

**WAPIs for the World** is a non-profit 501(c)3 ministry assisting globally with safe and healthy water for survival. WAPI, an acronym for Water Pasteurization Indicator, is needed and used in developing countries and impoverished communities. We teach villagers how to use the WAPI for safe water, and clean sanitation.

**Together we can quench the thirst!**