

# Conquest International LLC

1108 SW 8<sup>th</sup> Street, Plainville, Kansas 67663 USA

Tel: 785 434 2483 or 785 688 4054

Fax: 785 434 2736

E-Mail: [Conquest@ruraltel.net](mailto:Conquest@ruraltel.net)

Internet <http://www.nonelectricdistillers.com/> and [www.EnvirolyteConquestUSA.com](http://www.EnvirolyteConquestUSA.com)

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## **LIFE SAVER® Non-Electric Steam Water Distiller Kit**

Featured 27 June 2011 on *the Dr. Prepper Show* -- Preparedness Radio Network

To view and hear, click-on <http://www.blogtalkradio.com/doctorprepper/2011/06/28/doctor-prepper-show-06-27-2011>

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Conquest International is the manufacturer of the *Life Saver* Non-Electric Steam Water Distiller Kit.

The *Life Saver* Distiller Kit was introduced to the market just at the time of the 1999 Turkish Earthquake Disaster, which graphically illustrates the need for Emergency/Disaster Preparedness Pre-Planning to provide an Alternative Means of Water Purification in advance of the time disaster strikes.

On 11 September 2001, the need for Emergency/Disaster Preparedness was forcibly brought to the attention of the American Public with the destruction of the World Trade Towers and damage at the Pentagon.

Then came the Indian Ocean Tsunami Disaster on 26 December 2004, followed by hurricane Katrina in 2005, the Haiti Earthquake on 12 January 2010, and then the Triple Disaster of an Earthquake, Tsunami and Nuclear Power Plant Damage that hit Japan on 11 March 2011.

The *Life Saver* Water Distiller has been developed as a Build-it-Yourself Non-Electric Steam Water Distiller to provide the capability of producing a significant amount of Pure Distilled Water each day, with particular application in Emergency/Disaster Preparedness, Humanitarian Relief Operations, Travel in Remote Areas and Daily Village Living in developing nations.

With the Life Saver Water Distiller Kit you can produce your own Pure Distilled Water where there is no electrical power available.

The Life Saver Water Distiller is designed for both Normal Day-to-Day Living, for use inside and outside the house, for camping, other outdoor uses, and in Emergency/Survival Situations where potable water or bottled water is not available for cooking and drinking.

All you need is a:

- Boiling Chamber [Pressure Cooker].
- Source of Heat.
- Supply of water to be purified.

The Life Saver Distiller is over 99.9% effective in killing bacteria and other microbial organisms and in removing all types of pollutants from any type of contaminated water; including Raw Sea Water -- or Sewer Water, if necessary.

The Life Saver Distiller Kit weighs less than 1 Kilo [2.2 pounds] and can be stored in a minimum amount of space when not in use.



Life Saver Stainless Steel Multi-Purpose Steam Pot with Condensing Coil, Charcoal Post-Filter, Hook-Up Tubing and Accessory Items for the Life Saver Distiller Kit.

For the most rapid production of Distilled Water, the Life Saver Water Distiller uses 10 feet of 316L Stainless Steel Tubing in its condensing coil, which is more than is used in most Household Electric Water Distillers.

The Life Saver Distiller uses Food Grade 316L Stainless Steel in the Condensing Coil to prevent the leaching of hazardous metals into the Distilled Water which will occur if the Condensing Coil is made of Copper or Aluminum.

With the Life Saver Distiller Kit, you will never be without the *ONE* absolutely essential element that is required to sustain life -- *WATER!*

Applications Include:

- Families in villages of developing nations.
- Missionary and Other Humanitarian Outreach Activities.
- Emergency Preparedness and Disaster Relief:

Terrorism	Earthquakes	Typhoons	Ice Storms
Blizzards	Volcanic Eruptions	Floods	Tornadoes
Aviation and Ocean Disaster/Survival Situations			

The Life Saver Water Distiller easily purifies ALL Types of Contaminated Water, including Raw Ocean Water.

The Life Saver Distiller has no moving parts and does not require electricity. Steam Water Distillation is the Single-Most Effective Method of Water Purification and overcomes ALL of the limiting factors of Chemical Treatment, Filtration, Boiling and Reverse Osmosis (RO).

Steam Water Distillation KILLS all forms of biological organisms in Raw Untreated Water, whereas Filtration and Reverse Osmosis (RO) TRAP but DO NOT KILL bacteria, viruses and other micro-organisms.

Steam Distillation is the simple process of REMOVING WATER (Steam) from contaminants, versus the unnecessarily complicated methods of Chemical Treatment, Reverse Osmosis (RO) and Other Types of Filtration to REMOVE CONTAMINANTS from water.

Also of major significance, is the fact that under NSF Standard 58, Steam Distillation is the only stand-alone process for removal of arsenic from water.

With a Life Saver Distiller, there are no expensive filters to replace -- as is the case with water treatment systems that rely on Filtration and Reverse Osmosis (RO).

Sources of Raw Untreated Water:

- Wells. Springs. Lakes. Ponds. Rivers. Streams. Canals. Ocean. Swimming Pool.
- Pre-Positioned Stockpiling of Raw Untreated Water in: Storage Tanks. Cisterns. Barrels. Bath Tubs. Laundry Tubs. Utility Sinks. Bottles. Buckets. Pots and Pans.
- Existing Household Sources of Water Include: Water Beds. Water Heaters. Toilet Flush Tank.

The Life Saver Water Distiller easily purifies ALL Types of Contaminated Water, including Raw Ocean Water.

The Life Saver Water Distiller is designed to be used with a pressure cooker as the boiling chamber in which to heat raw contaminated water to produce steam vapor that rises and flows into the condensing coil to cool and liquefy as Pure Distilled Water.

All that is needed is a source of heat, of which there are many, including:

- Any Type of Cook Stove [Gas, Wood, Electric].
  - Wood/Coal Heating Stove.
  - Camping Stove.
  - Fireplace or Outdoor Camp Fire.
  - Charcoal Grill.
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**Life Saver Non-Electric Water Distiller \$195**

By using a Pressure Cooker as the boiling chamber, the *Life Saver* is a Closed System in which 100% of the Steam Vapor is condensed into Pure Sterile Distilled Water -- unlike the *Survival Still* and *Waterwise 1600* Non-Electric Distillers that leak steam between the Boiling Pot, Steam Diverter and Collection Plates.



**Survival Still \$279**



**Waterwise 1600 \$449**

The Diverter Plate of the Survival Still and Waterwise 1600 do not make a tight seal with the rim of the Boiling Pot which allows Steam Vapor to escape into the atmosphere instead of being captured and condensed into distilled water. Likewise, the other open areas of the Steam Diverter and Distilled Water Collection Plate allow Steam Vapor to escape.

## BOILING, CHEMICAL TREATMENT and FILTRATION

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The Life Saver Water Distiller easily purifies ALL Types of Contaminated Water, including Raw Ocean Water.

Under virtually any conditions, regardless of where a person lives in the world, they have access to some sort of container in which to boil water as the means of killing Bacteria and Other Biological Organisms and making the water safe for drinking.

However, boiling should only be used as a means of water treatment in a dire emergency survival situation of short duration.

Boiling, Chemical Treatment and Filtration are all effective methods to be considered, but can be potentially detrimental to your health if resorted to for a prolonged period of time as the only source of potable water.

Boiling the water can be fairly effective in killing biological organisms, but it has 2 serious drawbacks:

1. The Pure Distilled Water that you need to capture escapes into the air as Steam Vapor.
2. The water that remains behind actually becomes more and more concentrated with Organic and Inorganic Contaminants.

For example, if your tap water has 12 parts per billion of Lead [which is under the U.S. EPA Limit] and you boil 25% of the water away, you will be left with 15 parts per billion of Lead in your water -- which is over the EPA Limit.

Prolonged boiling will kill Biological Organisms, but does not remove other contaminants such as Heavy Metals, Hardness Minerals, Nitrates, Salt and Radioactive Particles.

As you continue to boil the water to kill the biological contamination, the level of Inorganic Contaminates grows steadily higher, with the Pure Sterile Water being totally wasted by escaping as steam vapor into the atmosphere, leaving behind a higher and higher concentration of Hard Water that undoubtedly exceeds some of the EPA limits for human consumption.

In summation: Boiling, Chemical Treatment and Filtration are suitable only for Emergency/Survival Situations as temporary methods of producing Potable Water, but are not suited for long term consumption.

In your lifetime, you consume approximately 450 Pounds of Inorganic Minerals from the water you drink.

This sludge and scale can settle in your vital organs, causing all kinds of health problems.

All of this sludge and scale can be avoided by using distilled water for cooking and drinking.

## DISTILLER KIT COMPONENTS



The Life Saver Water Distiller Kit consists of the following components:

1. Extra High Capacity Spiral Condensing Coil.

10 feet of 3/8" Medical/Food Grade 316L Stainless Steel Seamless Tubing coiled into 7 loops.

Overall Height of Coil: 12 inches [30.48 centimeters].

Coil Diameter: 5.5 inches [13.97 centimeters].

2. Medical/Food Grade High Temperature Flexible Vinyl Tubing: 1 piece. Length: 2 feet [62.2 centimeters].
3. Adjustable Stainless Steel Clamps: 2
4. Grommet Seals: 2
5. Activated Carbon [Charcoal] Post-Filter: 1

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## NON-KIT ITEMS TO BE SUPPLIED BY USER

Everything is furnished in the Do-It-Yourself Life Saver Distiller Kit – except for the following items that must be provided by the User:

1. A 5 gallon plastic bucket in which to install the Stainless Steel Condensing Coil.
2. A Pressure Cooker to be used as the Boiling Chamber.



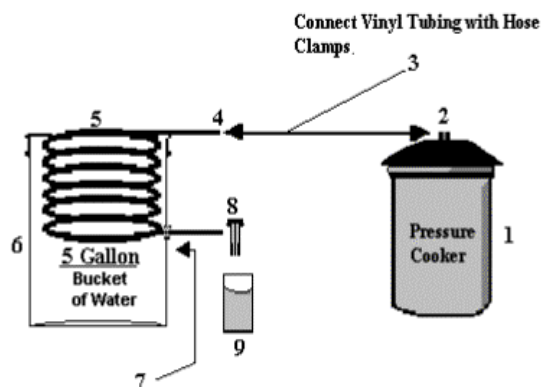
For customers who don't already have a pressure cooker, Conquest offers the 10 liter Life Saver Stainless Steel Pressure Cooker which is manufactured for Conquest as a custom-designed unit for use as the boiling chamber for the Life Saver Distiller Kit. The pressure cooker can also be used in its normal role for food preparation.



In the above photo, the Life Saver 10 liter Stainless Steel Pressure Cooker is being used as the Water Distiller Boiling Chamber for the Life Saver Distiller shown hooked-up with vinyl tubing to the condensing coil with a Collapsible Volcano Stove used as the Heat Source.

For Maximum Cooling and the Most Rapid Water Production Rate, the Condensing Coil is immersed in a bucket of water to dissipate the heat and condense the Steam Vapor into Pure Distilled Water.

### SCHEMATIC OF LIFE SAVER DISTILLER KIT



1. Pressure Cooker [Boiling Chamber].
2. Pressure Cooker Vent Pipe which is normally used for the Pressure Regulator Weight.
3. Medical/Food Grade High Temperature Flexible Vinyl Tubing to connect Pressure Cooker to Condensing Coil.
4. Condensing Coil Inlet.
5. Condensing Coil.
6. 5 gallon plastic bucket filled with Raw Contaminated Water to act as a "Heat Sink" to cool and condense the Steam Vapor into Pure Sterile Distilled Water.
7. Condensing Coil Outlet.
8. Activated Carbon [Charcoal] Filter installed on Discharge Outlet of Condensing Coil.
9. Sterile Container for collection of Distilled Water.

## HOW DOES THE LIFE SAVER DISTILLER WORK?

The condensing coil is installed inside the plastic bucket, with the discharge tube of the coil extending through the lower side of the bucket using a grommet seal that keeps water from leaking out of the bucket.

An Activated Carbon [Charcoal] Post-Filter is installed on the end of the coil discharge tube to dissipate volatile gases that may be carried with the steam from the boiling tank into the condensing coil.

The bucket is filled with raw untreated water which surrounds the condensing coil to act as a “Heat Sink” in dissipating the heat in the steam, condensing the steam into Pure Distilled Water.

The Boiling Chamber [Pressure Cooker] is connected to the condensing coil by the flexible vinyl tubing, which is secured at each end by stainless steel adjustable clamps that are furnished in the distiller kit.

The Boiling Chamber is filled with raw untreated water and placed over a source of heat.

The contaminated water is brought to a boil to produce Steam Vapor.

The Steam Vapor rises into the vinyl tubing and flows through the condensing coil where the surrounding water in the plastic bucket cools the Steam Vapor in the condensing coil causing the Steam Vapor to liquefy as Pure Distilled Water.

The Distilled Water exits the condensing coil through the discharge tube and flows through the Activated Carbon Post-Filter into a sterile collection container to provide Safe Pure Distilled Water for Drinking and Cooking.

With the Distilled Water stored in a suitable container in which both the container and its cap were sterilized before filling, the Distilled Water will not become re-contaminated and will remain indefinitely as Pure Distilled Water.

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## WATER PRODUCTION RATE

For the most rapid production of Distilled Water, the Life Saver Water Distiller uses 10 feet of Medical/Food Grade 316L Stainless Steel Tubing in its condensing coil.

By using a pressure cooker as the Boiling Chamber, the Life Saver distiller is capable of producing Pure Distilled water at the rate of up to 1 ounce per minute -- which is a faster production rate than with a Conventional Household Electric Water Distiller.

The actual production rate achieved in a particular situation depends on the source and intensity of the heat used to boil the water.

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## DISTILLATION PROCESS

The Life Saver Water Distiller replicates Nature's Distillation Process -- the Hydrologic Cycle -- where steam vapor rises from the earth's oceans, lakes and streams into the atmosphere, cooling and condensing into supposedly pure water that falls back to the earth's surface as Rain, Snow, Sleet and Hail.

In reality, such precipitation from the atmosphere becomes contaminated from man-made pollution in the atmosphere -- including radioactive particles such as Strontium 90.

In addition, as Rain Water runs off the roof or other collection surface, such water becomes further polluted with Dust, Bird Droppings, Asphalt, Asbestos and Fiberglass Roofing Compounds and Other Potentially Hazardous Materials -- as well as Dirt, Debris and Biological Organisms that are found in virtually every cistern or other type of water storage tank.

Thus the need has been created for a Mechanical Steam Water Distiller to provide peace of mind that the water you use for cooking and drinking is indeed Pure Distilled Water that you have produced yourself and are therefore assured of its purity.

The solution is a Life Saver Non-Electric Distiller of your own.

With your own Life Saver Distiller, you have direct control over your water supply with complete assurance that you are consistently drinking and cooking with clean, fresh, pure water -- versus not knowing the true condition of Raw Well Water, Commercial Water [Tap and Bottled] or Rain Water collected in a Cistern or Other Storage Tank.

A Life Saver Distiller Kit is a great low-cost insurance policy, which can save lives in a true emergency.

With a Life Saver Distiller, you will never have to worry again about storing bottled water for an emergency, or have to monitor the useful shelf-life of commercial bottled water.

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Any source of heat may be used with the Life Saver Distiller Kit, including an open camp fire with a metal grate to elevate the pressure cooker.

With an open camp fire or in a fireplace, you need to prevent the flame from coming in contact with the vinyl connecting tubing or plastic handles on the pressure cooker.

An excellent source of heat is propane or butane burners.

For sources of such burners see the following web sites:

[http://www.northerntool.com/shop/tools/product\\_200405754\\_200405754?issearch=75402](http://www.northerntool.com/shop/tools/product_200405754_200405754?issearch=75402)

[http://www.northerntool.com/shop/tools/product\\_200317038\\_200317038?issearch=33698](http://www.northerntool.com/shop/tools/product_200317038_200317038?issearch=33698)

[http://www.coleman.com/coleman/colemancom/category\\_main.asp?categoryid=2000](http://www.coleman.com/coleman/colemancom/category_main.asp?categoryid=2000)

<http://www.campchef.com/catalog.html>

The Life Saver Distiller Kit produces up to 1 ounce per minute of Distilled Water -- which is a faster production rate than with a conventional electrical steam water distiller in which the heating element is immersed in the water that is being distilled.

A gallon of water contains 128 ounces so it will take around 2 hours and 8 minutes to produce a gallon of distilled water.

A Stair-Step Installation works best, with the pressure cooker at the highest level.

The bucket of water with the condensing coil can be at essentially the same height as the pressure cooker, with the collection container for distilled water being at a lower level.

For a Stair Step Installation, some people use a Folding Step Stool upon which to sit the cooling bucket and collection container.



The cooling bucket is placed on the top step, and the collection container on the lower step.

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### **CONSIDER THESE FACTS**

Not only is our drinking water supply polluted, but there is in fact a shortage of Potable Water.

Some U.S. City and County Public Water Works are already recycling sewer water to produce drinking water.

El Paso, Texas and Orange County California treat sewage water for drinking by injecting it into the Ground Water. Tampa Bay, Florida is considering such reclamation.

Thus far, only northern Virginia uses a system that introduces treated sewage water into Surface Water. San Diego also proposes to do so. [Source: *Water Technology Magazine*, January 1999].

Also of potentially serious consequence are the increasing number of Terrorist Threats that are being made to poison our city and military water supplies with chemical and biological agents.

## Has the Boom in Natural Gas Drilling Contaminated US Water Supplies?

There are increasing reports of tap water that ignites and burns -- and even an explosion of a water well in areas where drilling for Natural Gas takes place with injection of harmful chemicals into our water aquifers.

While there are skeptics who maintain that such occurrences are mere unrelated happenstance in areas where Natural Gas Wells exist, there are those who don't believe it is just a coincidence that they have experienced flammable gases in their water supplies and health problems in humans and animals

Among the chemicals that have been identified in tap water and well water are Volatile Organic Compounds [VOC] such as Benzene, Toluene, Ethyl Benzene, Xylene and Other Cancer-Causing Carcinogens.

Indications are that our water aquifers are becoming contaminated from the injection of toxic chemicals into the ground in the drilling of Natural Gas Wells.

In 2005, Congress passed a law exempting oil and gas companies from environmental regulation under the Safe Drinking Water Act and Clean Air Act.

Consequently, oil and gas companies do not have to disclose what chemicals they are injecting in the ground in a process called "Fracking" which creates mini-earthquake fractures in the earth's strata of rock formations and soil to increase the extraction of Natural Gas.

For further information, see:

<http://www.propublica.org/article/buried-secrets-is-natural-gas-drilling-endangering-us-water-supplies-1113>

<http://www.commondreams.org/newswire/2010/09/10-8>

<http://www.ombwatch.org/node/3847>

<http://www.youtube.com/watch?v=dZe1AeH0Qz8>

<http://www.pbs.org/now/shows/613/index.html>

All sources of water in the US are becoming increasingly polluted with toxic chemicals, heavy metals and microbial contamination ranging from the presence of Pesticides, Fertilizer and Fracking Chemical Compounds in our Aquifers, and dumping of Raw Sewage, Decaying Garbage, Animal and Poultry Offal into our Rivers and Lakes.

**The use of a *Life Saver Non-Electric Steam Water Distiller* solves the ever-increasing problem of water contamination, giving you peace of mind that you have Safe Pure Water for Drinking and Cooking.**

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## SPECIAL DISCOUNT PRICING

The Manufacturer's Suggested U.S. Retail Price for the Life Saver Distiller Kit is \$210, with a 5 Year Limited Warranty on the 316L Stainless Steel Condensing Coil.

The Life Saver Distiller Kit is presently being offered at a Special Discount Price of \$195 plus \$15.95 Shipping, Handling and Insurance for delivery to any address in the 48 Continental US States or Military Overseas APO/FPO addresses.

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The Manufacturer's Suggested U.S. Retail Price for the Life Saver 10 liter Stainless Steel Pressure Cooker is \$240 with a 5 year limited warranty.

The Life Saver Stainless Steel Pressure Cooker is presently being offered at a Special Discount Price of \$215, plus \$19.95 Shipping, Handling and Insurance for delivery to any address in the 48 Continental US States or Military Overseas APO/FPO address.

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If the Life Saver Pressure Cooker and Life Saver Distiller Kit are ordered at the same time, both units will be packed in one box to save on shipping costs which is \$27.95 for delivery to any address in the 48 Continental US States or Military Overseas APO/FPO addresses.

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The 316L Stainless Steel Condensing Coil is available by itself for \$140. Shipping, Handling and Insurance is \$10.95 for delivery to any address in the 48 Continental US States or Military Overseas APO/FPO addresses.

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In addition to the 10 liter Life Saver Stainless Steel Pressure Cooker, we also offer All American Cast Aluminum Pressure Cookers/Canners that can be used as the boiling chamber for the Life Saver Distiller Kit, or in their normal role as a Pressure Cooker/Canner.

**ALL AMERICAN®**



All-American Pressure Cookers/Canners feature an exclusive, precision-machined Metal-To-Metal Sealing System with positive-action clamping locks that align the cover to the base forming a Steam-Tight Seal. Since the seal does not use a gasket, the cover can be easily opened and closed.

All-American Pressure Cookers/Canners make it easy to can fish, meat, vegetables and fruits as the only method the USDA recommends for low-acid foods.

Conquest pricing for All-American Pressure Cookers/Canners is as follows:

Model	Capacity	Conquest Discount Price	Shipping, Handling and Insurance
910	10.5 quart	\$260	\$30
915	15.5 quart	\$278	\$34
921	21.5 quart	\$301	\$37
925	25 quart	\$320	\$39
930	30 quart	\$376	\$57
941	41.5 quart	\$543	\$63

Pricing is FOB Factory or Plainville, Kansas to which Shipping and Insurance must be added.

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Orders may be placed by Phone, Fax or E-Mail with payment by PayPal or Credit Card [Discover. MasterCard. Visa].

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