



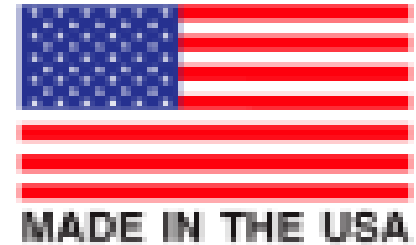
## GEYSER Heat Pump Water Heater



THE most efficient way to heat  
water on the market today!

[www.northrdt.com](http://www.northrdt.com)

# Made in the USA



- **US based green technology and manufacturing jobs. The Geyser is based on more than 30 years of design and manufacturing expertise that was developed right here in the US. The company is located in Connecticut, manufacturing is in Maine and most of our suppliers are based in the US as well.**

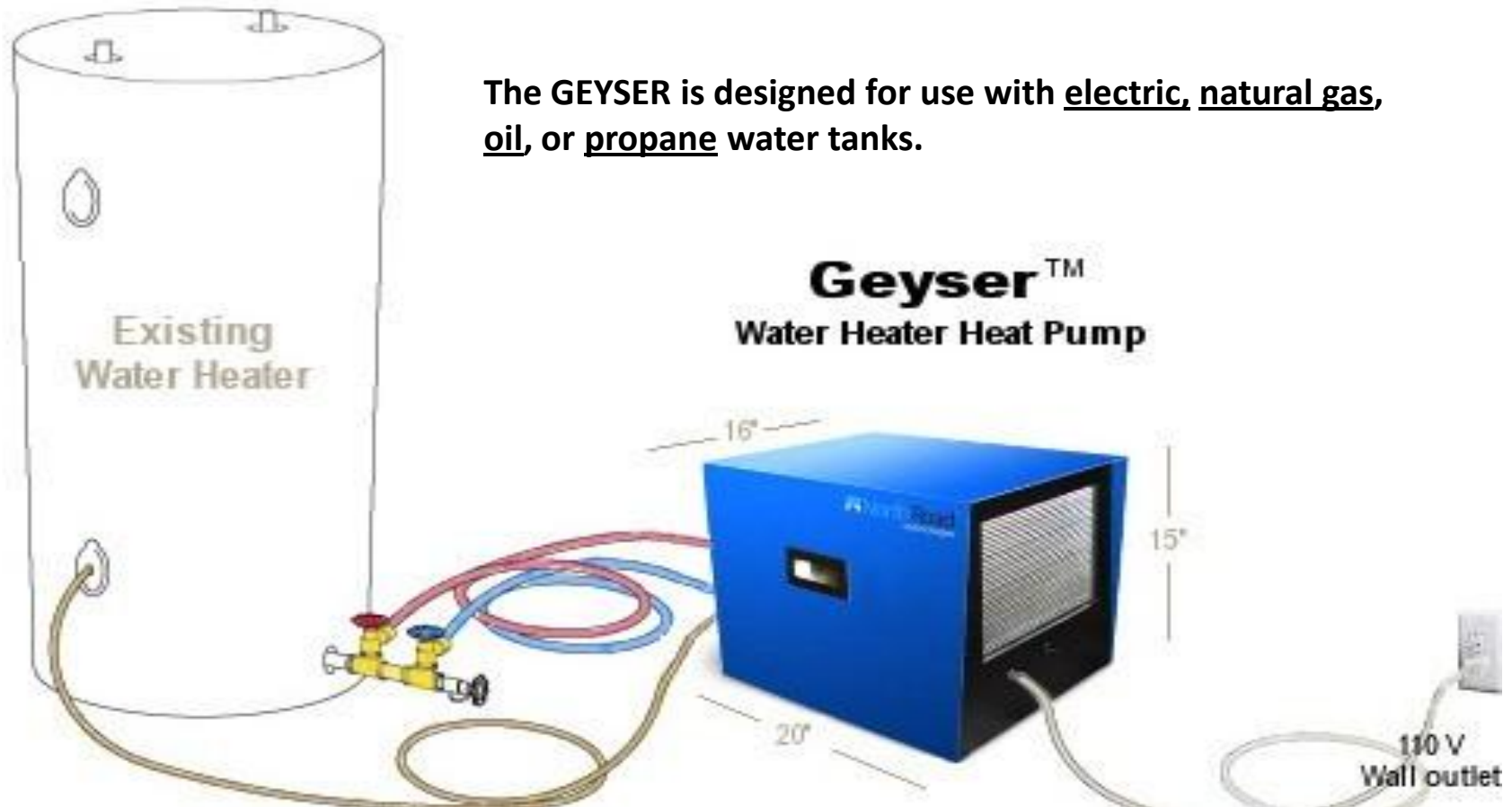
**We have invested significant resources into the design and efficiency of the units, and we will continue to invest our resources to provide the most efficient systems for heating water in the future. When you choose the Geyser, you directly support **US green manufacturing jobs** and ongoing innovation in **green technology!****

**North Road Technologies and the Geyser – **Naturally Hot Water****

# What is the GEYSER?

The GEYSER is an add-on Heat Pump Water Heater that works with your storage tank. The GEYSER heats water using a **renewable energy source (AIR!)** to heat the water instead of the heating element in the tank, saving up to 50% of the cost of heating water!

The GEYSER is designed for use with electric, natural gas, oil, or propane water tanks.

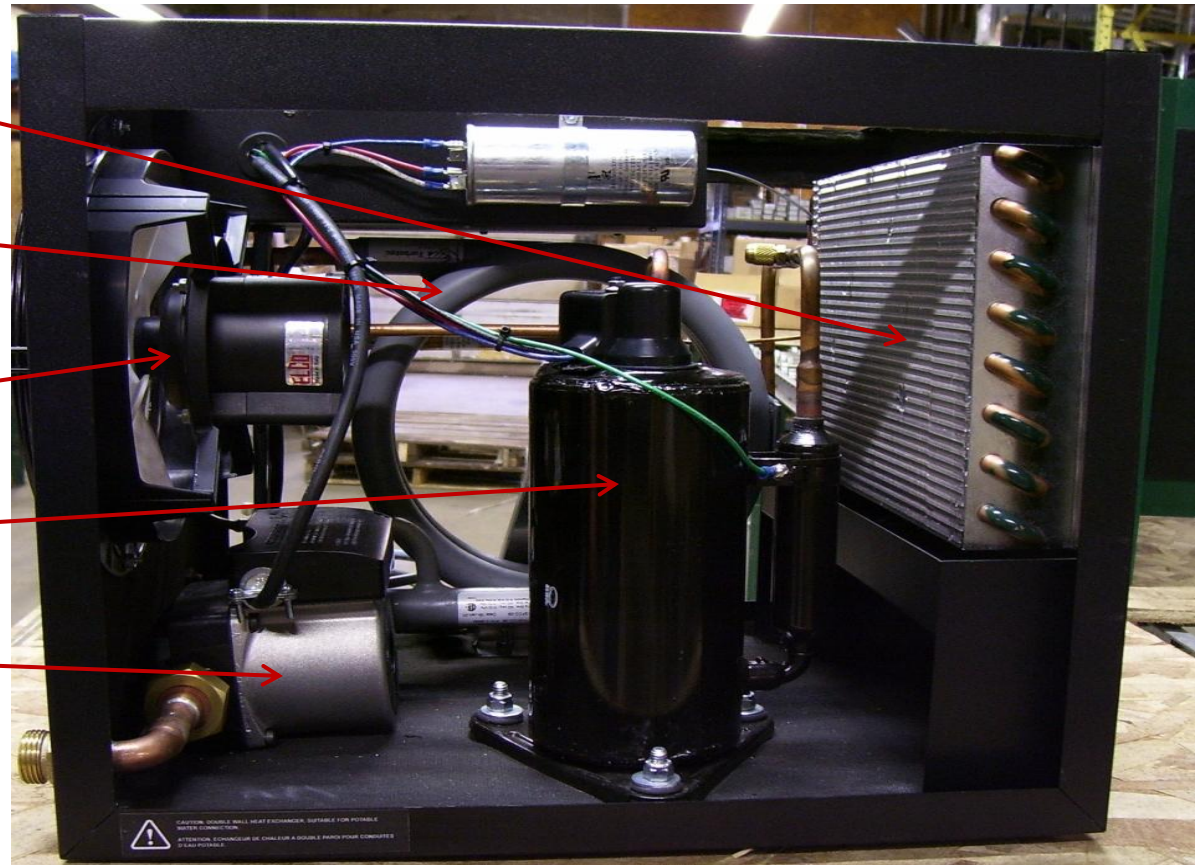


# How does it work?

- **How does it save so much energy?**
  - A typical (electric) water heater uses about 1.0 unit of energy (electricity) to generate 0.9 units of heat.
  - The GEYSER in a typical set-up uses about 1.0 unit of energy (electricity) to generate 2.8 units of heat.
  - This difference translates into energy savings of 50%+ over a standard electric water heater.
- **How does it heat the water in your tank?**
  - The Geyser uses a pump to draw water from the storage tank.
  - This water runs through the heat-exchanger in the Geyser, picking up heat.
  - It is then pumped back in to the tank for use.
- **How do I install it?**
  - The Geyser can be placed next to the tank or in another room.
  - It comes with a kit to connect it to the tank.
  - It plugs into a regular electric outlet.
  - It can use the air in the room or you can duct air to or from the unit from up to 20 feet away.

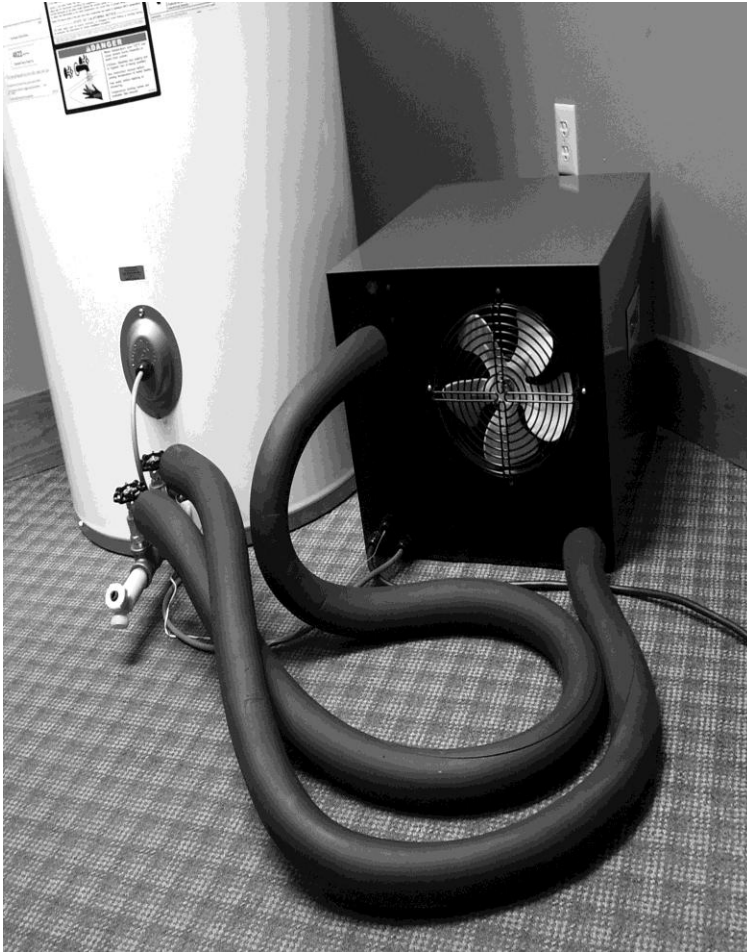
# A closer look at the GEYSER

- Evaporator
- Heat Exchanger (condenser)
- Fan
- Compressor
- Pump



# The GEYSER Connected to an electric tank

**Geyser next to tank**



**Geyser mounted in a closet**



# **GEYSER Benefits**

- **The most efficient way to heat water on the market today: Energy savings of at least 50% versus traditional electric tank, reducing your monthly expenses!**
- **In addition to Heating Water, GEYSER dehumidifies and cools surrounding air, allowing many customers to eliminate use of their dehumidifier and save even more!**
- **Energy savings and use of renewable energy source (ambient air) means the GEYSER helps reduce your CO2 emissions and helps us minimize global climate change.**
- **Other Benefits:**
  - **Qualifies for 30% US Federal Tax Credit, up to \$1,500.**
  - **The GEYSER is safe and reliable.**
  - **GEYSER is UL listed, required by insurance companies.**
  - **Vented heat exchanger to meet local and national safety codes.**
  - **Fail safe design ensures hot water at all times.**
  - **Suitable for 40-120 gal. residential or light commercial water tank.**
  - **Fast recovery and first hour heating.**
  - **Engineered for flexible and easy installation.**
  - **Virtually maintenance free.**
  - **5-year limited warranty.**

# **GEYSER specifications**

- **Energy Efficiency: 2.3 at tank temperature of 120°F, translating in energy savings of 50% +**
- **Default tank temperature setting is 120°F (49° C) in accordance with DOE.**
- **Temperature adjustable from 90-140° F (32-60° C).**
- **First Hour Rating: 64 gallon (242.3 Liter) first hour rating based on 50 gallon tank.**
- **Recovery rate: 14.5 gal/hr @ 120°F tank temperature with 60°F water supply.**
- **Compressor: 6,000 BTU/hr (1,750 Watts). Note: less is better as it translates in less energy used.**
- **115 Volt/60hz for easiest installation.**
- **5-10 Amp draw (suitable for any 110 volt household outlet).**
- **Dimensions: 16" (40.6 cm) width x 15" (34.6 cm) height x 20" (46.2 cm) depth.**
- **Shipping weight 73lbs.**
- **Sound rating: 61db.**
- **Durable coated steel outer shell for years of trouble free service.**
- **QPS/SGS Listed (UL-1995 / CSA C22.2 No. 236).**



# Who can use it?

- **Virtually any home, condo, apartment, or light commercial installation:**
  - Retrofit to nearly any residential hot water tank (electric, oil, natural gas or propane)
  - Retrofit to water tanks used in restaurants, fast food chains, small offices stores, etc. adding cooled, dehumidified air to kitchens and other workspaces, relieving need for air-conditioning
  - In comparison: The annual US domestic sales of water heaters is around 9 million units, incl. 3.5 million electric, 3.2 million gas and 2 million others
- **GEYSER can be self-installed or professionally installed.**
- **Utilities and electric coops will provide financial incentives (subsidies, rebates, etc.) or engage in co-marketing activities with our reps and dealers (these activities require longer ramp-up times)**
- **Other sales opportunities include: Water heater rental programs, military housing privatization programs and others.**
- **In addition to the Federal tax credit, many states and local governments have financial incentives in place as well.**

# **GEYSER Summary**

- Heat Pumps are a **proven technology** to save a large amount of energy in water heating and other applications. It is seen by experts as a key technology in our efforts to increase our energy independence and reduce carbon emissions.
- The GEYSER is the **most efficient Heat Pump Water Heater on the market** in North America today!
- Savings of at least 50% over traditional water heating systems.
- Geyser can be installed on any existing or new water tank including oil, natural gas, and propane, heated units.
- The GEYSER **qualifies for the federal tax credit** and other local subsidy and rebate programs.
- In addition to Heating Water, GEYSER **dehumidifies and cools surrounding air**, allowing many customers to eliminate use of their dehumidifier and save even more!
- Large market that includes the majority of residences and a large share of the small commercial markets (annual U.S. domestic sales of water heaters is around 9 million units, incl. 3.5 million electric, 3.3 million gas and 2 million others).



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