

# RECOMMENDATIONS FOR THE INSTALLATION OF A TANKLESS WATER HEATER FOR HIGH TEMPERATURE USE



## INSIDE THE WATER HEATER

**A # 8 wire is required for connecting the water heater to the subpanel**

- **L1 BLACK** Element 1 connects to the double 40 A breaker in the small sub panel
- **L1 RED** Element 1 connects to the double 40 A breaker in the small sub panel
- **L2 BLACK** Element 2 connects to one of the twin 40/40 A breaker on the outside
- **L2 RED** Element 2 connects to one of the twin 40/40 A breaker on the outside
- **L3 BLACK** Element 3 connects to one of the twin 40/40 A breaker on the inside
- **L3 RED** Element 2 connects to one of the twin 40/40 A breaker on the inside
- **1 GROUND WIRE (FROM THE WATER HEATER TO THE SUB PANEL)**

**\*\* THE THE SUB PANEL IS FURNISHED WITH THE WATER HEATER**

## **ON THE ELECTRICAL BOARD**

- 1.- On the electronic board you will find a jumper for adjustments.**
- 2.- 2 jumpers are necessary: one must be placed on the 5.5 kW connector and the other one must be placed on the 180 °F pins.**
- 3.- You can set the temperature between 170 and 180 °F for best results.**

## **Warning**

## **Important**

**Before turning on the electricity, you need to start your washing system to fill the entire unit with water. Let the water run for at least 2 minutes, this operation is necessary in order to remove air from the system to avoid damage to the heating elements. Afterwards you can turn on the power to the unit.**

## **Turn on the current**

**Install the amp meter and check the total maximum current drawn. Verify the temperature of water entering the water heater or at the outlet of the hot water tank.**

**With a temperature differential of 40 °F between the input and output, only 2 elements will be working at 100%. The third element will heat when the temperature of the water in the tank drops below 140 °F.**

**With a differential of 60 °F the heater will be at its maximum capacity of 3 gallons per minutes.**

## **EXAMPLE:**

**If the water in the 40 or 60 gallon tank is colder.**

**If the water is at 120 °F in the tank at this moment you can put the tankless water heater at 180 °F and start the washing system.**

**The electrician or the plumber will install the amp meter on the third element (the one on the left) and slowly close the water valve located before our water heater just until it falls slightly (modulation starts).**

**At this moment the water heater is adjusted to its full performance.**

**If you are not sure about the adjustments, you can contact us at 1-888-955-0733 from 8.30 am to 5 pm**

## **PLUMBING**

**We recommend copper pipe only for safety at high temperature.**

**Do NOT use plastic pipe.**

**If you do the warranty is void and we are not responsible for any damage.**

**For the plumbing connection, the plumber must install quick connects just before the water heater, and a shut off valve in case there is a need for a repair or an adjustment.**

**A strainer, installed just before the water inlet of the water heater is recommended to remove any dirt from a well or from city water.**

**Following all instructions your system will operate safely.**

**YOU ARE READY TO TRY IT NOW!**

**If you need support or information about our product please call**

**1-888-955-0733**