



Operation and Installation Manual



Featherweight Aquabooster Water Storage Tank

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To fully understand the purchaser's responsibilities for installing the water heater, please read the warranty.



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SAFETY INFORMATION

WARNING / CAUTION

1. Tank is to be completely filled with water and all air is to be vented before energizing. Do not turn on the water heater if cold water supply shut off valve is closed.
2. Due to the rigors of transportation, all connections should be checked for tightness before the heater is placed in operation.
3. The safety temperature and pressure relief valve must be installed in tapping provided.
4. The unit is designed to operate at pressure not more than 150 psi.
5. Generalized instructions and procedures cannot anticipate all situations. For this reason, only qualified installers should perform the installations. A qualified installer is a person who has licensed training and a working knowledge of the applicable codes regulation, tools, equipment, and methods necessary for safe installation of an electric resistance water heater. If questions regarding installation arise, check your local plumbing and electrical inspectors for proper procedures and codes. If you cannot obtain the required information, contact the company.
6. In the event of overheating, fire, flood, or physical damage, turn off all power to your water heater. Do not power up the heater until it has been examined by a trained professional.
7. Do not store or use gasoline or other flammable vapors and liquids, such as adhesives or paint thinner, in the vicinity of this water heater. If such flammable materials must be used near the unit, open nearby doors and windows to allow for ventilation.
8. California law and other states require that all new and replacement water heaters, and all existing water heaters, must be braced, anchored, or strapped to resist falling or horizontal displacement due to earthquake motion. At a minimum, any water heater shall be secured in accordance with the California Plumbing Code.

GENERAL INFORMATION

PLEASE READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING WATER HEATER

Vaughn Thermal Corporation (herein called the Company) specifically does not expressly or impliedly warrant the merchantability or the fitness for any particular purpose or the performance of the heater within that system, nor does it assume liability for any consequential damage to general property or other components of the system.

This appliance is designed to supply hot water when combined with a tankless coil boiler in the tank at pressures not more than 150 psi. The Featherweight Aqua Booster storage system is connected directly through a circulator to the tankless heating coil in the heating boiler. As water is used, a thermostatic control calls for heat, water is circulated through the boiler coils and returned to the storage system. In this process, the system ensures consistent water temperature. The water heating source piping and components connected to the tank must be suitable for potable water use. TOXIC chemicals such as for boiler treatment must not be introduced into the tank.

The design anticipates the proper installation and care in use of the product. There is a risk of property damage and personal injury inherent in the use of any hot water system. The Company cannot supervise the installation and therefore makes it a specific condition of the warranty that the customer will supervise the installation and use of this product to be sure they are performed in accordance with these instructions, as well as safe industry guidelines and proper local or national codes.

Generalized instructions and procedures cannot anticipate all situations. For this reason, only qualified installers should perform the installation. A qualified installer is a licensed person who has appropriate training and a working knowledge of the applicable codes, regulations, tools, equipment, and methods necessary for safe installation of a boiler system and an indirect water heater.

An installation checklist has been provided to help the customer ensure that all procedures for a safe installation have been followed.

If questions regarding installation arise, check with your local plumbing and electrical inspectors for proper procedures and codes. Local codes take precedence over instructions in this manual.

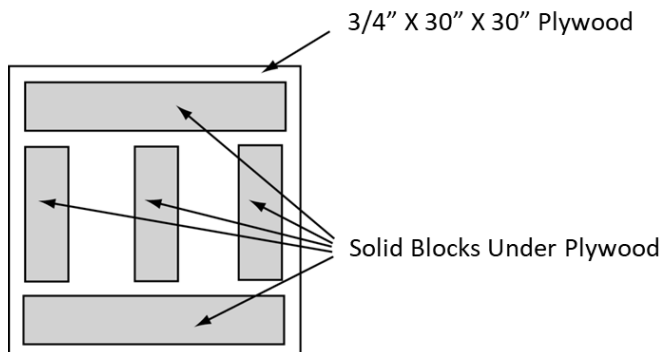
INSTALLATION GUIDELINES

A. INSPECTING AND PREPARING THE HEATER

- ❑ Remove the cardboard box, which comes packaged with the heater. It should contain the following: Thermostat, temperature and pressure relief valve, brass “tee” fitting, insulation, lid, and screws.
- ❑ Do not cover or damage the temperature and pressure relief valve opening located in the brass “tee” fitting mounted to the Hot Outlet fitting. See INSTALLATION DIAGRAM 1 on page 16.

B. LOCATION

- ❑ **CAUTION: All tanks will eventually leak at some unpredictable time.**
- ❑ Do not place the heater where there is a risk of property damage in the event of a leak.
- ❑ Place the heater on a solid foundation in a clean, dry location nearest the boiler.
- ❑ The heater should be protected from freezing.
- ❑ Water lines should be insulated to reduce energy and water waste.
- ❑ Leave sufficient headroom to service the heat exchanger and electrical controls.
- ❑ Do not install in an area where flammable liquids or combustible vapors are present.
- ❑ **CAUTION: The heater's outer jacket is plastic and can melt.**
- ❑ Do not install in close proximity to wood burning stove or other high temperature apparatus.
- ❑ **NOTE:** If heater is placed on blocks to raise it from the floor, be sure to support the entire bottom with at least 3/4" plywood on the top of the blocks.



C. PROTECTION FROM WATER DAMAGE

- ❑ **CAUTION: All water heaters have a risk of leakage at some unpredictable time.**
- ❑ **IT IS THE CUSTOMER'S RESPONSIBILITY TO PROVIDE A CATCH PAN OR OTHER ADEQUATE MEANS, SO THAT THE RESULTANT FLOW OF WATER WILL NOT DAMAGE FURNISHINGS OR PROPERTY.**
- ❑ The warranty provided assures replacement within its terms, but specifically does not warrant against consequential damage caused by a leaking water heater.

D. TEMPERATURE AND PRESSURE RELIEF VALVE

- ❑ **WARNING: A POTENTIAL HAZARD TO LIFE AND PROPERTY MAY EXIST IN ANY WATER HEATER IF AN APPROVED TEMPERATURE-AND-PRESSURE RELIEF VALVE IS NOT PROPERLY INSTALLED.**
- ❑ For protection against excessive pressures and temperatures in this water heater, install temperature-and-pressure protective equipment by local codes, but not less than a combination temperature-and-pressure relief valve certified by a nationally recognized testing laboratory that maintains periodic inspection of production of listed equipment of materials, as meeting the requirements for Relief Valves and Automatic Gas Shutoff for Hot Water Supply Systems, ANSI Z21.22-1971. This valve must be marked with maximum set pressure not to exceed the marked maximum allowable working pressure of the water heater (150psi). Install the valve into an opening provided and marked for this purpose in the water heater and orient it or provide the tubing so that any discharge from the valve will exit only within 6 inches above, or at any distance below the structural floor and cannot contact any live electrical parts. The discharge opening must not be blocked or reduced in size under any circumstances.
- ❑ **CAUTION: A temperature and pressure relief valve is designed to discharge excessively hot water. THE CUSTOMER IS RESPONSIBLE TO PROTECT PROPERTY AND PERSONNEL FROM HARM WHEN THE VALVE FUNCTIONS.**
- ❑ Install the temperature and pressure relief valve provided on the hot water outlet of tank as shown in INSTALLATION DIAGRAM 1 on page 16.
- ❑ Care must be taken to be sure that the stem of the pressure and temperature relief valve is immersed in the water within the top 6 inches of the tank.

- ❑ The drain line from the temperature and pressure relief valve must not be concealed or blocked and must be protected from freezing.
- ❑ No valve of any kind should be installed between the temperature and pressure relief valve and tank or in the drain line.
- ❑ **WARNING: IF THE WATER SUPPLY IS FROM A WELL, OR KNOWN TO HAVE HARD WATER, IT IS RECOMMENDED TO USE A PRESSURE RELIEF VALVE IN THE COLD-WATER LINE AS WELL AS A T&P VALVE IN THE HOT WATER LINE.**

E. WATER SUPPLY CONNECTIONS

- ❑ **WARNING: Some local codes mandate the use of a backflow preventer or check valve or pressure-reducing valve. An adequate expansion tank (or other adequate means) must be installed to prevent pressure build up or damage from thermal expansion when a check valve or backflow preventer or pressure-reducing valve is used. Failure to do so could result in tank leakage and therefore void the warranty. See INSTALLATION DIAGRAM 1 on page 16.**
- ❑ All water supply fittings on this heater are brass – do not over tighten or strip threads.
- ❑ Provide a shut off valve in the cold-water line. Mark for future emergency use.
- ❑ It is recommended to use unions as shown in INSTALLATION DIAGRAM 1 on page 16.
- ❑ **Do not apply heat directly to the inlet or outlet as it includes a plastic dip tube and O-rings which can melt.**
- ❑ Water connections are 3/4" male threaded fittings. Exception: They are 1.5" male on the FD models.

F. FILLING THE WATER HEATER

- ❑ Check that the temperature and pressure relief valve has been properly installed (mandatory requirement).
- ❑ Completely close the drain valve.
- ❑ Open the highest hot water faucet to allow air to escape from piping.
- ❑ Open the valve to the cold-water inlet and allow the heater and piping system to completely fill, as indicated by a steady flow of water from the open faucet.

G. THERMOSTAT INSTALLATION

- ❑ Place hole in back of the thermostat over the temperature sensor leads. It should fit flush against the tank. Use the provided self-

tapping screw to attach case back directly to the Featherweight. See THERMOSTAT DIAGRAM 2 on page 13.

- ❑ Connect temperature sensor wires to press release connector. See THERMOSTAT DIAGRAM 4 on page 15.
- ❑ Run all 24VAC wiring through the square notch on bottom of thermostat case. See THERMOSTAT DIAGRAM 3 on page 14.

H. ETC102 WIRING CONTROL

- ❑ **WARNING: Do not use ETC102 with 110V circuits to the TT terminals. For Switching 110V, use switch terminals. See THERMOSTAT DIAGRAM 4 on page 15.**
- ❑ **The ETC102 TR/TW/C terminals are rated 24VAC, 1 amp resistive.**
- ❑ **The ETC102 SWITCH terminals are rated 120VAC, 10 amp resistive.**
- ❑ For controlling zone valves, multi-zone controllers and switching relays, follow applicable wiring diagrams for typical low voltage thermostat circuits.
- ❑ Some newer switching relay models do not work properly with “Power Stealing” thermostats. The ETC102 can be a power stealing thermostat unless powered separately. Connect 24VAC power from the switching relay board or from a step-down transformer to 24V and 0V terminals. See THERMOSTAT DIAGRAM 3 on page 14 and THERMOSTAT DIAGRAM 4 on page 15.

I. INSULATION INSTALLATION

- ❑ Place included fiberglass insulation between and around the water supply and boiler supply connections. Attach lid using the four screws provided. See FIGURE 2 on page 18.
- ❑ Insulate hot water pipes with pipe insulation.

INSTALLATION CHECKLIST

1. INSPECTING AND PREPARING THE HEATER

- ☐ Remove the cardboard box, which comes packaged with the heater. It should contain the following: Thermostat, temperature and pressure relief valve, brass "Tee" fitting, insulation, lid, and screws.
- ☐ Do not cover the temperature and pressure relief valve opening.

2. LOCATION

- ☐ Solid foundation and dry location.
- ☐ Protect heater water lines from freezing.
- ☐ Area free of flammable vapors.
- ☐ Sufficient room to service heater.
- ☐ Not in close proximity to wood burning stove.
- ☐ Where leak will not damage property.

3. PROTECTION FROM WATER DAMAGE

- ☐ Be sure to make provisions to protect the area from water damage if a leak should occur in the tank or connected fittings.

4. TEMPERATURE AND PRESSURE RELIEF VALVE

- ☐ **WARNING: Improper installation will present potential hazard to life and property.**
- ☐ A temperature and pressure relief valve with an 8-inch stem should be used.
- ☐ Check to be sure that proper temperature and pressure relief valve requirements are met.
- ☐ Temperature and pressure relief valve installed.
- ☐ The 3/4" discharge pipe is properly protected from freezing and restrictions.
- ☐ No valve between tank and the temperature and pressure relief valve or in drain line.
- ☐ Provision for hot water discharge from the temperature and pressure relief valve.

5. WATER SUPPLY CONNECTIONS

- ☐ Do not over tighten brass threads.
- ☐ Do not apply heat to brass fittings.
- ☐ Mark the water shutoff for future reference.

- ☐ If there is a check valve (sometimes in water meter), backflow preventer or pressure-reducing valve, install an adequate size expansion tank.

6. FILLING THE HEATER

- ☐ Water connections completed and free of leaks.
- ☐ Check for proper installation of the temperature and pressure relief valve.
- ☐ Close drain valve.
- ☐ Open the highest hot water faucet.
- ☐ Open cold water inlet valve and fill system.

7. WIRING

- ☐ Verify that wiring matches thermostat diagrams.
- ☐ Check that water heats to desired temperature.

8. INSTALLATION COMPLETED AND CHECKLIST FILLED OUT

BY: _____

DATE: _____

NOTES: _____

TEMPERATURE CONTROL

A. WATER TEMPERATURE REGULATION

- ❑ **WARNING:** Exposure to water hotter than 125° F can cause scalding injuries. Appropriate caution must be taken when using hot water. Special supervision must be given to those who cannot quickly act such as children, disabled, or elderly persons.
- ❑ The input of heat into the tank is controlled by a thermostat with a thermistor (temperature sensor) attached to the water heater. These automatic controls are set at the factory to maintain a water temperature of 125° F. Although these thermostats are designed to meet industry standards, they can fail to control temperature properly without any notice, and therefore should be tested periodically for your protection.
- ❑ The test is very simple: Turn on the hot water faucet and measure the maximum temperature with an accurate thermometer. If the temperature is above the safe limits for your circumstances call a service technician to adjust or replace the control.
- ❑ **DANGER: IF YOU DISCOVER EXTREME HOT WATER COMING FROM THE FAUCET, IMMEDIATELY SHUT OFF THE MAIN SWITCH TO THE BOILER AND CALL COMPETENT SERVICE PERSONNEL. OVERHEATED WATER IS A POTENTIAL HAZARD TO LIFE AND PROPERTY. DO NOT OPERATE UNTIL THE SOURCE OF THE PROBLEM HAS BEEN DETERMINED AND ELIMINATED.**



- ❑ Water temperature over 125° F can cause severe burns instantly or death from scalds.
- ❑ Children, disabled and elderly are at the highest risk of being scalded.
- ❑ See the instruction manual before setting temperature at the water heater.
- ❑ Feel water before bathing or showering.

B. WATER TEMPERATURE CONTROLS

- ❑ A periodic inspection of the operating controls, heat exchanger and wiring should be made by qualified service personnel.
- ❑ The temperature of the water should be tested periodically at the faucet to be sure the thermostat is working properly.

C. TEMPERATURE ADJUSTMENT

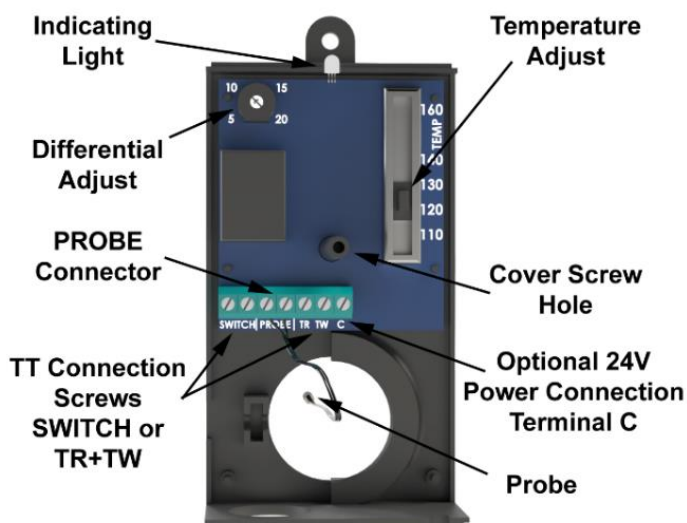
- ❑ The water heater is delivered with an ETC102 thermostat which has a factory set temperature setting of 125°F and differential setting of 10°F.
- ❑ Any temperature adjustment of the thermostat must be made by qualified service personnel, as shown below.
 1. Shut off or disconnect all electrical supply to heater.
 2. Remove cover to thermostat.
 3. Adjust right side lever to the desired temperature. Moving the lever down will decrease the temperature. See THERMOSTAT DIAGRAM 1 on page 13.
 4. **NOTE: Markings on slide are approximate. Check the temperature at faucet to ensure safe operating temperature.**
 5. Adjust the differential to the desired setting. Turn the dial on left side to the desired differential. See THERMOSTAT DIAGRAM 1 on page 13.
 6. The thermostat will call for heat when the tank temperature has fallen to the set differential degrees below the temperature set point.
 7. Reattach cover and reconnect electrical supply.
 8. Check faucet temperature to verify desired temperature is achieved.
- ❑ In order to set the temperature above 140°F (**NOT RECOMMENDED**) you must remove the SCALD DANGER label attached to the temperature slide.
- ❑ **CAUTION: Do not increase temperature above 140°F without a properly installed mixing valve in the system.**

D. INDICTAOR LED OPERATION

- ❑ The thermostat has an indicator LED at the top of the case. See THERMOSTAT DIAGRAM 1 on page 13 or inside cover of thermostat.
- ❑ When the thermostat is calling for heat, the indicator LED will flash green.
- ❑ When the thermostat is satisfied, the indicator LED will be solid green.
- ❑ If the thermostat detects no probe, the indicator LED will flash red.

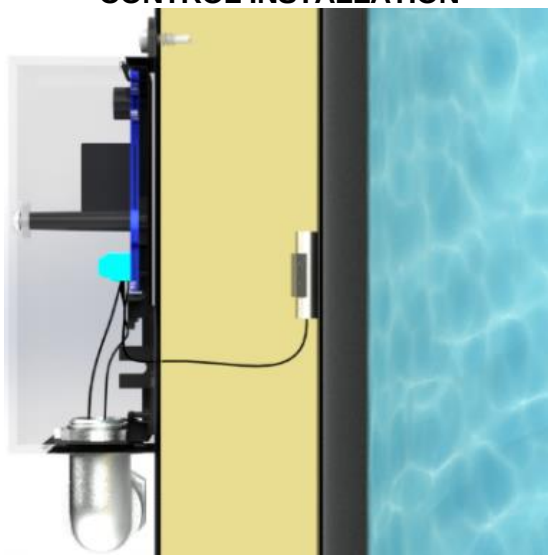
THERMOSTAT DIAGRAM 1

ETC102 LAYOUT



THERMOSTAT DIAGRAM 2

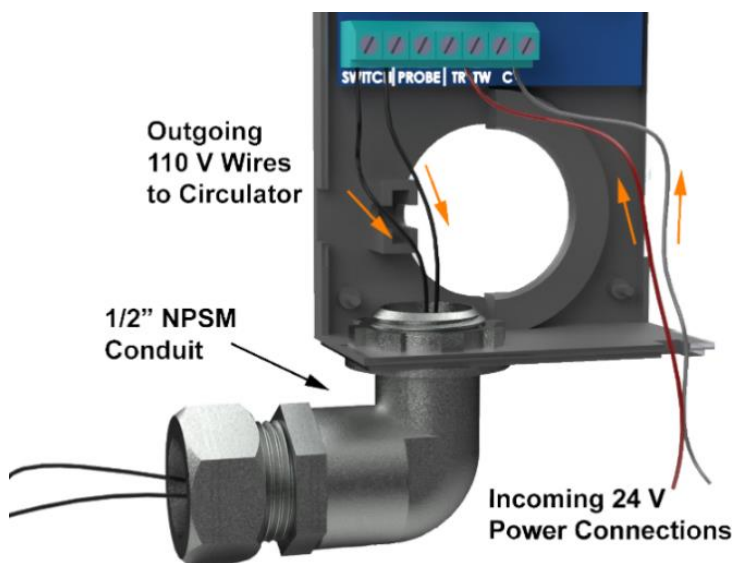
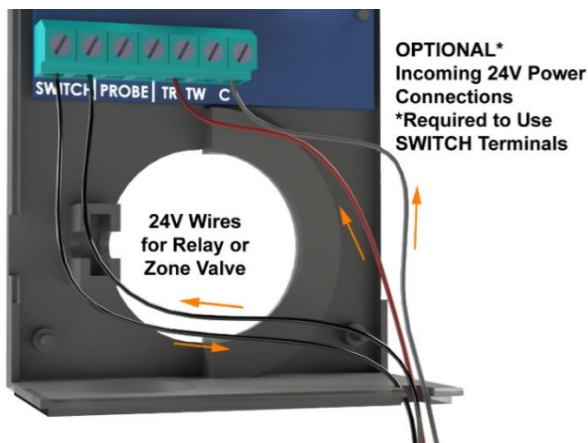
CONTROL INSTALLATION



THERMOSTAT DIAGRAM 3

ETC102 WIRING

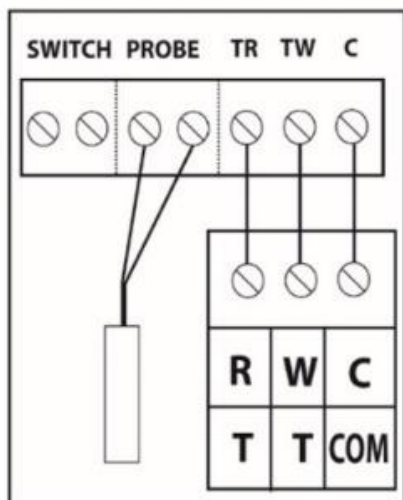
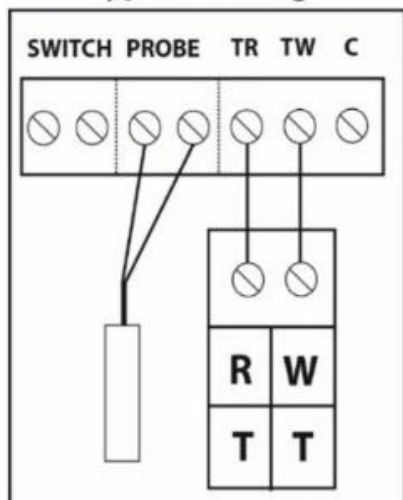
(Low Voltage Only)
(Blue Circuit Board)



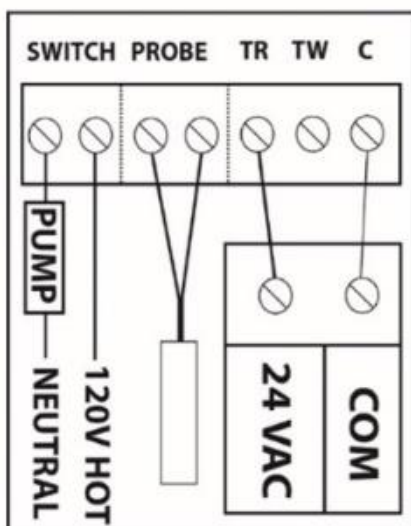
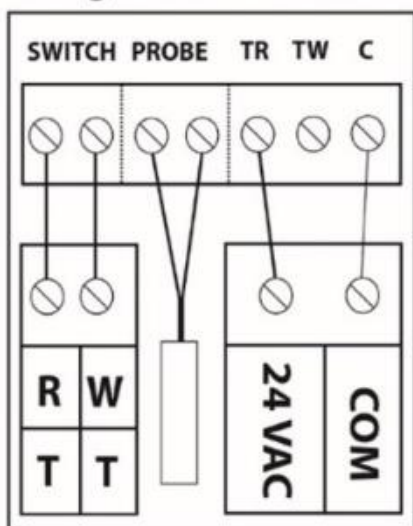
THERMOSTAT DIAGRAM 4

ETC102 WIRING

Typical Wiring



Wiring with 24V if needed



INSTALLATION DIAGRAM 1

Installation Diagram Using Zone Valves

Featherweight Aqua Booster Storage Installation

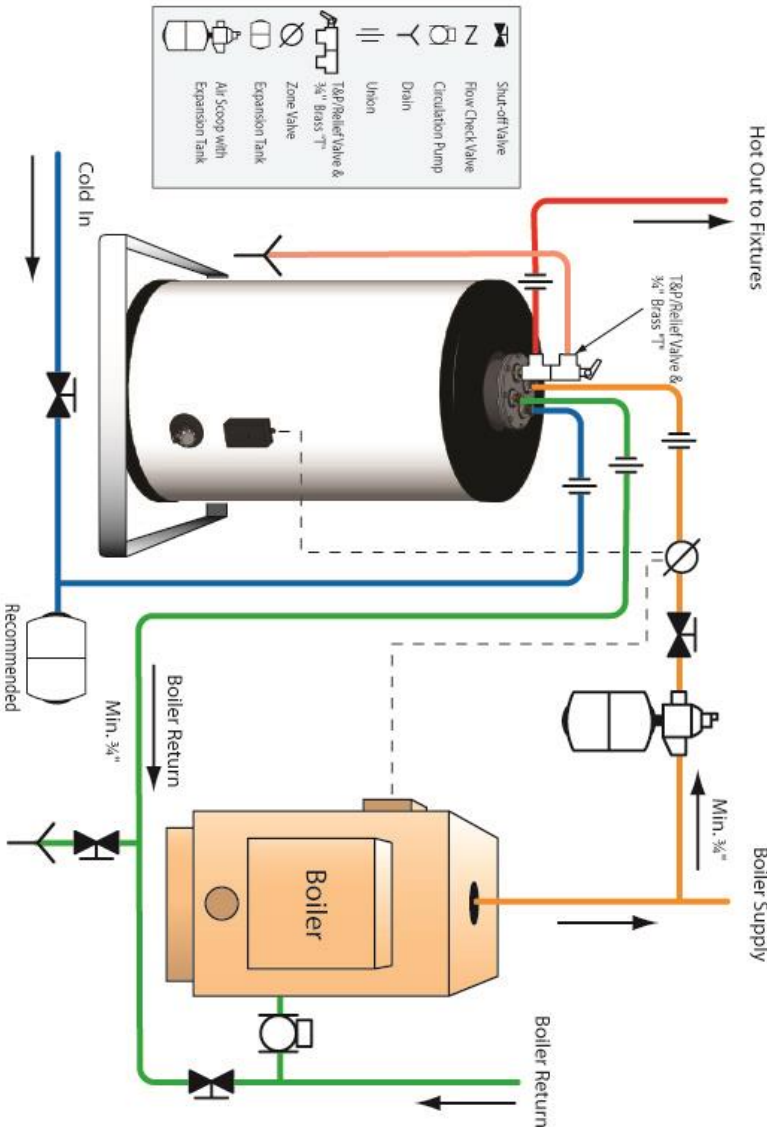


FIGURE 1

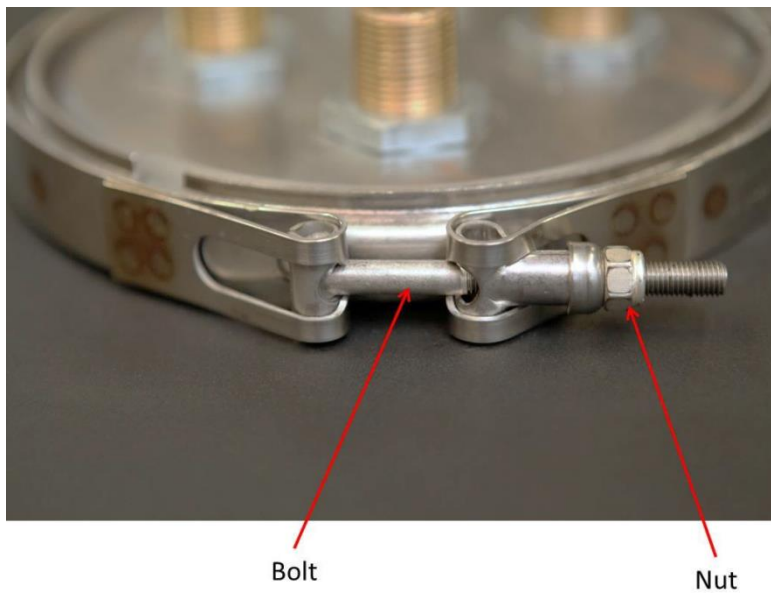
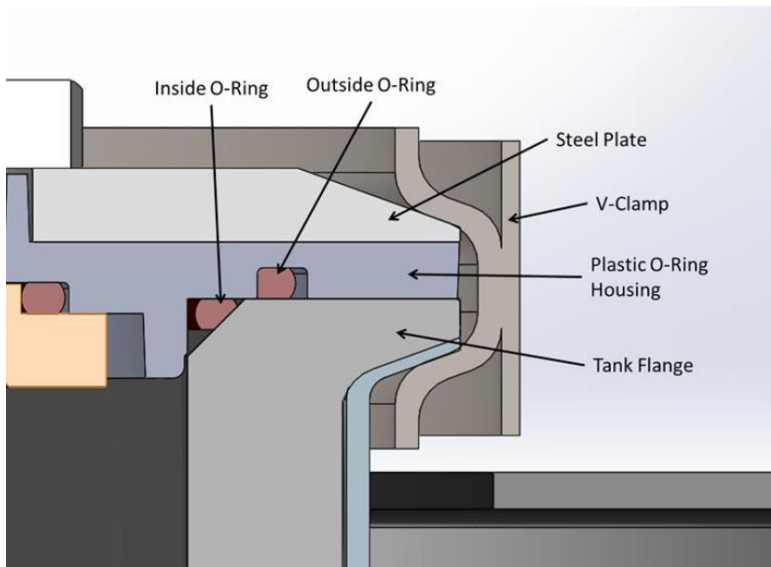


FIGURE 2

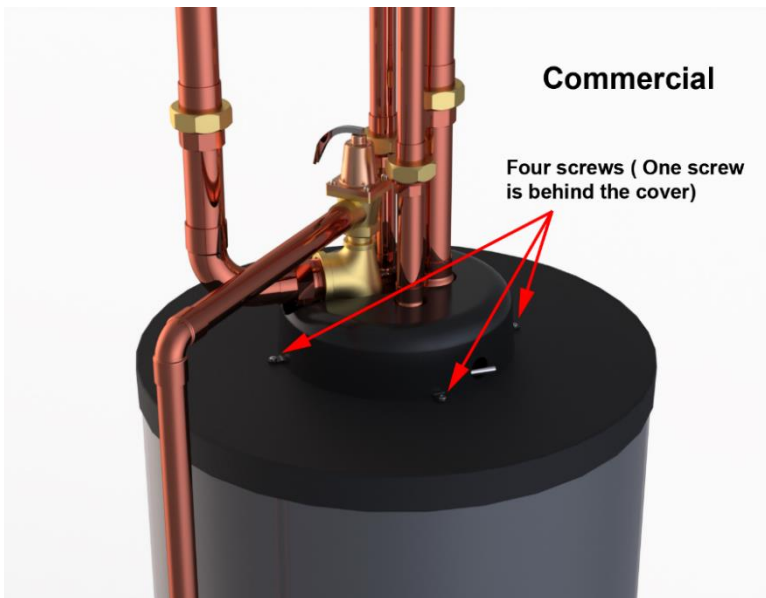
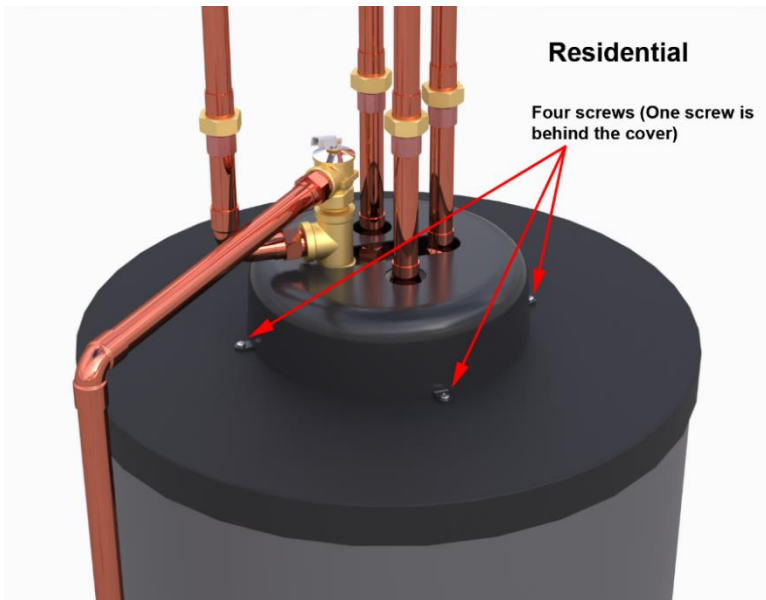
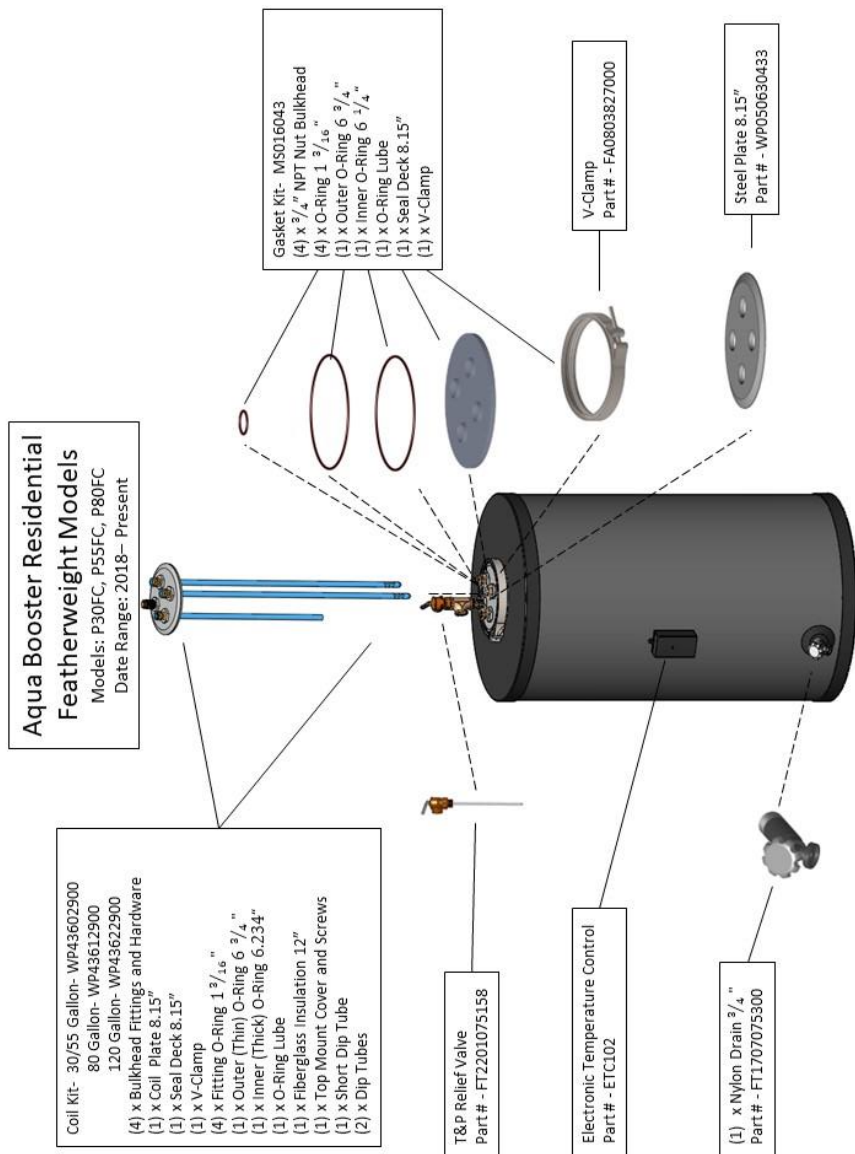


FIGURE 3

REPLACEMENT PARTS (RESIDENTIAL MODELS)



SERVICE INFORMATION

Properly maintained, your water heater can provide years of dependable, trouble-free service. It is suggested that the purchaser follow the preventive maintenance program outlined below.

A. CONTROLS

- ❑ A periodic inspection of the operating controls, heat exchanger and wiring should be made by qualified service personnel. The temperature of the water should be tested periodically at the faucet to be sure temperature controllers are working properly.

B. INSTALLING THE REMOVABLE COIL KIT

- ❑ The coil kit is installed at the factory. The following is provided for servicing or removing.
- ❑ Insert the coil kit with plastic O-ring housing and align top fittings so the Hot Out fitting is at the 9 o'clock position.
- ❑ **WARNING: Plastic O-ring housing must be properly installed. (See FIGURE 1 on page 17). Failure to do this will void the warranty.**
- ❑ Install and secure the clamp and nut in the following manner:
 1. Apply anti-seize lubricant to bolt threads.
 2. Place the clamp around the flange and coil plate.
 3. Ensure the bolt is facing forward and slide through the hole.
 4. Hold the clamp together with one hand and tighten the nut with the other hand. See FIGURE 1 on page 17.
 5. Tighten to 20 ft.-lbs.
- ❑ **NOTE: Be sure that clamp is installed level.**

C. ANNUAL INSPECTION

- ❑ Lift test lever on the temperature and pressure relief valve and let water run through valve for a period of approximately 10 seconds. This will help flush away any sediment that might build up in water passageways.
- ❑ Inspect tank fittings for leakage.
- ❑ Flush tank at 10 years (or earlier if needed).

D. DRAINING THE HEATER

- ❑ **CAUTION: Shut off all power to the heater before draining water. To drain the tank, a hot water faucet must be opened to admit air to the tank.**

- ❑ Attach a hose to the drain valve on the heater.
- ❑ Close valve on the cold-water line to the heater.
- ❑ Open the drain valve and direct the water to a drain.
- ❑ Open a hot water faucet higher than the heater.

E. LONG TERM SHUT DOWN

- ❑ If the water heater is to remain idle for an extended period of time, the power and water to the heater should be turned off to conserve energy.
- ❑ The water heater and piping should be drained if they might be subjected to freezing temperatures.
- ❑ After a long shutdown period, qualified service personnel should check the heater's operations and controls.
- ❑ Make certain the water is filled before placing it in operation.

F. EMERGENCY

- ❑ Should the heater be subject to flood, fire, or other damaging conditions, **DO NOT** place the water heater in operation again until it has been thoroughly checked by qualified service personnel.

HOW TO OBTAIN SERVICE ASSISTANCE

Vaughn Thermal Corporation does not have a service department or personnel to service your heater in the field. A qualified installer or service technician must do all service work. Therefore, if you have any questions about your new water heater concerning service adjustment, repair, routine maintenance, or replacement - **first contact your installer, plumbing contractor or service agency.**

In the event that the contractor, for whatever reason, is unable to help, refer to the telephone directory commercial listings for qualified service assistance.

If neither action has solved your problem, please have your plumbing contractor contact us for assistance.

CUSTOMER RELATIONS DEPARTMENT
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VAUGHN THERMAL CORPORATION
26 OLD ELM STREET
P.O BOX 5431
SALISBURY, MA 01952

When contacting Vaughn, the following information should be made available:

Model and serial number of the water heater as listed on inside back cover of this manual or on the rating plate on the heater.

- 1. Address where water heater is installed.**
- 2. Name and address of dealer from whom the heater was purchased and installer's name and address.**
- 3. Date of original installation and any service work performed since then.**
- 4. Details of the problem as you can best describe.**
- 5. List of people who have been contacted regarding the problem.**

WARRANTY

Ten (or Five) Year Limited Tank Replacement Policy One Year Limited Parts Warranty

Vaughn Thermal Corporation, (hereinafter called the Company) offers the following Limited Warranty and Tank Replacement Policy to the original purchaser/owner of this residential water heater.

This Limited Warranty and Tank Replacement Policy is not transferable beyond the original purchaser/owner and is not valid if the tank is removed from initial installation site. The Company reserves the right to require proof of purchase as a condition of this warranty. Excludes any implied warranty of merchantability or fitness for any particular purpose. This limited Warranty is the only Warranty for this unit given by the Company. No one is authorized to make any other warranties on behalf of the Company. ANY IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE APPLICABLE WARRANTY PERIODS SPECIFIED PREVIOUSLY. THE Company SOLE LIABILITY, WITH RESPECT TO ANY DEFECT, SHALL BE AS SET FORTH IN THIS LIMITED WARRANTY, AND ANY CLAIMS FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGE FROM WATER LEAKAGE) ARE EXCLUDED.

LIMITED WARRANTY

DURATION: The warranty is effective for (1) one year beginning with the date of original installation and installed in a single-family dwelling. At the time the claim is filed, if the original purchaser cannot provide an original installation sales receipt, deed or equivalent document in the case of a new home purchase, this warranty shall begin from the date of manufacture as indicated by the serial number. If the heater is installed anywhere other than a single-family dwelling the warranty is (1) year beginning from the date of original purchase. At the time the claim is filed, If the original purchaser cannot provide an original sales receipt, deed, or equivalent document in the case of a new home purchase, this warranty shall begin from the date of manufacture as indicated by the serial number.

COVERAGE: The warranty covers any component part of the residential water heater proven to be defective in workmanship or material. Recovery under the terms of this agreement is subject to prior approval by the company.

COMPANY OBLIGATION: Repair or replacement is the option of the Company and constitutes the fulfillment of ALL obligations of the Company hereunder.

LIMITATION: All repairs or replacements will be made F.O.B. the Company. The purchaser must pay for transportation service, labor, installation, administrative fees, or other costs involving the repair or replacement of such component parts.

YOUR ACTION: When you discover a defect, immediately notify the dealer from whom the heater was purchased. If you cannot locate the dealer, contact the Company.

TANK REPLACEMENT POLICY

DURATION: The warranty is effective for (10) ten years beginning with the date of original installation and installed in a single-family dwelling. Exception: (5) five years for commercial use (FD models), see Limitations below. If the original purchaser cannot provide an original installation sales receipt, deed, or equivalent document in the case of a new home purchase, this warranty shall begin from the date of manufacture as indicated by the serial number.

COVERAGE: Replacement policy covers only the storage tank for leaks caused by the corrosive effects of the water under normal and proper use. Recovery under the terms of this agreement is subject to prior approval by the company. The tank replacement policy excludes any performance warranty implied or specific merchantability and fitness for its intended use.

COMPANY OBLIGATION: Repair of the original tank or replacement of the entire heater with a new comparable model is the option of the Company and constitutes the fulfillment of all the obligations of the Company hereunder. In replacing or repairing the residential water heater, the Company reserves the right to make such changes in details of design, construction or material as shall in their judgment constitute an improvement of former practices.

REPLACEMENT: When a replacement is made under the terms of this policy, the replacement unit will have a policy of replacement only for the remaining time under the original policy. The Company reserves the right to require the return of the defective unit at the expense of the purchaser.

LIMITATION: The duration of the tank replacement policy on the tank assembly shall be reduced to a period of five years if (1) the purchaser is a business, partnership, or corporation, or if (2) the water heater is used for a commercial, institutional, industrial, non-residential, or multi-application. All repairs or replacements will be made F.O.B. the Company. The purchaser must pay for transportation, service, labor installation, administrative fees or other costs involving the repair or replacement of such part.

YOUR ACTION: When you discover a defect, immediately notify the dealer from whom the heater was purchased. If you cannot locate the dealer, contact the Company.

EXCLUSIONS AND LIMITATIONS

Limited Warranty and Tank Replacement Policy are valid only if you comply with the following conditions and limitations:

1. The water heater must be correctly installed according to the installation manual provided with the unit and all applicable local and national codes.
2. Proper safety practices such as but not limited to a properly sized drain pan.
3. The unit must be operated within the factory calibrated temperature limits and water pressure not exceeding 80 psi static pressure. Any failure or malfunction that results from improper or negligent operation, accident, abuse (including freezing), misuse, unauthorized alteration or improper maintenance is specifically excluded, fire, lightening, acts of God, and the like.
4. Any failure or malfunction that results from failure to keep the tank full of potable water, free to circulate at all times, and free of damaging water sediment or scale deposits, is specifically excluded. In areas where adverse water conditions are suspected (i.e., calcium and other minerals), it is essential that the water be tested, and appropriate action be taken to prevent damage to the water heater.
5. This Limited Warranty and Tank Replacement Policy specifically excludes any implied warranty of merchantability or of fitness for any particular purpose, as well as any performance warranty.
6. Installed in the United States, or Canada
7. Sized in accordance with proper sizing techniques for residential water heaters.
8. Connected to the proper voltage per rating plate.
9. Installed with no attempted, nor actual modification or alteration of the water heater's design in any way, including but not limited to, the attachment of non-company approved appliances or equipment, including any additional aftermarket equipment introduced into the sealed system.
10. Units with their rating plate removed.

IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER.

Some states do not allow the exclusion or limitation of implied warranties or of liability for incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you.

NOTES

**The following information should be noted
at time of installation and retained for
future reference.**

Model No: _____

Serial No: _____

Date Installed: _____

Dealer's Name: _____

Address: _____

City: _____

State: _____ Zip: _____



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Revision 2.2