



MASTERTEMP® HEATER

PRESSURE RELIEF VALVE KIT [P/N 460925]

INSTALLATION INSTRUCTIONS



FAILURE TO FOLLOW ALL INSTRUCTIONS AND WARNINGS CAN RESULT IN SERIOUS BODILY INJURY OR DEATH. THIS PRODUCT SHOULD BE INSTALLED AND SERVICED ONLY BY A QUALIFIED POOL SERVICE PROFESSIONAL. INSTALLERS, POOL OPERATORS AND OWNERS MUST READ THESE WARNINGS AND ALL INSTRUCTIONS IN THE HEATER INSTALLATION AND USER'S GUIDE BEFORE USING THIS PRODUCT. THESE INSTRUCTIONS MUST BE LEFT WITH THE POOL OWNER.

Warnings and safety instructions for Pentair Aquatic Systems pumps and other related products are available at: <http://www.pentairpool.com/safety-warnings> Call (800) 831-7133 for additional free copies of these instructions.

IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL INSTRUCTIONS - SAVE THESE INSTRUCTIONS

Air Intake Kit includes the following:

- Pressure relief valve qty. 1
- Brass elbow 90° qty. 1
- 3/4" x 3.5" brass nipple qty. 1
- 3/4" x 2.5" brass nipple qty. 1
- 3/4" x 1.375" brass nipple qty. 1
- Installation Instructions qty. 1

PRESSURE RELIEF VALVE (NOT FACTORY INSTALLED)

Canadian code requires and some U.S. local codes may require installation of a Pressure Relief Valve (PRV). Purchase separately and install a 3/4" pressure relief valve complying with the ANSI/ASME Boiler and Pressure Vessel Code, having a capacity equal to the Btu/hr rating of the heater. The relief pressure of the valve **MUST NOT EXCEED 50 PSI**. The relief valve must be installed horizontally. To install the valve, use a 3/4" x 3-1/2" brass nipple at the manifold and one brass elbow and nipple (supplies), as shown in illustration on right. No valve is allowed to be placed between the manifold adapter and the relief valve.

To avoid water damage or scalding from operation of the relief valve, install a drain pipe in the outlet of the pressure relief valve that will direct water discharging from the valve to a safe place for disposal. Do not install any reducing couplings or valves in the drain pipe. The drain pipe must be installed so as to allow complete drainage from the valve and drain line. ***The relief valve should be tested at least once a year by lifting the valve lever.***

WARNING **Explosion hazard.** Any heater installed with restrictive devices in the piping system downstream from the heater, (including check valves, isolation valves, flow nozzles, or therapeutic pool valving), must have a relief valve installed as described above.

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INSTALLING THE BRASS FITTINGS ONTO THE PRESSURE RELIEF VALVE

When installing this kit, **basic safety precautions** should always be followed. Read and follow all instructions.

Required items:

- Threaded Seal Tape
- Pipe Wrench

To install the Pressure Relief Valve:

1. Remove the three (3) retaining screws from the heater front panel and remove the small front split-panel. Remove the knockout from the split-panel. See Figure 1.
2. **Note:** Wrap threaded sealing tape clockwise around all the brass threads before starting.
3. Connect the 3.5" brass long nipple into the manifold head threads. Use a wrench to tighten. Do not overtighten. See Figure 2.
4. Attach the 90° brass elbow onto the end of the 3.5" brass long nipple. Using a wrench, hold the 90° brass elbow and with another wrench tighten the elbow onto the 3.5" brass long nipple. Do not overtighten the joints. Do not overtighten. See Figure 2.
5. Attach the 2.5" brass long nipple onto the 90° brass elbow. Use a wrench to tighten. Do not overtighten. See Figure 2.
6. Connect 1.375" brass long nipple to the Relief Valve drain outlet. Connect to 2.5" brass long nipple. Use a wrench to tighten. Do not overtighten. See Figure 2.
7. Install the split-panel and secure with the three (3) retaining screws. See Figure 1.

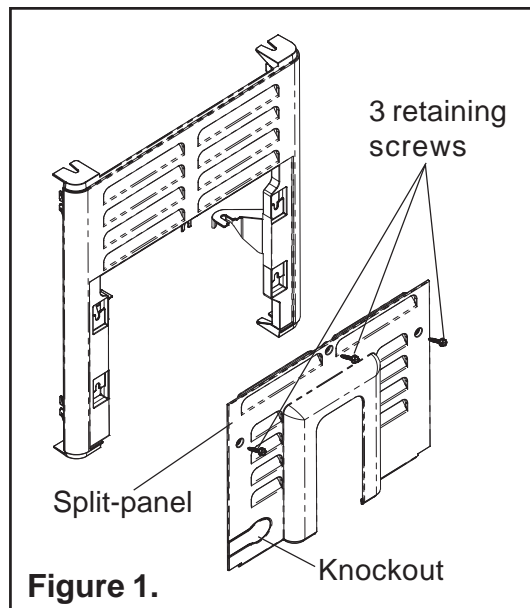


Figure 1.

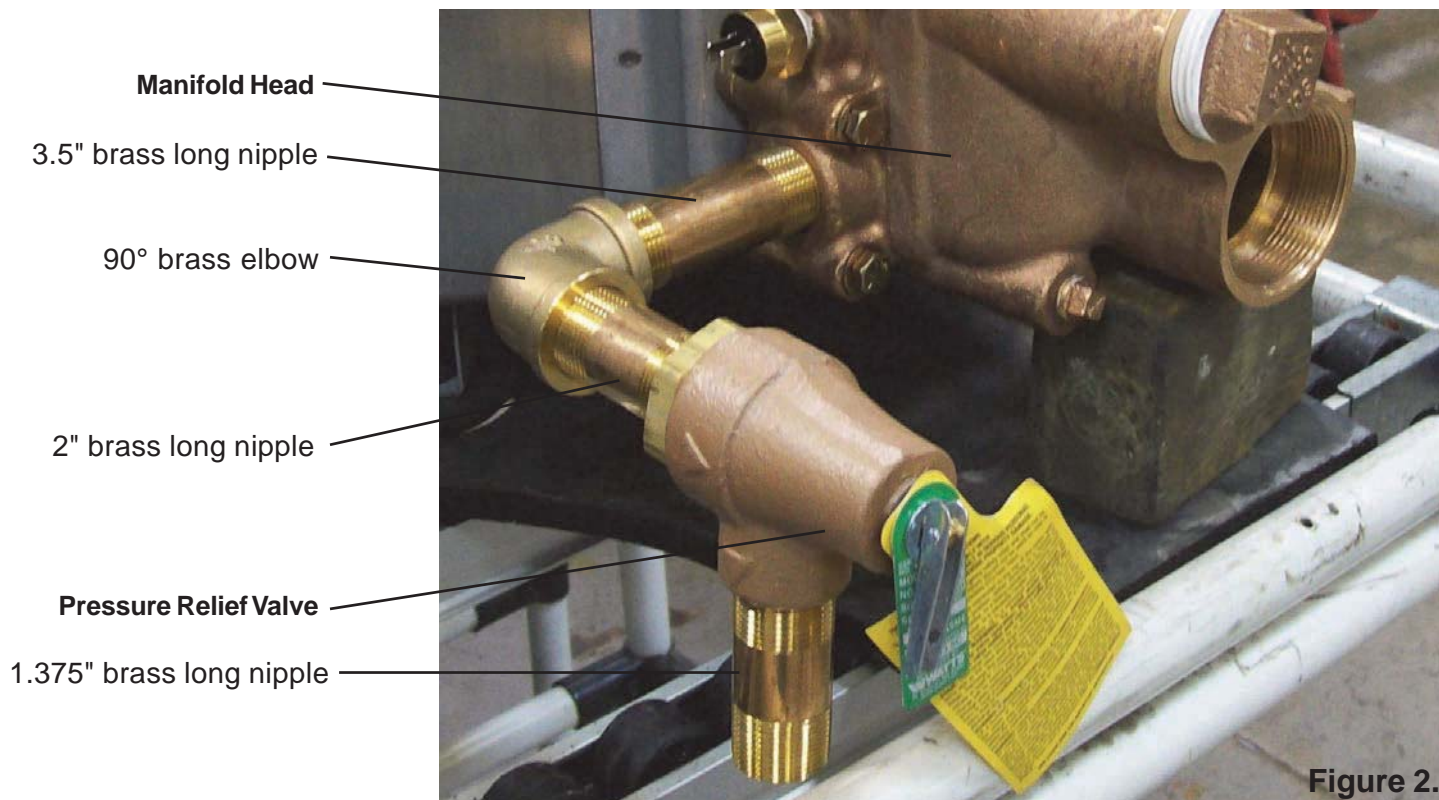


Figure 2.



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