

OPERATION INSTRUCTIONS

1. **Make sure your pump is running and is flowing through the unit, if for any reason the water flow is interrupted (power outage, etc.) extinguish the fire immediately.**
2. Place small kindling in the fire-box, set the material directly on the fire brick bottom (**Don't use a log rack**). To ignite, use paper or a fireplace starter log, **never use liquid flammable materials**, once the fire is started, add larger logs and keep the fire box full.

When operating at full capacity, it will be necessary to add wood every two hours depending on the type of wood used. At night, fill the firebox and close the draft doors, it will usually only maintain the pool temperature at night. In the morning, after 8 to 10 hours, you should have a good bed of coals to start the daytime burning procedure again.

3. Draft Control

When first getting the fire started, open draft control doors completely open. You can even leave the door ajar to get additional draft, if needed. Leave draft doors open until the temperature indicator on the chimney reads in the efficient range, at that point adjust draft control and add wood to keep the temperature in the efficient range.

When operating in the efficient range, you should get a 3 to 6 degree temperature difference between water going into the heater versus water returning to the pool.

4. When heating your pool, you should use a solar or thermal blanket to reduce the loss of heat generated, this is especially true at night.

HANDLING/ASSEMBLY/INSTALLING

1. **HANDLING.** Always lift the unit from the bottom. **Never try to lift by the top plate.** While on the pallet, use a pallet jack or lift truck to move. After removing from pallet, a two-wheeler may be used on the side of the unit opposite the manifold cover box, left side facing the front of the unit.
2. **INSTALLING.** Place the unit three feet from existing buildings or obstructions. **Do Not put unit in any enclosure (leave outside).**
3. **ASSEMBLY.** Inside the unit, you will find a 24" piece of 6" stove pipe with crimping on both ends. One end of the pipe has a small ring at the end of the crimping. Install this end in the stove, put the cap on the other end and position the temperature indicator approximately halfway up the pipe.

PLUMBING & WINTERIZING

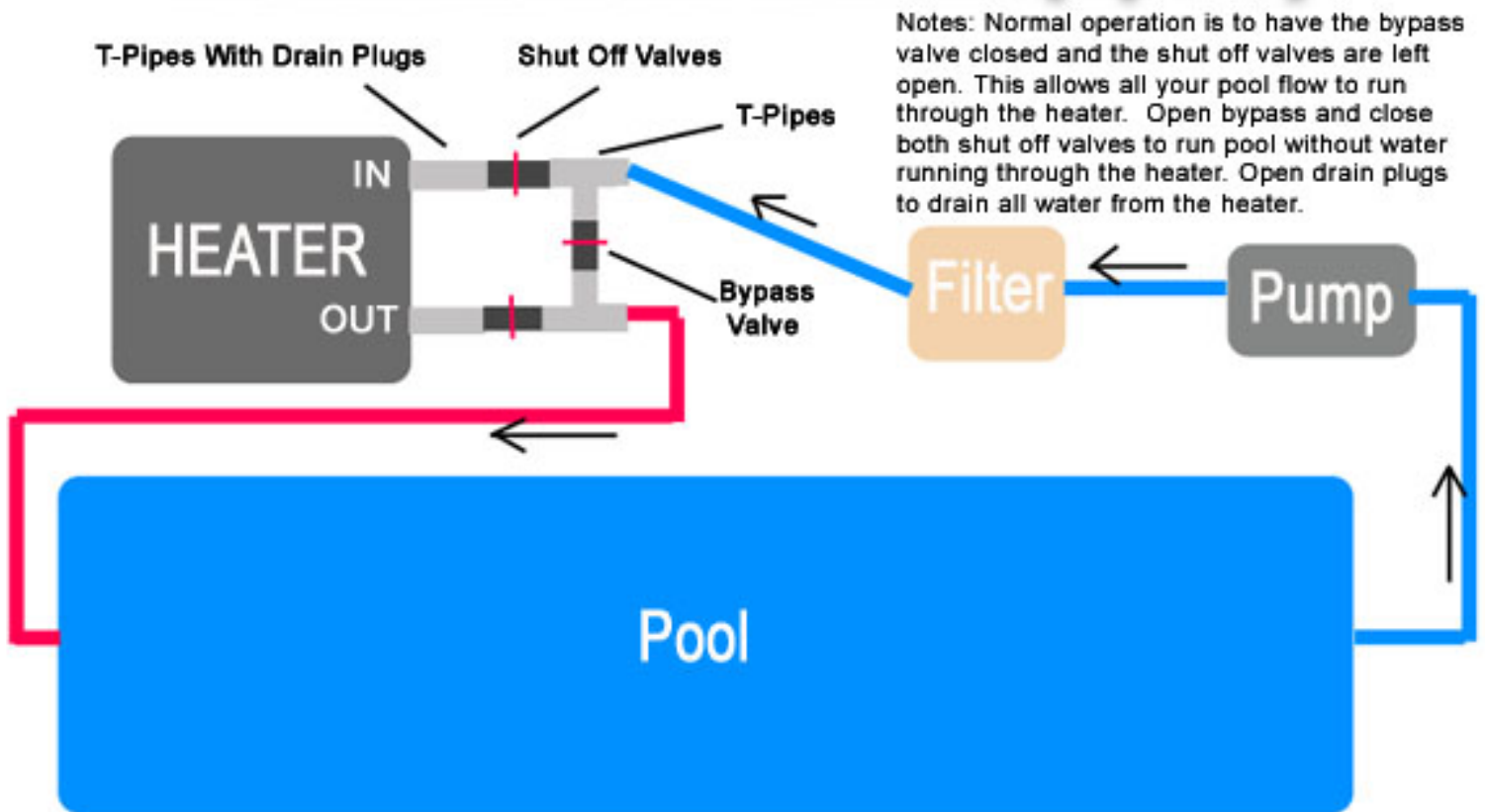
PLUMBING. The unit has two positions labeled INLET & OUTLET. These are 1-1/2" schedule 40 PVC Pipe "Glue type Fittings". Cut into the pool's return line after it leaves the filter and run pipe to Inlet position. Then, run pipe from Outlet position back to remaining segment of pool's return line.

We recommend that you install on 1-1/2" PVC Tee. If you use a tee in this position, it will make it easier to winterize the unit. Install a drain plug in the bottom of each tee & simply remove these plugs to winterize. (see winterize instructions below)

You may experience back-pressure on your pressure gauge at the filter after installing the unit. If so, installation of a bypass line and valve will eliminate the problem. If this is necessary, open the valve just enough to relieve the back-pressure.

WINTERIZE. Remove drain plugs on bottom of the Tees at the Inlet and Outlet positions, blow compressed air into the outlet position tee until all water quits coming out of inlet position tee.

Recommended Heater Installation (Top View)



Notes: Normal operation is to have the bypass valve closed and the shut off valves are left open. This allows all your pool flow to run through the heater. Open bypass and close both shut off valves to run pool without water running through the heater. Open drain plugs to drain all water from the heater.

* If you have a chlorinator, it must be installed on the red line, after the heater.

**EXTENDA SWIM
WOOD POOL HEATER
PHYSICAL DIMENSIONS**



Extenda Swim Manufactures Warranty & Return Policy

Extenda Swim™ Wood Fired Pool Heaters are covered by a two-year manufacturer's limited warranty. During this period, if there is an operational defect in the heater, report it to us at www.extendaswim.com for further information. Pictures of the defect, via e-mail, will be required in some cases to determine appropriate action. If we determine the defect is caused by our manufacturing process, we will ship you a replacement part at no cost. Defects are highly unlikely in our product. Each heater is 100% pressure tested before shipment. The heater only has four main parts which are required for proper function. Not much can really go wrong with only two copper heat exchangers and two water manifolds. The two year limited warranty does not cover onsite warranty service or repair.

If a heater is believed to be defective and not repairable at your house, it will need to be returned to our factory for repair and testing. The customer is responsible for placing the wood heater onto a wood pallet, in front of their house, for pick up by our trucking company. Upon arrival, we will inspect the heater for damage and also make any necessary repairs to return the heater to original operating conditions*. If we determine the repairs were needed due to improper use, not covered under the limited warranty, the customer will be responsible for full shipping/handling charges to and from our factory, in addition to repair costs. No product refunds will be issued for damaged heaters if the damage is not covered under warranty. You will be required to pay all shipping fees for the return of your heater. If decline to pay shipping fees on the return of your heater, then it will stay at our manufacturing plant & become our property. If the repairs are needed due to a manufacture defect, the customer will not be responsible for any shipping/handling charges and we will return the heater to the customer in fully restored condition or simply replace the heater with a new unit if needed. If we determine your heater is not performing up to standard operating conditions*, after we give it a full test fire for 3-4 hours, then you will be eligible for a full refund or brand new replacement at no cost.

Warmwatersolutions, Inc. does not offer full refunds to customers who are simply unhappy with our product. We will work with you, in every way possible, to provide resources and knowledge to efficiently heat your swimming pool with our product. Our heaters are guaranteed to work and perform under the standard operating conditions*. It is impossible to burn a large hot fire in the heater and NOT be able to heat your water. Depending on many factors and conditions, it is possible to not heat up your entire swimming pool in a satisfactory manner. The fact that your pool is not heating up quickly, does not mean the wood heater is not performing as advertised.

Customer is responsible for the following regular scheduled maintenance items

1. Regular exterior touch ups with a can of high temperature black BBQ spray paint. (To avoid developing rust on the exterior of the unit and protect the steel and look)
2. Apply high temperature. grease to the 2 door hinges; recommended Spring/Fall.

3. Drain all water from heat exchanger before extended period of non-use. (Specifically when closing the pool for winter, or non-use during summer)

Limited Warranty Covers

1. Broken welds on door hinges.
2. Any defective portion of the heater that is imperative to proper operation.
3. Leak in copper heat exchanger not caused by freezing or improper chemical balance. (We have never had to replace any coils or had any defects to cause heater not to work.)

Limited Warranty Does Not Cover

1. Warping of the steel due to constant heating/cooling, in and around the firebox.
2. Melting of plastic water manifold, due to non-sufficient water flow.
3. Rust or color fade developing on the interior or exterior of the unit.
4. Broken/cracked firebrick. (Not important to operation of heater)
5. Leak in copper heat exchanger caused by corrosion due to poor water chemistry

***Standard Operating Conditions**

"Standard operating conditions" means the heater is working up to original advertised specifications. If your heater is returned, we will test fire it with cured/seasoned dry split oak logs in 20-22 inch lengths for 3-4 hours. During this burn, we will monitor the incoming and outgoing water temperatures with our pete ports and digital thermometer set, available for sale here Accessories Page. If the outgoing water is 3-5 degrees Fahrenheit warmer than the incoming water, then the heater is considered to be working under "advertised conditions". If the customer is not achieving these results, it is not the fault of the wood heater, but more likely the type of wood and or conditions in which the customer is experiencing.

Customer Feedback & Testimonial Page

This page is designed to showcase installations and feedback from our customers across the country. As you look down the page you will see many different installation ideas, along with direct testimonial from each customer about how they like there Extenda Swim Wood Fired Pool Heater. We encourage all of our customers to send in a picture and a brief description of their success and we look forward to adding you to our page. Please enjoy our collection of installation pictures/stories and hopefully this will help you get a vision of how our wood heater will look in your back yard.



[Don Ferm - Arkansas - 1998]

(Don has an 18' x 36' in ground pool with 23,000 gallons)

I had your heater for two full seasons and am very pleased with its performance. Thanks to you, I can now start the swimming season about a month earlier. In just two days time I can increase the temperature of the water to 85 degrees Fahrenheit, and if a cold spell comes during the season I can easily bring the

temperature back up.



[Daniel Klump - Ocala, Florida 5-16-2005]

(Daniel has a 13' x 28' in ground pool)

We are very pleased with the ExtendaSwim and the whole buying experience with Warm Water Solutions. Specifically, the ExtendaSwim arrived in good condition, was easy to install myself, and brought my 68 degree pool up to 84 degrees within 3 days. Moreover, we even used the ExtendaSwim as a "campfire". That is,



the kids (with help from Dad) enjoyed roasting hotdogs, marshmallows and even made baked beans. In fact, my 9-year old daughter insisted that we cook "hobo" meals for her and her

friends on her birthday. A "hobo" meal is some ground beef, vegetables (carrots, potatoes, etc), a bullion cube and a tablespoon of water wrapped in a double-layer foil pouch, which is placed on the hot coals for about 20 minutes. They are very yummy. Finally, what really pleases me with the ExtendaSwim is that wood is cheap (especially after the hurricanes) and you can heat the pool when you want to swim. Unlike solar, gas or electric heaters where the tendency is to keep them running even though you may not be available to swim and running up large gas/electric bills. When it is cold, with a little planning we can fire up the ExtendaSwim, go for a swim and have dinner ready for us when we finish.

Kind regards and many thanks,

Dan

adklump@earthlink.net



[Richard Norton - Rogers, Arkansas - 1997]

(Richard has a 16' x 32' in ground pool with 18,000 gallons)

My wife and I have had an 18,000 gallon, 16'x32' in-ground pool for over forty years and never had a heater, it never seems to fail if you plan a pool party the water cools off and spoils your party. In the summer of 1997, this happened to us and I decided to spend the money and get a heater. I live inside the city limits, so natural gas was available and I thought that'd be the way to go, when I checked with the pool company on heaters, the range of prices on heaters was \$1,500 up to \$2,500, and that was the delivered price only, then they told me a licensed plumber would have to run the gas to it. This cost was approximately \$1,000, Then they said I would need a licensed electrician to wire it in. This



was another \$300 to \$500, and then I had to have final inspection on all of it. Bottom

line, it was going to cost over \$3,000, and then I was faced with the cost of gas, which seems to go up with leaps and bounds. Needless to say, I decided against buying one and thought, "there has to be a better way". I was fortunate that my son and I own a business where we could build and develop our wood fired heater, we experimented with numerous versions until we had one that performed at the level that we wanted. I have had the heater for three years on our pool and am very pleased with its performance. In the spring when we open the pool the water temperature is usually 50-60 degrees and it takes 48 hours to raise the water temperature to 85 degrees. When I run the heater, I keep the solar thermal blanket on the pool.

This helps eliminate heat loss, especially during the night time hours. During the day, I add wood every 2 to 3 hours depending on the size of logs used and how seasoned or dry the type of wood. At night around 9 p.m. I fill the heater full of wood and close the draft control way down. The next morning around 7 to 8, there is still a good bed of coals and I start the process all over, most of the heating occurs during the day and nighttime is maintaining the temperature. During the three years I have used my heater, I have not used more than two ricks of wood in one season. Two years ago, a close friend of mine saw my heater and he wanted one for his pool, We built him one and he has experienced the same results. When I first started experimenting with these heaters, my wife thought I had lost my mind and she didn't want one. This spring I removed the heater to bring it to the shop to check it out for wear, etc. She said I better have it back before we open the pool. She wasn't going to swim in cold water. We decided that there had to be other pool owners that felt as I did, especially those living where natural gas was not available and we decided to start producing the Extenda-Swim Wood Fired Pool Heater.