

# Horizon Falls Fountain Instructions

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Welcome to the Water Wonders family. A few simple steps will ensure that your *Horizon Falls* remains a soothing, enjoyable fountain that brings the sights and sounds of nature to you. Two important considerations when choosing the proper location for your fountain are power source and a sturdy, mounting surface. Before you set your fountain up, decide where you are going to plug in the two cords that come with it. You have two options for plug in points: 1. Standard GFI wall outlet or 2. Recessed, switched GFI “clock box”. You must have or install enough clock boxes to accommodate each plug. Because of its weight, it is necessary to mount this fountain directly into wall studs whose centers are normally 16” apart. Assistance in mounting your *Horizon Falls* fountain is also required.

## Helpful Hints

**Before getting started, keep in mind these important points which will help ensure a successful installation and smooth operation of your new fountain.**

- Always wet slate before turning on pump.
- Always maintain a water level of approximately  $\frac{1}{2}$ ” from the top of the water pan.
- Be careful where the fountain is set up. Try not to place the fountain in a spot where it could potentially be bumped into or cause damage. Avoid delicate surfaces that could be damaged by splashing.
- Never use chemicals or copper cleaner on the fountain, as this will ruin the finish.
- Periodically wipe away any drops of water that have accumulated on the edge of the copper to help prevent oxidation.
- It is very important to rinse your slate clean of any slate dust or chips that may accumulated during shipping prior to assembling your fountain.

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## **\*\*Very Important\*\***

### **Keep These Instructions with the Fountain**

In order to maintain the beauty and function of your fountain, it is very important that these simple steps are taken to ensure satisfaction for years to come.










## **Maintenance and Operation Techniques**

- **The use of distilled water is highly recommended. This will prolong the life of the pump, and greatly reduce the occurrence of mineral build-up.**
- **Maintain a water level of less than 1/2" from the top of the pan by periodically adding water. Do not allow the pumps to run dry.**
- **Wipe away any excess water that may accumulate on the copper surfaces. Water on the outside of the copper will accelerate the verdigris (copper turning green) process.**
- **Use Pledge Furniture Polish with wax to help maintain the original finish of the copper. Spray the Pledge on a soft cloth and wipe the copper. This should be done 3-4 times a week.**
- **If you have a clear coated fountain...To clean the clear coated components of your fountain, use mild soap and a damp rag to remove stains and dust. Then take a damp rag that has no soap on it to clean off the soap residue.**
- **If the fountain is splashing, there are several steps that can be taken.**
  - **Make sure the water disperser is pulled tightly against the top of the slate**
  - **Run your hand over the copper disperser and the slate to get the water to stick to the slate and flow properly.**
- **Every four months, it is a good idea to clean the pump. The pump can be taken apart by sliding the plastic face off of the pump body, and the magnetic impeller can be removed and cleaned with a calcium/lime/rust remover.**

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TOOLS NEEDED	HARDWARE SUPPLIED
<ul style="list-style-type: none"> <li>• Philips® Head Screw Driver and Standard Head Screw Driver (Power Screw Driver Optional)</li> <li>• Hammer</li> <li>• Level</li> <li>• Tape Measure</li> <li>• Stud Finder</li> <li>• Pencil</li> <li>• Masking Tape</li> <li>• Cordless Drill</li> </ul>	<ul style="list-style-type: none"> <li>• Zinc #12 x 1_” Hex Head Screws (x4)</li> <li>• Zinc #8 x 1” Pan Head Screws (x2)</li> <li>• Zinc EZ-Ancors (x4)</li> <li>• Zinc #12 x 2-1/2” Recessed Head Screws</li> <li>• Drywall Screws (x2)</li> </ul>

<b>1 LAYOUT AND ASSESS COMPONENTS</b>			
<p>Lay all the components of your fountain out in a clear space on the floor. All power cords exit behind the Water Reservoir unless they are to be plugged into a recessed, switched “clock box” outlet behind the Slate. We always stipulate a Ground Fault Interrupt (GFI) type outlet with any fountain. It is a good idea to measure the slate before installation and decide at which height you would like it to hang. Remember, do not hang the slate too high or too low in order to avoid exposing the light fixtures.</p>			
Side Rails (x2)		Dispenser	
Pan Brackets (x2)		Light Hood	
Pump		Pan Shroud	
Splash Guard		Reservoir Pan	
Wall Bracket		Slate	Not Shown

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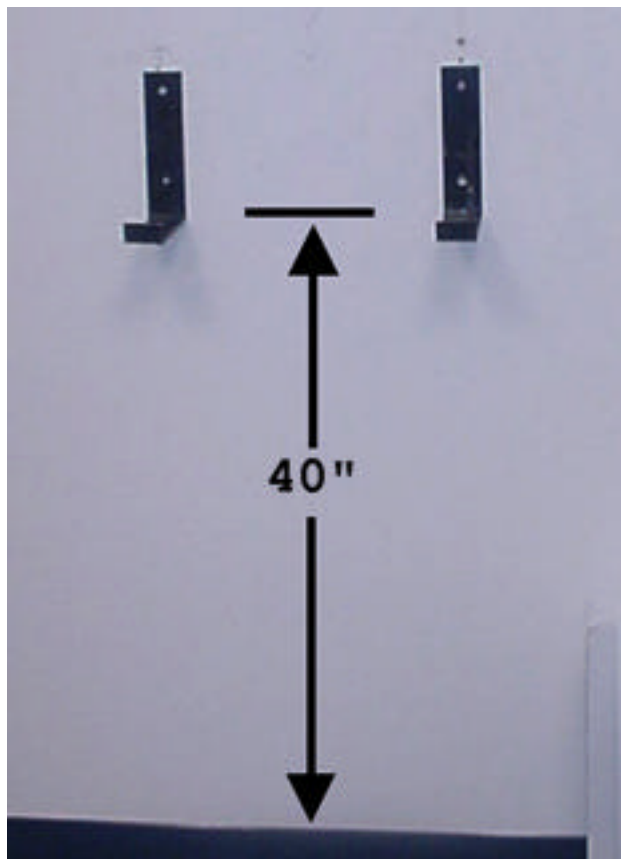
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## 2 INSTALL PAN BRACKETS

Determine where on the wall the fountain will be mounted. It must be mounted into studs, wood or metal. Once the studs have been located, the pan brackets can be installed. The height used in the example is 40" from the floor, however this height is not required. 16" on-center studs are used in the example.

Mark the center of the studs 40" up from the floor. At this point, hold one of the black L-shaped pan brackets up to the wall with the bottom of the bracket at the 40" mark. Use a pencil to spot the two holes for mounting. Do the same for the other bracket on the adjacent stud.

Use a 1/8" bit and drill a pilot hole into the four previously marked holes for the pan brackets. Do this for both wood and metal studs. Install the brackets using the supplied #12 x 2-1/2" recessed head screws, two in each bracket. **When installing into metal studs, be careful not to over-tighten the screws by installing with a hand-held screwdriver. Otherwise, the studs can be stripped.**



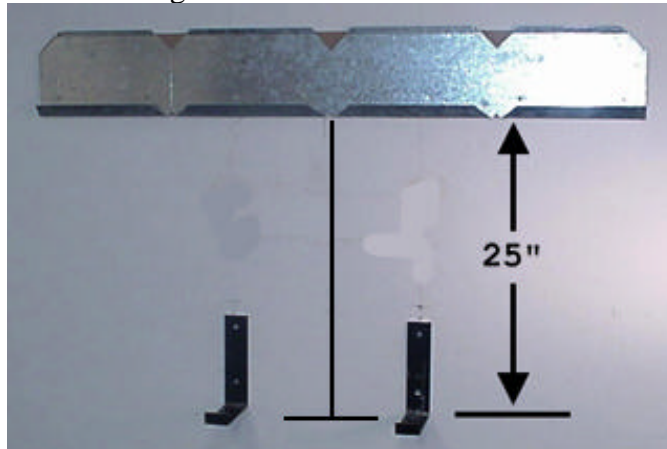
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## 3 INSTALL THE GALVANIZED WALL BRACKET

The wall bracket has been pre-drilled with 4 holes, each one 16" apart to go into studs. E-Z Ancors can be used for up to 2 holes, but fountain must be mounted using at least 2 studs and 2 E-Z Ancors.

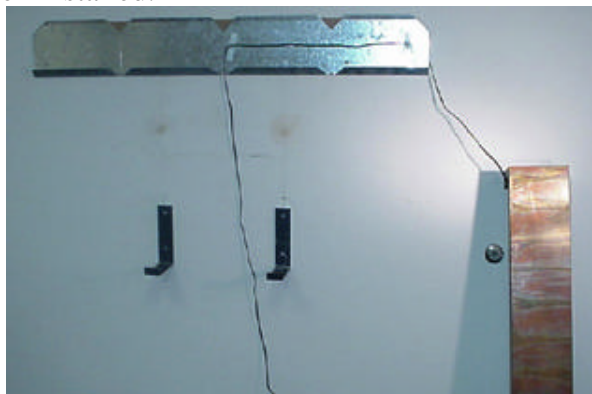
1. Measure 8" to the center between the previously installed pan brackets. From this point, measure up from the bottom of the pan brackets 25". This will be the middle of bottom edge of the wall bracket.



2. Hold the bracket up at this point; making sure that it is centered with your mark. Install one of the #12 x 1-1/2" hex head screws into an outside hole by pre-drilling into the stud. Once that one end of the bracket is secured, the three other holes can be pre-drilled by holding up the bracket and using a level to mark the remaining holes. Secure with the remaining hex screws.

## 4 PREPARE THE LIGHT HOOD FOR INSTALLATION

In order to properly hide the electrical cord from the light hood, it is necessary at this point to tape the cord to the wall bracket and run the cord between one of the notches in the bracket. Stand the light hood on its end and run the cord as illustrated below. If a recessed clock box outlet is being used, you may plug it in at this time, making sure the box is switched off. The tape is critical so that the slate bracket does not cut the cord when installed.



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## 5 INSTALL THE RESERVOIR PAN

Before setting the reservoir pan in the brackets, place the pump into the pan. If the electrical outlet is below the fountain, run the cord through the notch in the back of the pan, and down behind the pan.



Make sure the cord is on the outside of either pan bracket to make pump adjustments easier. If the pump is being installed in a recessed clock box behind the fountain, it must now be plugged in, being sure that the outlet is switched off. Lift the pan into the pan brackets and center the pan.



Turn the pump pressure all the way to the lowest position with the knob on the side of the pump. Set the provided scotch brite pad underneath the pump to help eliminate vibration noise.

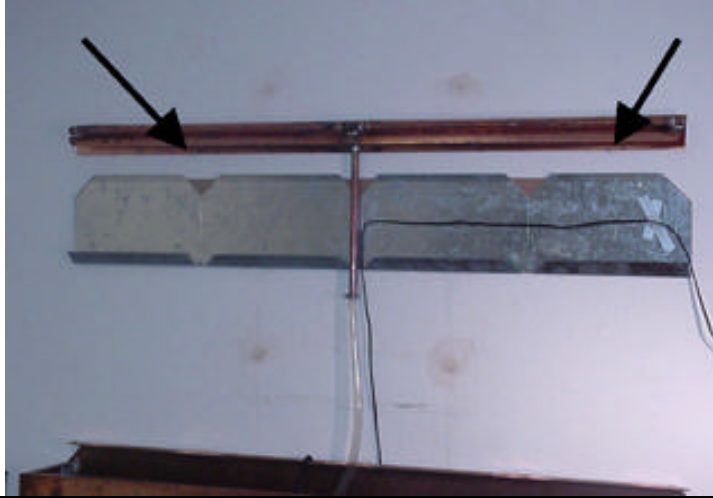


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## 6 HANG THE WATER DISPERSER

Insert two drywall screws approximately 1-1/4" up from the top of the wall bracket on each end of the bracket, as indicated by the arrows in the picture below. Use these temporary screws to hold the water disperser above the wall bracket so that the slate can be installed. Run the disperser tubing down through the notch in the center of the wall bracket.



## 7 HANG THE SLATE

- Uncrate the slate by removing the outside piece of OSB board, and then removing the 2x4 brace that supports the slate. Notice the bracket that has been anchored to the back of the slate. This will hook on to the lip of the wall bracket. The center notch on the bracket allows for the water disperser to run through it. Using two strong people, lift the slate up and hang it on the wall bracket. Center the slate with relation to the reservoir pan.



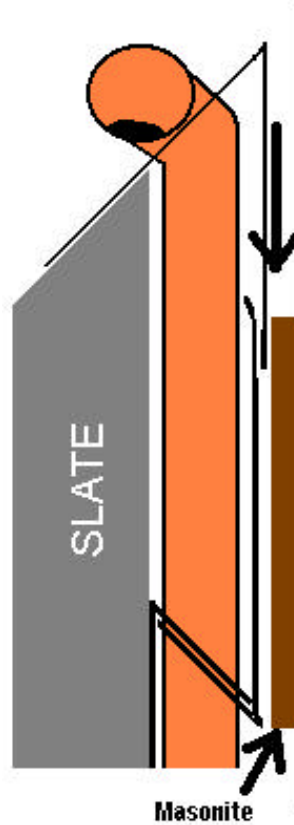
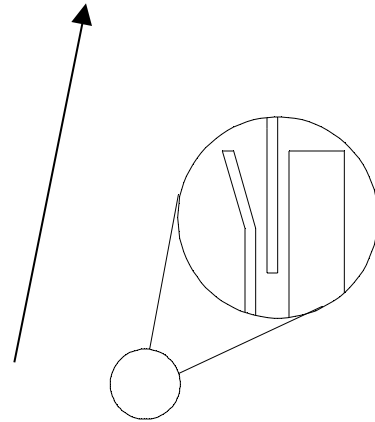
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- With the slate hung, the drywall screws can be removed. The disperser can be lowered onto the top of the slate. **VERY IMPORTANT: The copper edge of the disperser slides down between the bracket and the masonite backing that is attached to the wall.**

Exploded view of the disperser fitting between the galvanized wall

disperser  
to the back  
wall



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- Attach the vinyl tubing to the nozzle on the pump by simply sliding it over the nozzle



## 8 INSTALL THE SPLASH GUARD

Set the copper splash guard into the pan in front of the slate with the patina side facing outwards.

## 9 INSTALL THE SIDE RAILS

The two copper side rails have a hemmed edge and a straight edge. The straight edge will slide between the wall bracket and the masonite, just as the water disperser did in Step 7, but on the side of the bracket. Slide each one down into the pan, over the sides of the splashguard so that it holds the splashguard in place.



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## 10 TEST BOOT-UP

With everything installed except for the light hood, it is now time to test the fountain.

- Fill the fountain with water to within 1/2" from the top of the pan. Distilled water is preferred, as this will prolong the life of the pump, and keep the disperser from being clogged.
- Spray the entire slate with a water bottle to help the water flow evenly
- Plug in the pump. Water will exit out of the holes drilled in the copper pipe of the disperser at the top. Run your finger along the copper transition from the pipe to the slate, pulling the streams of water together. Water should be flowing evenly over the entire face of the fountain.
- Wipe off any drops of water that have splashed onto the copper during boot-up, and install the copper pan shroud by clipping it over the top ledge of the pan.
- These steps will be necessary every time the fountain is started after it has been shut down, although the light hood does not have to be removed to do this.

## 11 INSTALL THE LIGHT HOOD

- Using two people, hold the light hood up and slide it down over the face of the fountain. The bottom of the light hood should be positioned 22" from the top of the pan. Center the light hood, make sure that it is level, and mark the two spots on the wall where E-Z Ancors will be installed.
- Remove the light hood and install E-Z Ancors (2). To install E-Z Ancors, drill a pilot hole into the wall with a 1/8" bit. Push the tip of the anchor into the hole until it reaches the edge of the threads on the anchor. Now use a screwdriver to install the anchor the rest of the way. It must be snug, but be careful not to over tighten.
- Replace the light hood, and secure to the wall with two #8 x 1" zinc screws. Use a long neck screwdriver to install so as not to damage the light hood.



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## MAINTENANCE:

- Check the water in your fountain daily - for a water level of **” from the top of the pan.** Water will evaporate from the fountain and adversely affect the performance of the water pumps, which MUST be completely submerged for proper operation and longevity. NEVER ALLOW YOUR WATER PUMPS TO OPERATE DRY!
- The pumps that are used are designed to provide exceptional pumping capacity with minimal maintenance. **Please read the manufacturer’s instruction sheet for important safety, operation, maintenance and warranty information. Pump cleaning and repair information can be found in the instructions section on the Water Wonders website. www.waterwonders.com**
- We have carefully hand-applied a patina finish to your fountain’s copper components. If you like this finish as much as we do, it can be protected from natural oxidation by applying Pledge or another household furniture polish with a soft cloth. DO NOT USE COPPER CLEANER, as this will remove the patina, leaving the original bright copper finish. However, should you wish not to preserve our finish, simply do nothing and allow nature to perform its own permanent patina.
- Periodically wipe away any water that has accumulated on the copper to help maintain its original finish.

## TROUBLE-SHOOTING:

- *Pump is too noisy:* Make sure the scotchbrite pad is resting beneath the pump, and it is not touching the back of the pan. Be sure the pump’s output nozzle is securely inserted into the fountain’s clear intake tube as forced water escaping the connection may cause unwanted air bubble noise. Make sure the pump is completely submerged.
- *Water does not flow:* Check for any kinks in the rubber tubing at the bottom of the slate. Make sure pump output nozzle is inserted into rubber intake tube, pump is completely submerged and the power receptacle is switched to an “ON” position.

***If you have any questions regarding the set-up or maintenance of your fountain please call your dealer.***

**Note:** Although Water Wonders Fountains are designed not to splash, sweating from condensation and splashing droplets can occur if set up incorrectly. As a precaution against water stains, please protect fine surfaces under and near fountain.