

Wall fountains:

#429 Lion (2pc) = 70 gph

#430 Dragon Fish (2pc) = 70 gph

#431 Nouveau (2pc) = 70 gph

#432 Tiffany (1pc) = 70 gph

#530 Rustico - Tier (1pc) = 70 gph

#498 Pearl (1pc) = 130 gph

#529 Rustico – Lion (1pc) = 70 gph

A. Materials Needed

1. Supplied with fountain: clear plastic hose, black rubber plug
2. To be purchased: pump (garden center), , household Vaseline (drugstore, pharmacy).
3. *For #429, #430, #431: 5 x 4" screw fastener (hardware store)*
4. *For #530, #529: 2 x 4" screw fastener (hardware store)*
5. *For #435 Tiffany: 2 x 4" Lag bolts (hardware store)*

****Note the bulk of these instructions are for the heavier Pearl fountain. All other wall fountains are much simpler to install.**

For #498 Pearl Fountain: two (2) 3/8" x 2" long carriage bolts with washers and nuts, and nine (9) #12 wood screws, 3" long, for hanging the fountain plate (if required for installation in drywall), one four-foot long 1"x 4" hardwood plate (if required for installation in drywall); metal anchors for the carriage bolts (if required for installation in stone, brick, concrete, etc.)

B. Procedure

- 1) **Test the pump** to make sure it is operational. A kitchen sink filled with six inches of water is sufficient. Only plug the pump into the electrical socket after the pump is submerged. Running a pump dry will destroy it. Also, examine any control on the pump so that once the pump is installed, you will know how to increase/decrease the flow of water. Removing a faulty pump from an installed fountain is time-consuming..
- 2) **Prepare the area** where the fountain will hang.
 - a) Concrete wall fountains **MUST** be hung from **heavy bolts** secured into a strong material. Light screws will bend under the weight when the fountain is filled with water.
 - b) For the #498 Pearl Fountain: In interior and exterior applications the fountain can be hung from bolts secured into a hard surface: stone, brick, wood, etc. Pre-drill

- two holes and install heavy-duty metal anchors that will accept the 3/8" carriage bolts.
- c) A concrete fountain can NEVER be hung directly on a drywall surface without adequate reinforcement. When hanging is desired on a dry walled/gyp-rocked surface, **a steel or hardwood plate** must be installed over the dry wall/gyp-rock and fastened securely to the wooden studs behind the wall. Often a 1"x 4" piece of hardwood, about 4 ft. long, is sufficient for the #498 Pearl Fountain. For our smaller fountains a 18" piece will span the gap between traditional studs.
 - i) Locate and mark the position of the **studs** behind the drywall.
 - ii) Place the centre of the hardwood **plate** on the wall at the point where the centre of the fountain hanger is to be located. Using pre-drilled holes lightly tack the hardwood plate to the studs (spanning three studs is best; two is sufficient.)
 - iii) Locate and **mark the desired position of the fountain** on the plate. Mark the location of the edges of the fountain to the left and right of the hanger. Try to adjust the fountain placement so that it will completely cover the plate.
 - iv) While the fountain is being held temporarily in place, have someone draw a light pencil line giving the exact location of the fountain hanger on the plate. Note that this hanger is NOT LEVEL and the bolts must be installed in the plate accordingly.
 - v) Remove the plate from the wall.
 - vi) Using the line drawn to locate the hanger, **drill two holes** for two bolts, one toward each end of the hanger.
 - vii) Using two 3/8" carriage bolts, each 2" long, **mount the bolts into the plate**. Leave a space of about 1/2 inch between the head of the bolt and the plate. Secure the bolt with a washer and nut on the back of the plate.
 - viii) **Replace the plate assembly on the wall** using only a couple of screws. An indentation will have to be cut or punched into the drywall to accommodate the backs of these bolt assemblies, thus allowing the plate to sit flush on the wall.
 - ix) **If the plate is not covered by the fountain**, two options are available:
 - a. Use a **longer plate** allowing equal amounts of the plate to extend beyond each edge of the fountain (so that the fountain appears centred on the plate.) Noting the location of the studs, cut the plate to the desired length. Then paint, stain or wallpaper the plate.
 - b. Alternatively, **cut out** a portion of the drywall **and install** the plate with bolts directly onto the studs. Put new drywall over the plate leaving the bolt heads protruding about 1/2 inch. Repaint the drywall.
 - x) Remove the fountain and completely **install the plate** using three screws (each a #12 wood screw, 3" long) per stud.
 - 3) **Install the pump**. Clean the fountain bowl of any debris. Place the pump in the fountain bowl running the electrical plug through the white plastic pipe. When pulling the cord through, leave about eight inches between the pump and the fountain wall.
 - 4) Make sure the walls of the **white plastic pipe** in the fountain (through which the pump cord passes) are **clean**. The black rubber plug needs to seat well into this pipe to prevent leakage.

- 5) Open the slit in the side of the **black rubber plug** and place the pump cord into the centre of the plug. Place the black rubber plug into the white plastic pipe in the fountain back, thus making a watertight seal around the pump cord. Make sure the top of the plug is pushed in tightly and the slit in the plug is completely closed. Adding Vaseline to the rubber plug allows easy removal, and superior water sealing.
- 6) Check both the top and bottom of the **copper tubing** inside the bowl and where the water exits to make sure they are not blocked.
- 7) Take the **½ inch plastic hose** and connect the copper tube in the bowl to the pump. The hose should slide easily onto the nipple on the top of the pump.
- 8) **Fill the fountain with room-temperature water.** Cold water poured into a warm fountain can cause the bowl to crack. The reverse is also true.
- 9) **Plug the pump into your source of electricity.** Always use properly grounded circuits and extension cords.
- 10) **Adjust pump** for desired water flow.

Reminder: Fountain bowls and pumps **CANNOT BE ALLOWED TO FREEZE WITH WATER IN THEM.** If used in an unheated environment (outdoors or unheated house), disassemble and store in winter.