Center Stacked Fountain Assembly

These fountains are 3-5 pieces similar to the tiered fountains but smaller. Some will have separate pump housings under the fountain top and others will have a hollow cavity in the fountain top itself. A few will also have a second spill bowl or umbrella.

Getting Started

Electrical Requirements: **Most fountain pumps require a minimal electrical supply of less than 1 amp/120 volt. However, because of its use underwater, a (GFC) ground fault circuit is recommended and required by law in most areas. At the very least, a grounded outlet should be used for power to the pump within two to three feet of the fountain base pedestal.**

Foundation Requirements: **The larger your fountain the sturdier the foundation needs to be. If you are able to install the fountain on a level concrete slab, blacktop, or concrete pavers, you should have no problems with your foundation. If your location is on soil or grass, David's Patio recommends one round or four square concrete stepping stones to pave an area 50% larger than the base of the bottom pedestal. This will insure no shifting of your fountain when the ground gets wet or soft.**

Tools & Supplies Needed

Carpenter's Level or Water
Window Caulking (Similar to clay or silly putty - soft and will not harden)
Clear plastic poly tubing - ½"I.D with some fountains
Tape measure or ruler
Clear silicone
Plastic Wedges (wobble wedges)
Knife or scissors
"Y" splitter and flow ring restrictor (Dbl Dolphin Fountain only)

Precautions

Concrete Is Heavy: **Most fountains require more than two hands to assemble. Because of this, we recommend inviting a friend or two for assembling your new fountain.**

Concrete Is Fragile: **As hard as a rock, concrete will withstand thousands of pounds of pressure, but one blow with a hammer or lawn mower will do permanent damage. When stacking pieces or setting them down on concrete patios or driveways, do it very carefully; even pad them if you can.**

Concrete Will Freeze: **Special bio-friendly chemicals were used to make your fountain as impervious to water freezing as possible. Painted, or sealed, never assume your fountain is waterproof. Before freezing temperatures arrive, fountains should be electrically disconnected and drained. Sometimes covering the fountain or disassembling and storing the bowls upside down is highly recommended. Remember frozen water expands, and a frozen fountain and pump are not any more fun than the pot hole in the road.**

Assembly Hints

1. Different types of levels can be used when leveling fountain bowls. If your carpenter's level is too short, set it across the spills on a straight rod. A line leveler can be used by stretching a string across the bowl spills. If you don't own a level, don't go out and buy one; a garden hose and a bucket of water will do even better.

2. Tubing can very easily kink during assembly. After assembling each fountain level, blow through the tubing to the pump. If the air won't go down, the water can't come up. This check could save you backing up one or more steps.

3. Caulk around tubing going through bowls and under bowls on contact surfaces.

Assembly Instructions

1. Place the pedestal on the prepared foundation.

2. Place the fountain bowl on the pedestal.

3. The fountain pump can now be set in the center of the bowl. Larger fountains will have an electrical cord cork which will exit near the center of the bowl and through the bottom pedestal. A little silicone around the cord and the cork will insure a good water-tight seal. If no cork seal is available, the electrical cord will have to exit over the bowl in the least visible place.

4. If a pump housing is part of this fountain, place it over the pump with the cord in the cut-out provided in the bottom edge of the housing.

5. Measure the distance from the pump to the bottom of the fountain top. This will be the length of tubing required.

6. If the tubing in the fountain top is long enough and can be pulled through the fountain top through the bottom, no more will be required. Be careful not to pull the tubing completely out as it is difficult reinserting. If the fountain top has copper tubing, it will require flexible tubing to connect the pump and top.

7. Cut the tubing to the required length, connect the pump and top, and gently set into place. Make sure the pump is as low as possible in the bottom bowl for good water circulation.

8. If an additional drip bowl or umbrella is part of your fountain, press a little caulking or silicone around the tubing and set the bowl in place.

9. Fill the bottom bowl completely and plug in your fountain. If leveling adjustment is necessary, this will best done under the bottom pedestal or between the pedestal and the bowl.

10. Double Dolphin fountains require a "Y" fitting after the pump and sometimes require a restrictor ring on one line to adjust the water flow. The restrictor ring is adjusted by pinching the ring with a pair of pliers to pinch off the higher water flow of one side of the fountain.

Trouble Shooting

No Water Pressure: Kinked Hose	**Reassemble Fountain**
Dirty Pump Filter	**Clean pump**
Faulty Pump	**Requires new pump**
Bubbles or Foam: Low Water Level	**Add water**
Organic Contaminant	**Drain and refill**
Water Disappears: Spillage/Splatter	**Slow down water flow**
Wind	**Turn off fountain (timer)**
Evaporation	**Refill fountain**
Leaks at Power Cord	**Seal w/waterproof sealer**
Capillary action	**Tilt fountain top bowl forward**