



WATER
GARDENING
SERIES

Pondless Water Features

A simple way to add sound and movement of water into your landscape that is practically maintenance free.

MATERIALS LIST

Pot or rock

Rubber liner or preformed liner

Metal grid (comes in three sizes 24 inches, 36 inches or 48 inches)

Concrete blocks (usually three)

Pump

Tubing

Metal cutter (used to cut hole in metal grid)

Fountec or Algae Destroyer (for maintenance)

Shovel

Gloves

Decorative rock (placed on top of metal grid and around edges)

Things to consider when deciding on the location of you water feature:

1. Soil condition: you will need to be able to dig a hole approximately 16 to 18 inches deep.
2. A power source: the pumps for most features have a 16- to 18-foot power cord, and they need to be plugged into a GFI outlet.
3. Choice of liners: preformed versus rubber:
 - Rubber Liner:
 - Easier to disguise (to place rock around)
 - Flexible: any shape or size of reservoir can be made
 - Easier to set boulder and pots in
 - Makes the water feature more natural looking
 - A lot cheaper than preformed
 - We offer a variety of liner sizes: 5 feet and up

Preformed Liner:

- Faster to set up
- Not as much work to install
- Harder to disguise and make to look natural
- Usually not deep enough for fish
- Shape and size cannot be altered

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www.TsugawaNursery.com
410 E Scott Ave, Woodland, WA 98674 (360) 225-8750

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Creating a water reservoir for your water feature:

The size of the reservoir (the hole) that needs to be dug depends on the width and height of the rock or pot. You will want to allow for at least a 12 inch buffer all the way around your rock or pot. Another thing to take into consideration is the amount of water to be pumped. The bigger the splash the bigger the reservoir.

Example: A column of pot that is 3 feet tall and 12 inches wide needs a minimum of 24 x 16 in reservoir + small flow (water trickling over the edge) but...

If you want more splash or sound, then a bigger reservoir is needed (as well as a bigger pump).

If using a rubber liner dig the hole with a 2- to 3-inch ledge. This ledge will be used to support the round metal grid. We recommend the depth being around 16 inches as this is the size of the concrete block used to support the pot or rock.

Directions:

- 1.** Dig reservoir (see above)
- 2.** Install liner
- 3.** Place concrete brick in a triangular pattern on the bottom of hole to support rock or pot
- 4.** Install pump – make sure you put it where it is easily accessible so it can be maintained
- 5.** Lay metal grid over hole, mark where pump will be so that a hole can be cut (with metal cutters) so you will have access to pump
- 6.** Remove grid from reservoir, and cut hole
- 7.** Attach the tubing to pump, and work it through one of the holes on the grid as you are installing the metal grid.
- 8.** Place the boulder or pot on grid, on top of the concrete blocks: gently tip back boulder or pot and attach tubing and gently place boulder or pot back in an upright position
- 9.** Fill water reservoir
- 10.** Plug in pump
- 11.** Apply decorative rock around feature
- 12.** Congratulations, your water feature is done!
- 13.** Remember, you will need to apply **Fountec** or **Algae Destroyer by Aquarium Pharmaceuticals** to prevent algae growth
- 14.** Never add bleach to water this may damage pump