



PROECO
PRODUCTS

Installation Instructions

WS-300 Waterfall Starter



ProEco Products WS-300 Installation Guide:

1. Choose WS-300 Waterfall Starter Location
 - a. The WS-300 Waterfall Starter is best positioned so that you can view it from the outdoor and indoor areas where you plan to enjoy your new water feature.
2. Install Diffuser Mat
 - a. Position the black diffuser mat horizontally in the middle of the WS-300 Waterfall Starter. It should pinch into place easily.
3. Assemble WS-300 Waterfall Starter Plumbing
 - a. Your ProEco Products WS-300 Waterfall Starter has two spinweld fittings, one on each side of the bottom of the WS-300 Waterfall Starter. Choose which side your feed/hose line will come in and thread the PVC male adapter into that spinweld (use the Teflon Tape included on the threads first).
 - b. Thread the PVC plug into the remaining spinweld. Use the Teflon Tape included on the threads first.
 - c. If desired, you can use the second spinweld for a second pump line.
4. Position WS-300 Waterfall Starter
 - a. Compact the area where the WS-300 Waterfall Starter will sit to prevent future settling. The WS-300 Waterfall Starter should sit level from side to side and should be tilted forward slightly (about ¼ bubble on your level) to ensure that the water flows forward through the spillway.
5. Hook-Up Flexible PVC Pipe
 - a. The 22" WS-300 is plumbed to accept 2" Flexible PVC Pipe. We recommend using Flexible PVC pipe as it is very flexible and easy to work with.
 - b. Using PVC Primer & Cement, glue the flex pipe into the PVC male adapter.
6. Attach Liner to WS-300 Waterfall Starter
 - a. Bring the liner up to the face of the WS-300 Waterfall Starter and check the positioning of the liner against the WS-300 Waterfall Starter. Use the liner clips (included) to temporarily hold the liner to the WS-300 Waterfall Starter. The liner should follow the contours of the stream and the face of the WS-300 Waterfall Starter. It is a good idea to leave a little slack in the liner where it transitions from the stream bottom to the face of the WS-300 Waterfall Starter. This will ensure that the weight of the rocks used in the falls will not pull down on the liner once it is attached to the WS-300 Waterfall Starter.
 - b. Kneel in front of the WS-300 Waterfall Starter and have the following within reach: cordless screwdriver, 5/16" nut driver bit, weir (included), silicone (included), stainless steel screws (included), utility knife (with new blade), and a clean rag.
 - c. Kneeling in front of the WS-300 Waterfall Starter remove the liner clips and fold the liner back toward you leaving it to rest on your lap. Using the clean rag wipe down the face of the WS-300 Waterfall Starter around the area where silicone will be applied. Also clean the area on the liner that will be coming in contact with the area you cleaned on the WS-300 Waterfall Starter.
 - d. Apply a bead of silicone along the sides and bottom of the opening on the face of the, keeping the silicone bead centered the entire way.
 - e. Bring the liner back up into position against the face of the WS-300 Waterfall Starter. Hold the liner in place again with the liner clips to help keep it from moving around as we prepare to attach the weir. Gently run your fingers along the liner over the area where you applied the silicone and flatten the bead out slightly. This will help ensure a more even distribution of the silicone as we compress it when we screw down the weir.
 - f. Bring the weir into position. The weir has a return edge that will make it easy to hold it against the WS-300 Waterfall Starter in the correct position. Once in position begin driving the stainless screws into place. Start with the top screw on the left and right first to hold the weir in position. Continue driving screws into the remaining pilot holes on the weir with your next screw going into the middle hole on the weir.
 - g. Carefully trim out the section of liner inside of the waterfall area to open the channel where the water will flow through.

- h. Use the remaining silicone to run an additional bead along the joint where the WS-300 Waterfall Starter, liner, and weir come together. Smooth out the bead using your finger.
- 7. Install Diffuser Mat
 - a. Position the black diffuser mat horizontally in the middle of the WS-300 Waterfall Starter. It should pinch into place easily.
- 8. Install Landscape Lid
 - a. The ProEco Products Landscape Lid allows you to make the open top area of the WS-300 Waterfall Starter disappear into the landscape. Position the Landscape Lid on the WS-300 Waterfall Starter. The most popular method of disguising the WS-300 Waterfall Starter is to plant aquatic plants within the channels of the landscape lid. Add pea gravel to fill the rest of the channel and landscape lid area. There are holes in the bottom of the landscape lid that will allow water to wick up to the root system of the plants. Other options include hiding the WS-300 Waterfall Starter using mulch or gravel. Adding in some driftwood is a nice touch as well.
- 9. Bonus Feature
 - a. Use Landscape Foam to fill in the gaps of the rockwork leading up to the WS-300 Waterfall Starter. The foam will force the water on top of the rockwork rather than around and behind it where it can't be seen. This will give you a much more dramatic waterfall display!