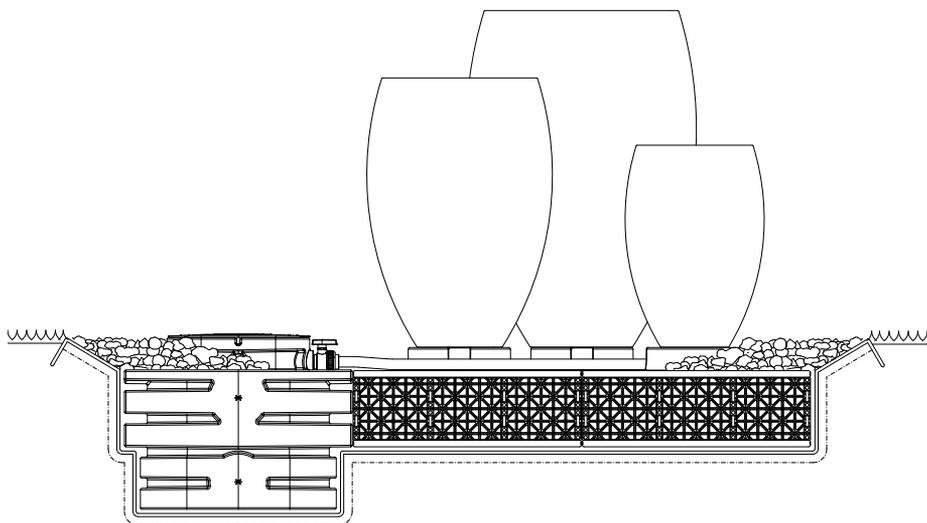




Atlantic®

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Product Manual



ECORISE12 - 88837 | ECORISE20 - 74970
ER3WAY - 89581 | ERKIT3 - 90163

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Introduction

Thank you for choosing Atlantic's Eco-Rise wSystem, the fastest and easiest way to create and plumb any large decorative fountain feature.

The Eco-Rise System is comprised of four elements: ECOBLOX-SMALL structural water matrix blocks; PV7500 Pump Vault for the pump and accessories; ECORISE12 and ECORISE20 weight distributing risers that lift and supports heavy items to facilitate plumbing them and the Eco-Rise Diverter which adjusts the flow to three decorative pieces. Combined with a pump and liner, these elements create a weight-bearing reservoir that can deliver water to as many as six individual decorative elements, each weighing up to 3000 lbs.

Reservoir Design And Siting

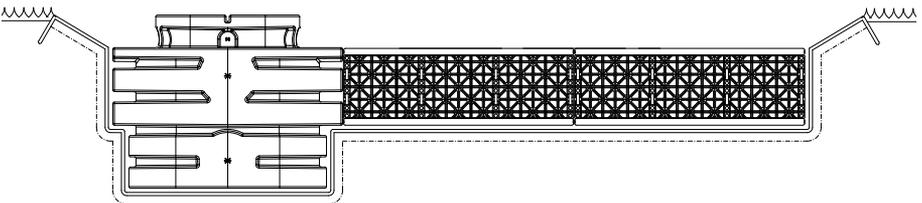
The size of the reservoir depends on the size, height and number of the decorative fountain elements. For a general rule of thumb, the basin should extend out at least twice the height of the decorative elements in all directions. A three-foot-tall by one-foot-wide column would require a seven-foot splash zone. The Eco-Blox reservoir only needs to be large enough to support the decorative items. The liner can then be oversized to create a 'splash skirt' around the basin to recapture as much water as possible with minimum additional excavation.

Once you have determined the size and shape of the reservoir, lay out the Eco-Blox and Pump Vault. The Vault should be placed at the perimeter of the excavation where the lid can be accessed easily, typically closest to the electric service. Make sure the pump cord will reach.

Excavation & Installation Of Reservoir

After determining the size and shape of the reservoir, excavate at least a foot wider and longer than required to leave room for backfilling. Excavate the entire area of the basin to a depth of 13". This will accommodate one layer of Eco-Blox Small plus the gravel to hide the reservoir. Dig the area where the PV7500 Pump Vault will sit 7½" deeper to accommodate it. The additional depth will help ensure the pump remains completely submersed. Level and tamp the bottom, then cover the bottom and sides with underlayment to protect the liner, carefully working it into the corners and the deeper Vault area. Set the liner over the underlayment, leaving the edges above the finished grade all around. An additional layer of underlayment may be added for greater security.

Set the Pump Vault in the deep pocket, then install the Eco-Blox. The top of the field of blocks should be level. Pull the liner up snugly without lifting the blocks and fold it over the top of the Eco-Blox, then do the same with the underlayment. Backfill evenly all the way around the blocks in 6" lifts, tamping the soil in as you go, being careful not to push the Eco-Blox out of place, until the fill reaches the top of the blocks. Grade outside of the reservoir to create a bowl that will return splash to the reservoir. Creating a slight berm at the outer edge of the bowl will keep runoff from entering the basin.



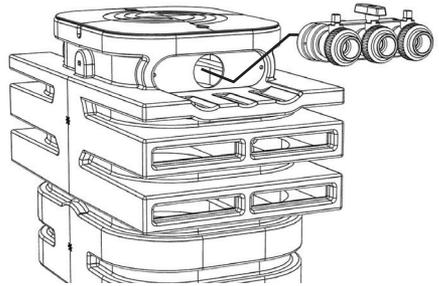
Plumbing The Pump Vault

The PV7500 comes pre-drilled for use with the Eco-Rise Diverter for multiple features or 1½" pipe for a single larger feature. If multiple pumps are needed, the other side will need to be drilled. Bore a 2" diameter hole using the molded drill point as a guide.

Eco-Rise Diverters mount in the molded pockets on the neck of the PV7500 Pump Vault. Either one or two may be used, but each should be plumbed to its own pump. Insert the Diverter into the hole in the pocket and secure with the supplied hardware.

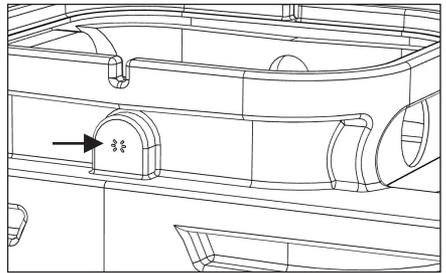
Next install the pump and Triton Check Valve, following the instructions included with the Check Valve. Cut the Check Valve discharge pipe at Perfect Cut Line B for TT1500, TT2000, TT3000 and TT4000. Determine whether you need the 2" outlet fitting for the Eco-Rise Diverter or the 1½" fitting for 1½" pipe. Set the finished assembly in the Vault and attach to either Diverter or pipe.

The AF1000 Automatic Fill Valve is optional but strongly recommended to keep the water level in the reservoir safely above the pump, avoiding pump burnout. Mounting locations are provided on either side of the PV7500. Follow the Auto Fill instructions to install.



TR215CV Perfect Cut Chart

	PV7500
TT1500	B
TT2000	B
TT3000	B
TT4000	B



Plumbing Decorative Features

Using the Eco-Rise Diverter or Eco-Rise Plumbing Kit (Model: ERKIT3)

The Eco-Rise Plumbing Kit includes 25' of 1" Sch40 Flex Pipe and three 1½" MPT x 1" socket bushings to connect to Hammered Brass Bowls and Aura Vases, but can be adapted to any style decorative element.

Set the decorative pieces in their approximate locations, layout the pipe to determine pipe lengths and cut accordingly. Connect pipe to the outlets of the Diverter using standard PVC solvent cement.

For Hammered Brass Bowls, Aura Vases, Copper Spillway Bowls or any feature with 1½" FIPT inlet. Install the 1½" MPT x 1" socket bushings into the 1½" inlet on the decorative feature. Glue the 1" pipe into the bushing and set the decorative element on the Eco-Rise. Repeat for any additional elements.

For any decorative elements that accept 1" Flexible PVC, glue a 1" Sch40 90° elbow (not included) onto the 1" pipe and glue a short length of 1" Sch40 PVC Flex Pipe into the other end of the elbow. Insert the short length of pipe into the bottom of the decorative element and set on the Eco-Rise.

Alternate installations. The 1" pipe may be secured in a number of different ways, depending on the design of the decorative element. Some pieces may be secured by putting a 1" elbow directly into the bottom of the piece. Alternately, you may wish to attach a standpipe to the elbow, which works well with vases, or run the flex tubing up through the decorative piece to the top, often done with cored boulders or basalt columns.

Using 1½" Pipe

Run 1½" Pipe directly out of Pump Vault into any decorative element that accepts 1½" Pipe.

Fill & Adjust

Fill the reservoir. Adjust the Auto Fill if installed. Plug in the pump and adjust the flow of water to the piece as needed to achieve the desired effect. Then top the plumbing and Eco-Rise(s) with gravel to hide the infrastructure and complete the installation.

Warranty

The Atlantic 12" and 20" Eco-Rises carry limited lifetime warranties. The Eco-Rise Diverter and Eco-Rise Plumbing Kit carry a one-year warranty. This warranty is extended solely to the original purchaser commencing from the date of original purchase receipt. Misuse or abuse of any product voids this warranty. This warranty excludes labor/cost of labor for removal or installation of any product.

Warranty Claims

In case of warranty claims, the complete product should be returned to the place of purchase accompanied by original receipt.