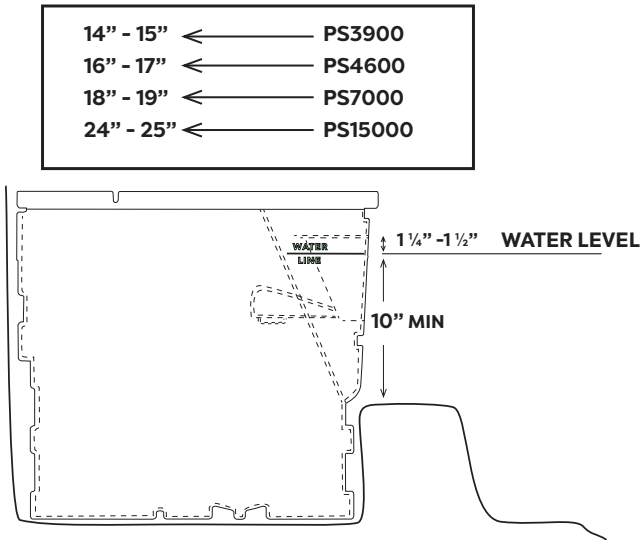


# Skimmer Installation

## Excavating and Setting the Skimmer

Prior to setting the skimmer you must first determine the surface level of the water in the pond. Once the water level has been set you can excavate for the Skimmer. The excavation should be a few inches wider and longer than the Skimmer body. Find your model number below to determine the approximate depth of the hole.

Do not dig too deep. The skimmer should be set on undisturbed earth if possible. In the case that you over-dig, be sure to compact the soil thoroughly to prevent settling. The bottom of the hole should be level side-to-side and front-to-back.



Place the Skimmer enclosure into the excavated hole. Check the top of the enclosure to make sure that it is level front-to-back and side-to-side. Check where your pre-determined water level falls on the face of the Skimmer enclosure. The water level needs to be between 1/4" and 1/2" below the top of the weir door opening and/or even with the water level indicator molded on the side of the Skimmer.

Make sure that any unexcavated soil that is left in front of the Skimmer is at least 10" below water level. See the drawing above. This will ensure that there is enough room for the weir door to be installed and function properly.

Before you go any further into the Skimmer installation, place a few stones inside the Skimmer enclosure to weigh it down and keep it from moving. Install the solid support bar(s) and begin backfilling. The support bar(s) must be in place for the enclosure to retain its shape during the backfilling process. Loosely backfill the enclosure on all sides, lightly compacting as you go. Do not over-compact the soil. Aggressive compaction may deform the enclosure and cause components to fit improperly.

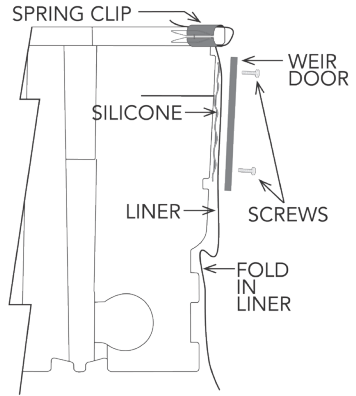
## Attaching the Liner

Hold the liner up against the face of the Skimmer, allowing a minimum of 2" to extend above the top of the enclosure. Be sure to leave some slack in the liner below the weir opening. This will help avoid any future strain on the liner connection if the soil settles.

Make sure that the front surface of the Skimmer and the back side of the liner are clean and free of debris.

When you are satisfied with the position of the liner, clip it in place with the provided spring clips. With a sharp razor knife, cut a hole in the liner for the weir door using the hole in the face of the Skimmer as a guide. When you are finished, remove the spring clips and pull the liner away from the face of the Skimmer. Apply Atlantic's fish-safe RTV Silicone Sealant around the weir door opening on all four sides.

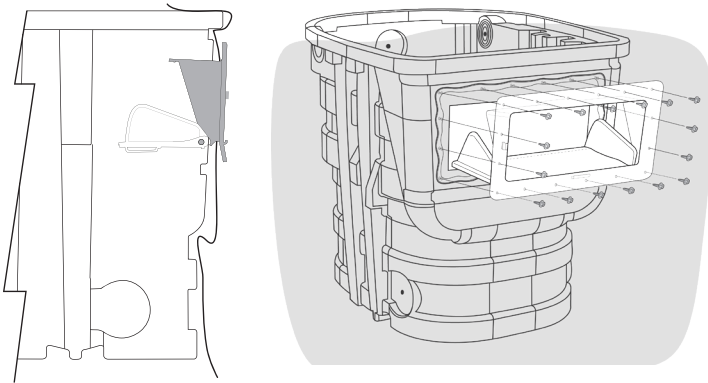
Apply the silicone in a full, continuous bead approximately  $\frac{3}{4}$ " away from the opening itself, directly on top of the bolt holes. Once you are finished, you can return the liner to its original position and replace the spring clips.



## Attaching The Weir Door

Unlatch the weir door and lower the door to its fully open position. Insert the weir door assembly into the Skimmer opening and push the weir door frame tight against the Skimmer face.

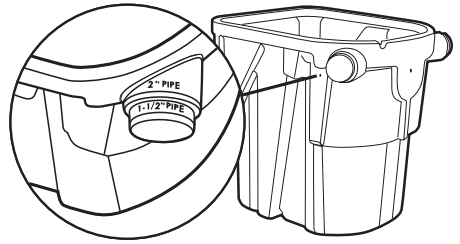
Line up the holes of the weir door frame with the holes in the Skimmer face. Use a nail or an awl to help line up the holes and pierce the liner in the top corners. Loosely fasten the top corners using two of the supplied 1/4-20 machine screws and serrated flange nuts. Next, install two screws in the bottom corners of the weir door frame. Once you have the weir door tacked at the corners, install the rest of the screws. Do not fully tighten any screws until all of the screws have been installed.



Use your fingers to hold the flange nut and a hand held screwdriver to tighten the screws. The serrations on the flange nut will grab the plastic enclosure once it makes contact, eliminating the need to use a wrench. Use caution when tightening the screws. The screws need only be snug for the silicone to make a seal.

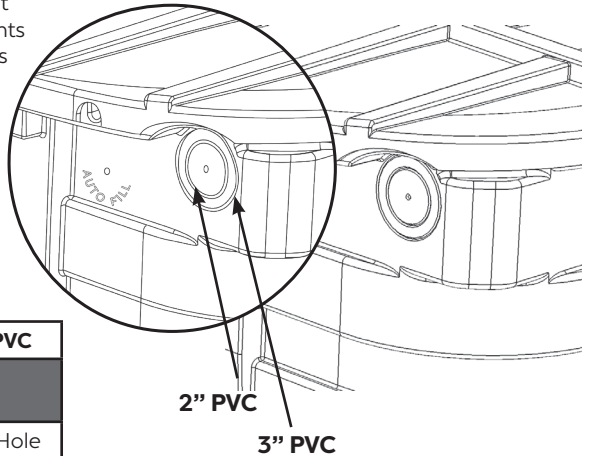
## Plumbing The PS3900

The PS3900 Skimmer has pump discharge step fittings molded into each side of the Skimmer enclosure. The step fittings are labeled for 1½" or 2" PVC pipe and have cut lines molded in for each size. Choose the step fitting on the side of the skimmer that best suits the installation. Using a PVC saw or standard hack saw, remove the end of the step fitting (making sure to follow the molded cut line) for the size pipe used for this water feature. Once completed, push one end of the PVC supply line through the step fitting allowing approximately 10" of pipe to enter the skimmer enclosure.



## Plumbing the PS4600/7000/15000

The PS4600/7000/15000 Skimmers do not come with a pre-drilled pump outlet. Not having a pre-drilled pump outlet gives the professional installer the flexibility to choose which side of the enclosure to exit and with what size pipe. Drill-points have been provided on all models to show the proper location for drilling the outlet. See right drawing for drill-point locations and hole sizes. Using the drill-points ensures that the pipe outlet will be above water level.



	2" PVC	3" PVC
<b>PS4600</b>	2½" Hole Saw	
<b>PS7000</b>	2½" Hole Saw	3¾" Hole Saw
<b>PS15000</b>	2½" Hole Saw	3¾" Hole Saw

It is recommended that you install a TR215CV Triton Check Valve between the pump and the supply line. This valve will prevent the FilterFalls from draining when the pump is off, which keeps the beneficial bacteria alive and any debris that the FilterFalls has collected from back flowing debris into the pump, skimmer and pond when the pump is turned off. Refer to the Triton Check Valve installation instructions on page 10 for further details.

A drill point on both sides of the Skimmer shows the proper location for the installation of an AF1000 Auto Fill valve (not included). See the Auto Fill installation instructions on page 11 for more information. There is a drill-point provided on the back of the Skimmers to show the proper location and elevation for the installation of an overflow (not included). See the Overflow installation instructions on page 12 for more information.

## Overflow

A drill-point has been provided on the back of the Skimmers to show the proper location and elevation to install an Atlantic HA2000 bulkhead fitting and 2" MTA for the overflow (not included). This combination will position the bottom of the overflow pipe approximately 1" above recommended water level. (Note: If a HA2000 bulkhead is not being used, the center point for the hole will have to be recalculated on site.)

Drill a 3" hole and install the bulkhead following the instructions on page 8. Install a 2" MTA and connect the overflow pipe. Apply silicone on the threads of the Male Thread Adaptor (MTA). Screw the MTA into the bulkhead until tight. Use PVC Glue and cleaner (not included) to glue the PVC flex hose into the MTA.

## Warranty

All Atlantic Skimmers and FilterFalls carry a limited lifetime warranty. This warranty is extended solely to the original purchaser commencing from the date of original purchase receipt. The following limitations apply:

- Filter pads, brushes and nets are wearable components and not covered by this warranty.
- A misused or abused product voids this warranty.

Skimmer Accessories (AF1000 Auto Fill Kit and TR215CV Triton Check Valve) included in this manual carry a one-year 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.