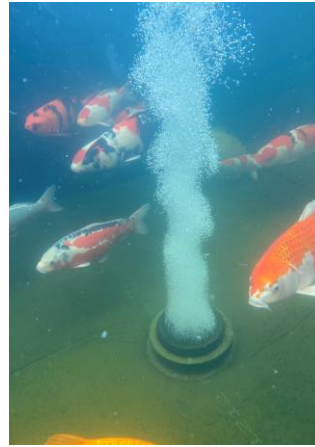


4" Aerated Bottom Drain

ITEM #BTMDRA4L

Includes:

- Heavy Duty Schedule 80 PVC Base
- Liner Ring
- Aeration Disc
- Center Stand Pipe
- Stainless steel screws



Bottom Drain Assembled



Aeration Disc & Plate connected with Stand Pipe

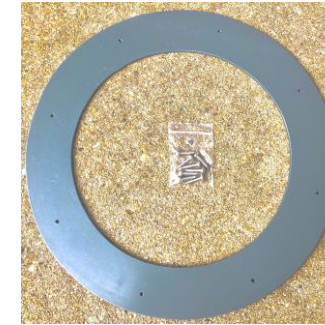
Features: Heavy Duty Aeration Disc , 4" Horizontal Pipe Fitting , 1" Side Mount Aeration Pipe Fitting (easier application than bottom pipe fitting bottom drains- can be adjusted/cut to length)

4" Aerated Bottom Drain – Installation Instructions

After excavating the bottom floor of your pond to the desired shape, locate where your Bottom Drain is to be installed and dig out an area approximately 15" by 15" wide and 7" to 8" deep. Next, excavate a trench away from the drain location wide enough to accommodate the 4" drain pipe and the 1" aeration pipe. The trench should be deep enough so the top of the Base flange is level with the final grade of the pond bottom. Make sure the soil in the bottom of the pond has been compacted properly to prevent any settling that could occur in the future.

Install the Base of the Bottom Drain making sure the top of the Base is level with the grade of the soil in the bottom of the pond and level the base. The hole for the base is dug deeper than you may need. Add soil as needed to level the base. Install/glue the 4" pipe to the 4" Drain Fitting and install/glue the 1" pipe for the aerator to the fitting on the side of the Bottom Drain. Make sure the base is level and at the desired depth of either level or slightly deeper than the bottom floor of the pond (slightly deeper is preferred). Back fill the hole for the pipes and carefully backfill around the Bottom Drain making sure the soil is compacted. *Tip:* you can temporarily set or tape the aeration plate in place on top of the Base to prevent soil from getting into it while working up to this point.

Install the pond liner in place over top of the Bottom Drain base to get it in the proper place. Carefully pull back the liner, add a bead of silicone sealant or lap sealant (*Not Included*) around the top of the Base then carefully put the liner back in place. Line up the Liner Ring with the top of the Base on top of the pond liner. Install the self tapping screws through the holes provided in the Liner Ring to seal the liner in place. Next, cut the liner section out of the center of the Liner Ring exposing the inside of the Bottom Drain base. Assemble the Aeration Disc, Plate, and Stand Pipe as shown in the image at the top right of this page. The Stand Pipe comes cut to length for a space of approximately 2" between the bottom of the plate and the liner for the water to enter the Bottom Drain. If you desire a smaller space, you may cut this pipe to the proper length to achieve the desired space for water to enter the Bottom Drain. Once the pipe is at the proper length, glue the bottom of the Stand Pipe into the fitting in the center of the Bottom Drain Base. The installation is now complete. If the Bottom Drain Base needs to be accessed for any reason, the Aeration Disc may thread off of the top of the Stand Pipe for access.



LINER RING & SCREWS



INSIDE BASE