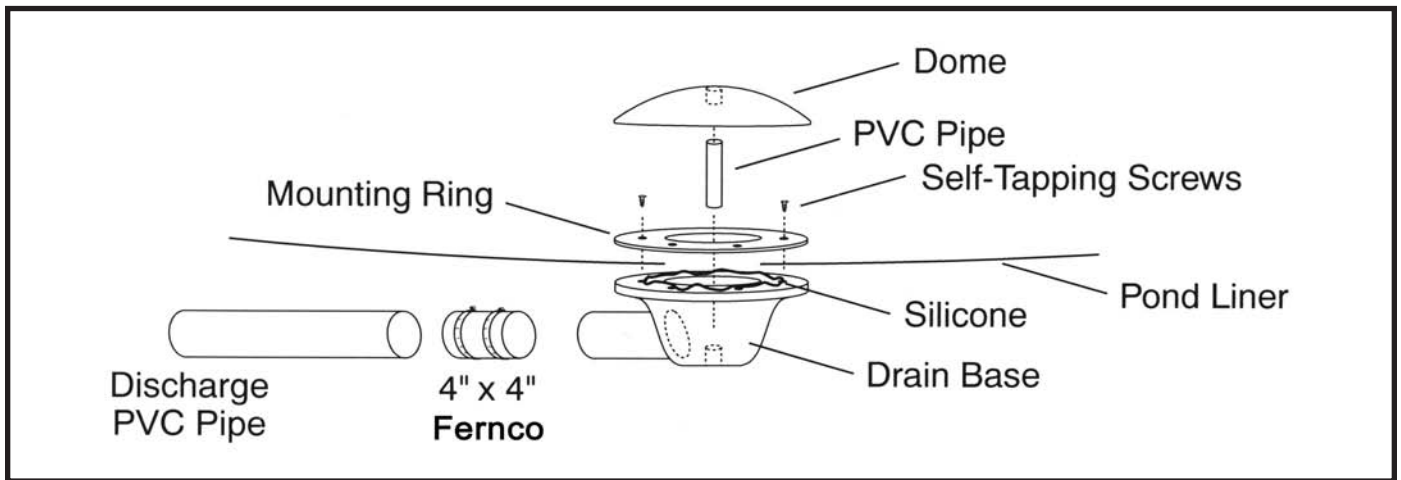


# Bottom Drain

## INSTALLATION INSTRUCTIONS



- 1** Drain base is installed under the liner, usually in the deepest part of the pond. Fittings to connect the 4" pipe are included (if using with 3" pipe a 4" x 3" reducer bushing can be installed in the ferenco to reduce size). Slide one end over the outlet of the drain base and tighten clamp securely. Place the other end over your discharge pipe and tighten securely.
- 2** After installing liner, find drain base. Carefully cut an 8" hole in the liner directly above center hole in drain base. Be sure not to cut the hole larger than the center hole in the drain base. Lift the liner up a few inches and inspect the top flange of the drain base. Remove any sand or debris that may have gotten on the flange when pulling the liner into place. Place a thick bead of silicone around the middle of the flange and then lower liner.
- 3** Be sure liner is laying flat (no wrinkles) on drain base. Place mounting ring on liner and center with drain base. There are 16 small indentations on one side of the ring — be sure the indentations face up. Using the screws provided carefully screw mounting ring to drain base. If using a cordless drill be careful not to overtighten screws! Ideally a cordless drill is used to start the screw. But to tighten them, a hand screw driver gives you a better feel when screws are tight.
- 4** Place the PVC pipe over the post in the drain base. Lower the dome onto the PVC pipe and push down. Your installation is now complete. The PVC pipe can be cut shorter if a smaller intake slot is desired. If small fish are present, a smaller intake would be necessary.

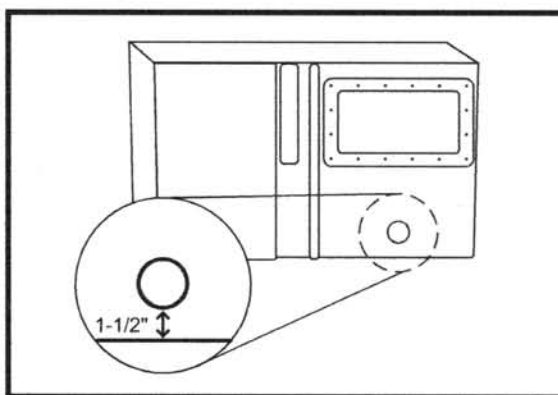
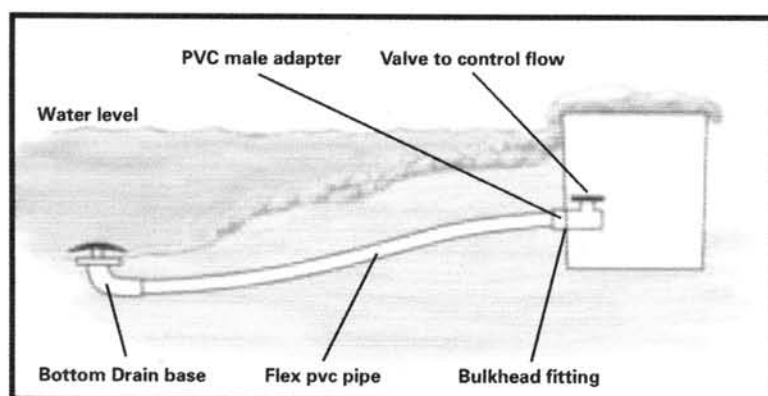
# Bottom Drain Kits

## Installation Instructions for BDK2 and BDK3

The EasyPro bottom drain kits include a bottom drain and necessary fittings for connection to a pond skimmer.

Items included in kit:

1. EasyPro bottom drain with 4" x 3" rubber boot
2. 3" x 2" reducer bushing (BDK2 only)
3. Bulkhead fitting
4. PVC male adapter
5. PVC nipple
6. PVC valve



The flexible pvc pipe needed to install this kit is not included since the size of the pond can vary greatly. You will need to supply appropriate amount of flexible pvc for your application.

You will need to cut a hole into the front of the skimmer box, 3-1/4" for BDK2 or 4-1/2" for BDK3. Hole is usually centered from left to right and bottom of hole is approximately 1-1/2" up from bottom of skimmer.

### Installation:

- 1** Install bottom drain according to instructions on reverse side of paper. Install the 4" x 3" rubber coupling onto bottom drain base. Connect 3" pvc pipe (not included) and tighten clamp if installing BDK3. If installing BDK2, a 3" x 2" reducer bushing is included, slide bushing into 3" rubber coupling and tighten clamp. Glue 2" pvc pipe (not included) into reducer bushing.
- 2** After cutting hole in face of skimmer, as shown above, install bulkhead fitting. Be sure gasket and bulkhead are on the inside of the skimmer. Tighten the nut onto the bulkhead from the outside of skimmer.
- 3** Apply a small amount of silicone or tephlon tape to threads on male adapter and tighten into bulkhead on outside of skimmer. PVC pipe can then be glued into male adapter.
- 4** Turn the threaded end of pvc nipple into bulkhead fitting on the inside of skimmer (no silicone needed). Glue the pvc valve onto slip end of nipple.

Use the valve to control water flow into skimmer from bottom drain. At certain times of the year (like spring when trees are budding, or fall when leaves are dropping heavy) you may want to close valve for maximum surface skimming.