

## AERATION SYSTEM INSTALLATION

**This is your new aeration system. It consists of:**

- A compressor (that needs to be protected from the weather in a vented cabinet)
- A cabinet (optional if you already have a shelter)
- Tubing to bring the air from the compressor to the edge of the pond
- Self-sinking tubing to bring the air from the edge of the pond to the underwater diffuser(s)
- Diffuser(s)
- Connection hardware (heat resistant hose, barb PVC fittings and stainless steel clamps and manifolds if needed)

Your compressor must be installed protected from the elements in a well aerated cabinet located above the water level to prevent back flow. An electric fan in the cabinet will protect the compressor from overheating during the summer months.

**The installation of this system is very easy:**

1. Start the installation from the location of the compressor and work your way down to the pond.
2. Place the compressor in its cabinet and install at the chosen location near an electrical outlet.
3. Connect the heat resistant hose to the air outlet of the compressor.
4. Connect the regular tubing (usually a PVC poly tubing) to the compressor hose using a stainless steel clamp and unroll as shown on the instruction sheet called "Correct Installation of tubing". Use soapy water to help insert the PVC links in the tubing. Don't forget to insert the clamps on the tubing before connecting them.
5. From the edge of the pond, use the provided PVC links and clamps to join the regular tubing to the manifold (if needed) and then to the self-sinking Torpedo™ tubing. Use soapy water to help insert the PVC links in the tubing.
6. If you are using a diffuser disc, put gravel or sand in the base to add some weight. Tie a rope a few feet longer than the depth of your pond to the base of the diffuser and attach a floating device at the other end of the rope as marker.
7. Turn on your compressor so it feeds air through the tubing.

8. Get on the water using a boat if needed. Unroll the self-sinking tubing as shown on the separate instruction sheet and drop it in the water up to the deepest point of the pond, where you want to have the aeration diffuser. (When installing tubing from a boat, it is best to unroll the tubing on shore to eliminate all twists and then re-coil the tubing into the boat for installation. This will allow you to feed the tubing into the pond in a straight line without a twist.)
9. Connect the diffuser to the self-sinking tubing using fittings and clamps. Make sure the plug is at the end of the Bubble Tubing® if you are using this type of tubing as diffuser. Use soapy water to help insert the PVC link and plug in the tubing.

Or

9. If your diffuser is a disc (or discs), use the rope you attached at the base to lower it in the water at the desired place.
10. If you have a system with more than one airline, repeat the same steps for each line. A manifold with independent valves will help adjust the air distribution to each line.

That's it! Enjoy the bubbles!

Your compressor can be plugged into a timer to control the time of operation of the system.

Below are examples of how to place your Bubble Tubing®. Other layouts are possible. The important thing is that by adding aeration you will have a healthier and happy pond.

Thank you for shopping at CanadianPond.ca. If you have any questions about installation procedures, call us at 450 243-0976.

