



## Installation Instructions

### The 1-33-RXP Gen-AIR-Ator complete aeration system is supplied in (3) packages:

1. **Power Unit** – Our powerful and efficient compressor system enclosed in a weather-proof housing suitable for many outdoor mounting possibilities.
2. **Venturi Diffuser & Installation Kit** – Our bottom mounted PVC column is uniquely designed w/ no moving parts to create the most powerful plume. As the Venturi thrusts water from the lake bed to the surface, many thousands of gallons per hour, the pond begins its organic cleaning process, all the while adding valuable oxygen for your fish. It even keeps your pond from freezing during the harsh winter months, allowing water fowl to stay and eliminating winter fish kill.
3. **Flex Pipe** – Roll of 400' x 1/2" PVC flex pipe, which conducts air from the power unit to the Venturi.

### Two things to be done before you start:

1. Select a place to mount the Power Unit. The power unit is suitable for outdoor mounting in many possible locations, as long as its up off the ground, i.e. a post, side of a building, a tree, etc. The location of power unit will need a 110v grounded outlet, unit can also be hard wired if desired.
2. Select a location for the Venturi Diffuser (the Venturi should be normally placed in the deepest portion of your pond or lake). ***Depth should not exceed 20 ft.***
3. Obtain a stack of small facing bricks (w/ holes in them) or similar weighted item for laying the flex pipe along lake bottom. Number of bricks will depend on the location of the Diffuser in the pond/lake. *We recommend one brick for about every 10 feet of flex pipe extended across water. Example: if the Diffuser is mounted 100 ft. from shore, then approx. 10 bricks would be appropriate for properly laying the flex pipe.*

## **Installation**

1. **To mount Power Unit:** Thread one lag screw (Item 1) into the location where the Power Unit (Item A) is to be mounted. Hang the Power Unit onto the fastened lag screw using the top mounting tab. Thread the second lag screw into the bottom tab of the Power Unit.
2. **To mount Venturi Diffuser to lake bed:** Gather the Venturi Diffuser (Item C), PVC Flex Pipe (Item B), Installation Kit and small facing bricks or similar type weighted items and proceed to desired pond/lake location of the diffuser.
3. Thread hose adapter (Item 8) into nozzle on Venturi (Item C). Place hose clamp (Item 9) over flex pipe end, slide flex pipe over adapter, tighten hose clamp.
4. Thread anchoring spike (Item 13) into spike holder at bottom of Venturi.
5. Using rope (Item 14) attached to Venturi, lower Venturi to lake bottom (if less than 4 ft. of rope remains-move to a shallower location). Attach rope end to a floating marker buoy (not supplied).
6. **To sink PVC Flex Pipe:** Insert plastic zip tie (Item 12) through hole in facing brick and fasten to PVC flex pipe by cinching zip tie. Repeat approx. every 10 ft. as you work your way toward shore in the direction of the Power Unit.
7. Extend flex pipe to the Power Unit (we recommend burying the flex pipe 6"-10" below the ground surface).
8. Cut away any excess flex pipe. Thread pipe adapter (Item 8) into bottom of Power Unit. Place hose clamp (Item 9) over end of flex pipe, connect flex pipe and adapter and tighten hose clamp.
9. With nails supplied, fasten pipe hanger (Item 15) to post, wall or tree to properly hang flex pipe directly below the Power Unit.
10. **Plug Power Unit (Item A) into grounded 110v outlet** (the plug is the only on/off device for the Power Unit). For optimal results, it is recommended to run your Gen-Air-Ator pond aeration system 24/7 year round.

## **For Winter Installation:**

1. Drill an 8" dia hole through ice in desired Venturi Diffuser location  
(See above recommendations)
2. Connect the flex pipe and mount the Power Unit (As described above).
3. Plug in Power Unit and allow to run while lowering the Venturi through the ice.
4. Ice will begin to disperse for approx. 12 ft. (depending on conditions) around the plum of the Venturi Diffuser.

**Note: A snow fence or posted warning signs should be placed in the vicinity of the open water to prevent access to and warn of the thin ice.**

## **Warranty Information:**

All Gen-Air-Ator systems sold by Grovhac, Inc. are fully guaranteed for one year from date of shipment. Units returned within one year will be repaired or replaced under warranty.

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