

INSTALLATION INSTRUCTIONS

For all PondSeries[®] and LakeSeries[®] Aeration Systems
Item # 510166



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PRODUCT CONTENTS

The ProAir 4 is the most advanced diffuser on the market today and is specifically designed to maximize circulation and oxygen transfer in ponds and lakes. The ProAir 4's weighted sled design keeps the diffuser submerged and prevents it from sinking into the muck. The exclusive PTFE non-stick membrane sticks provide the synergy of air stones while being virtually maintenance-free. Each diffuser also includes a check valve to prevent back pressure to the compressor.



What's Included:

- A** 2 – Deep Water Diffuser Sleds
- B** 4 – PTFE 6" Membrane Sticks
- C** 1 – Diffuser Manifold w/Check Valve
- D** 1 – $\frac{5}{8}$ " to $\frac{3}{4}$ ", Barb x MPT Insert Reducer Adapter
- E** 1 – $\frac{3}{8}$ " to $\frac{3}{4}$ ", Barb x MPT Insert Reducer Adapter
- F** 1 – 1" Stainless Hose Clamp

INSTALLATION INSTRUCTIONS

Step 1

Align Diffuser Manifold with Diffuser Sled as shown in picture. Ensure the Airmax logo on the Diffuser Manifold is facing up.

NOTE: DO NOT tighten Membrane Stick to Diffuser Manifold without the Diffuser Sled and rubber o-ring in place.



Step 2

Hand tighten Membrane Sticks to the Diffuser Manifold ensuring Diffuser Sleds and rubber o-ring are in place.

NOTE: DO NOT over tighten Membrane Sticks. Once snug, continue 1/4 turn. Over tightening may cause DAMAGE to the Diffuser Manifold and/or Membrane Sticks.

Do not remove black rubber o-rings from membrane sticks.



Step 3

Align second Diffuser Sled with Diffuser Manifold.



Step 4

Repeat Step 2.



Step 5

Depending on the size of airline, screw corresponding reducer adaptor into the check valve. Slide hose clamp onto the airline and connect airline to the reducer adaptor. Firmly tighten stainless hose clamp onto airline to secure into place.



MAINTENANCE

We recommend inspecting and/or cleaning the membrane diffuser sticks every 24-36 months, or anytime the pressure gauge reading is significantly higher than normal or there is a reduction in bubbles from the diffuser. To clean, use Airmax D-Scale Cleaner (#530298) and a soft cloth.

TROUBLESHOOTING

If you have loss of airflow to one or more diffusers:

- Check to ensure airflow valves on compressor manifolds are adjusted correctly.

If large boiling bubbles are present on the water's surface:

- Check membrane sticks for tears.
- Check for loose connections on diffuser manifold.

REPLACEMENT PARTS

REPLACEMENT PARTS	ITEM #
Airmax Diffuser Manifold w/Check Valve	#490374
Airmax Deep Water Diffuser Sled	#490337
Airmax ProAir Diffuser Membrane Stick	#510168
1" Stainless Hose Clamp	#490229
Airmax 5/8" to 3/4", Barb x MPT	#490227
Airmax 3/8" to 3/4", Barb x MPT	#490225
Airmax Check Valve, 3/4" FPT	#490340

WARRANTY

All ProAir 4 diffusers carry a 5-year warranty extended exclusively to the original purchaser. This warranty begins from the date of original purchase receipt. Any component which proves to be defective in material or workmanship as determined by Airmax, Inc. will be repaired or replaced at no charge. The end user shall assume all responsibility and expense for removal, packaging and freight to ship to Airmax, Inc. to determine the warranty claim and for all reinstallation expenses.

Improper installation, careless handling, misuse, abuse or failure to follow maintenance or operating instructions as well as any modification or repair by an unauthorized repair facility will void all warranty. Diffuser membranes are considered wear parts and are not covered under warranty.

THANK YOU FOR CHOOSING:

Airmax, Inc.

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