

INSTALLATION INSTRUCTIONS

- 4-Port Remote Manifold Kit (Item #600194)
- 6-Port Remote Manifold Kit (Item #600254)



For use with any Airmax Aeration System located away from the pond's edge.

Table of Contents:

Important Information	2	Replacement Parts	6-7
Product Contents	2	Warranty Information	7
Installation Instructions	3-5		

IMPORTANT INFORMATION:

Please read these instructions thoroughly before use. Failure to follow instructions may result in equipment damage or failure, losses, injury or death.

⚠ **WARNING:** ⚠

To reduce the risk of electric shock or injury:

- ALWAYS unplug the compressor from power source and remove pressure from airlines before installing, removing or servicing the Remote Manifold Kit.

IMPORTANT: Airmax is not responsible for equipment damage or failure, losses, injury or death resulting from failure to follow safety precautions, misuse or abuse of equipment.

PRODUCT CONTENTS



What's Included:

- A** Junction Box
- B** Remote Manifold (4-Port Shown)
- C** Remote Manifold Fitting Kit (Fittings may vary depending on the kit purchased)

INSTALLATION INSTRUCTIONS:



See Video Instructions of the Remote Manifold Kit installation online at airmaxeco.com/RemoteManifold

Tools Required:

- Tubing Cutter or Utility Knife
- 5/16" Nut Driver or Flathead Screwdriver



1 Dig the Airline Trench

Dig a trench from the aeration cabinet to the edge of the pond. This trench should be at least 8" deep to protect the airline.



2 Place and Connect Airline in the Trench

Place a single run of 1" Direct Burial (sold separately) in the trench from the cabinet location to the pond's edge.



3 Connect Airline to the Compressor Manifold

Shallow Water Series®, PondSeries® & LakeSeries®

Aeration Systems: Connect flex tubes from compressor to the brass barbs on the 3 : 1 manifold adapter, then connect 1" direct burial airline to the 1" barb fitting. If using with a SW20 or PS20 system, remove one of the brass barb fittings and install the 1/2" MPT plug provided. Removal of flex tube quick disconnects on SW systems will be necessary before connecting to the brass barbs.

DO NOT tighten brass barb fittings further than production depth. Overtightening can damage the manifold.



PS20 Installation Shown

Aeration Systems Using Camlock Connector Kit(s): Remove the brass barbs from the 3 : 1 manifold adapter and install 1/2" male camlock ends (sold separately). Install only two male camlock ends if using with an SW20 or PS20, and insert the galvanized plug into the remaining hole. Connect the flex tubes with female camlocks to the male camlock fittings on the 3 : 1 manifold adapter, then connect the 1" direct burial to the 1" barb fitting.



PS20 Installation Shown

Be sure the valves on the compressor manifold (SW-PS systems) or the cabinet manifolds (LS systems) are open for the flex tubes that have been used, and turn the remaining valves to the closed position.

4 Install the Junction Valve Box

Select a location in line with the trench, near the pond's edge, and place the Junction Valve Box with the single outlet side pointing to the compressor and the multi-outlet side pointing toward the pond. Using a shovel, mark an area slightly larger than the Junction Valve Box. Dig the hole to a depth of 8". Place the Junction Valve Box into the hole.



5 Connect the Remote Manifold to Direct Burial

Place the Remote Manifold into the Junction Valve Box. Attach the 1" direct burial to the 1" barbed fitting on the Remote Manifold and secure with a hose clamp.



INSTALLATION INSTRUCTIONS: Continued...

6 Connect the Remote Manifold to the Diffuser Airline

For each port on the Remote Manifold, attach the corresponding fittings to the ball valves depending on the size of weighted airline being used with your diffusers. Feed the weighted airline for each diffuser into the Junction Valve Box and connect it to the Remote Manifold, securing with a hose clamp. Any ball valves not in use must be closed.



7 Level and Backfill the Junction Valve Box

Check to be sure the Junction Valve Box is level and flush with the ground's surface, then backfill around the Junction Valve Box.



8 Fill the Junction Valve Box with Gravel

You may choose to fill the Junction Valve Box with small stone or gravel up to the outlet holes. This will help with drainage and keep the Remote Manifold clean.



9 Start the Aeration System and Adjust Airflow

Start the aeration system, and adjust the airflow using the ball valves at the Remote Manifold.

Note: Diffusers placed farther away or in deeper water will require more airflow. It may take several minutes for changes in airflow to appear at the diffusers.



10 Backfill Trench and Close Junction Valve Box

Installation is complete. Backfill the airline trench, and place the lid on the Junction Valve Box.



Note: All LS systems will have two remote manifolds at the pond's edge. If distributing airflow across both manifolds is desired, remove one of the 1" galvanized plugs from each manifold and use part H from each kit (1" Barb x MPT) to connect the manifolds with 1" airline.

REPLACEMENT PARTS:

DESCRIPTION	PART #
A 6-Port Manifold 13.5" Long*	490339
4-Port Manifold 9.25" Long	490357
3-to-1 Manifold Adapter 7.5" Long*	490338
B 2.5" Dial 30 PSI Pressure Gauge 1/4" Back Mount	490261
C Junction Valve Box w/Lid 12" x 17" x 6", with holes	490308
D 1/2" Female x Male NPT Poly Micro Valve	490283
E 5/8" x 1/2" Barb x MPT	490144
3/8" x 1/2" Barb x MPT*	490226
F 1" Stainless Hose Clamp	490229
G 1/2" Galvanized Pipe Plug	490431
1/4" Galvanized Pipe Plug*	490430
1" Galvanized Pipe Plug*	490432
H 1" Male Insert Adapter Barb x MPT	490198
I 3/8" x 1/2" Brass Adapter Barb x MPT	530658
J 1" Galvanized Adapter Barb x MPT	490433

*Actual product not shown, sample of product shown on page 7.

REPLACEMENT PARTS:



PRODUCT WARRANTY:

All Remote Manifold Kits carry a 1-year warranty. Airmax will repair or replace any kits found to be defective. This limited warranty is extended exclusively to the original purchaser and begins from the date of original shipment. Abuse, misuse or alterations of this product void all warranty. Please contact your local dealer to obtain a Return Merchandise Authorization (RMA) Number prior to returning any product. Failure to request an RMA number may result in delay or dismissal of your warranty claim.

THANK YOU FOR CHOOSING:
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