

INSTALLATION INSTRUCTIONS



- 2-Port Remote Manifold Kit
(Item #600192) for SW20, SW20HP & PS20
- 3-Port Remote Manifold Kit
(Item #600190) for PS30
- 4-Port Remote Manifold Kit
(Item #600194) for SW40, SW40HP & PS40
- 4-Port Remote Manifold Kit
(Item #600193) for LS40
- 6-Port Remote Manifold Kit
(Item #600191) for LS60
- 8-Port Remote Manifold Kit
(Item #600247) for PS80 (Two 4-Port PS40 kits)

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



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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 (2-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/RemoteManifoldKit

Tools Required:

Tube 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 or PVC Pipe (sold separately) in the trench from the cabinet location to the pond's edge.



3 Connect Airline to the Compressor Manifold

Attention: If you are installing a Deep Water Kit with your system, you will need to install the kit before proceeding.

Shallow Water Series™, Shallow Water HP Series™ & PondSeries™ Aeration Systems: Connect the corresponding fittings for either 1-inch Direct Burial or PVC Pipe and connect to one flex tube coming from the compressor manifold.

LakeSeries™ Aeration Systems: Use the provided manifold to connect one female Cam-lock end from each compressor to the male Cam-lock end on the manifold and lock into place. Connect the manifold to the 1" Direct Burial or PVC Pipe.

Be sure the valves on the compressor are open for the flex tubes that have been installed 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 towards 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 or PVC Pipe

Place the Remote Manifold into the Junction Valve Box. Attach the corresponding fitting for either 1" Direct Burial or PVC Pipe to the Remote Manifold and connect the airline.



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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.



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.



REPLACEMENT PARTS:

DESCRIPTION	PART #
A 6 Port Manifold 13.5" Long	490339
4 Port Manifold 9.25" Long*	490357
3 Port Manifold 7.5" Long*	490338
B 2" Dial 30 PSI Pressure Gauge 1/4" Back Mount	490268
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" Galvanized Insert Barb x MPT	490433
G 1" Stainless Hose Clamp	490229
H 1" PVC Thread Adapter MPT x Slip	490251
3/4" x 1" PVC Reducer Slip by MPT*	490252
I 1" NPT Threaded HDPE Plug with O-Ring	490280
1/2" NPT Threaded HDPE Plug with O-Ring*	490289
J 1/2" Galvanized Pipe Plug	490431
1/4" Galvanized Pipe Plug*	490430
1" Galvanized Pipe Plug*	490432
K 1" x 1/2" Poly Reducer Nipple Black	490282
1" x 3/4" Poly Reducer Nipple Black*	490291
L 1" PVC Male Insert Barb x MPT	490198
M 1" Brass Insert Barb x FPT	490284
N 1/2" Adapter for Gator Lock 1/2" MPT	490292

**Actual product not show, sample of product show 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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