



**SAVE THIS MANUAL
FOR WARRANTY
PURPOSES!**

**For additional
assistance please
contact us at:**

Technical Support

(Toll Free) 877-254-7093
OR
info@aero-stream.com

Installation Guide For Aero-Pond®

Record Product Serial Number here: _____

Permits

Prior to the installation of the product, the installer must obtain any and all required State and local permits. The installer must strictly comply with all pertinent State and local requirements. Failure to comply with these requirements is a violation of state and municipal codes.

Read and Keep This Manual

Completely read these instructions before starting the installation. Every installation is unique, so it is important to understand the specifics of the installation and how they relate to your pond. **Planning and preparation are the most important tools used during installation.**

Due to ongoing product improvement, information included in this manual may differ from the packaged product. Aero-Stream® reserves the right to modify and improve products at any time without notice or obligation. Aero-Stream®, Aero-Pond®, are trademarks of Aero-Stream®, LLC.

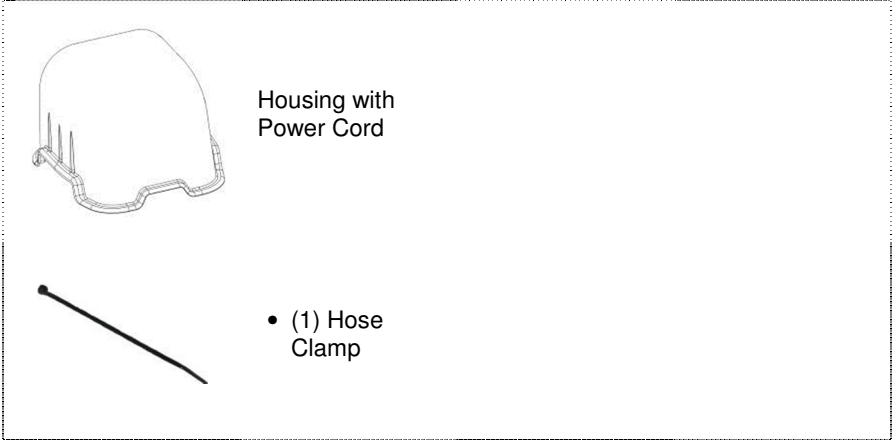
IMPORTANT! Retain this manual for warranty purposes.

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Unpack and Inspect Parts

Remove and identify the product from the package and check for any missing or damaged parts. Handle the parts carefully! The Housing and sintered diffuser are fragile and can be easily damaged. Please note that your products may vary from photos in this manual.



Specifications of Aero-pond® Systems

Urban Pond™

Model # AS800E
P/N 102516
dimensions: 12" x 14" x 10"
power cord: 6'
power: 120 V
diffuser: 1 - 9" Sintered
non-clogging
bubble diameter: 2000 microns
compressor: 90 W
efficiency: (gal/W) 22
sound proofing: 39 dBA
maximum depth*: 6 ft.
air line: 20 ft. 3/8" I.D.
capacity: Up to 2,000 gallons

Garden Pond™

Model # AS1100E
P/N 101935
dimensions: 12" x 14" x 10"
power cord: 6'
power: 120 V
diffuser: 1 - 9" EPDM
non-clogging membrane
bubble diameter: 2000 microns
compressor: 110 W
efficiency: (gal/W) 91
sound proofing: 39 dBA
maximum depth*: 7 ft.
air line: 20 ft. 3/8" I.D.
capacity: Up to 10,000 gallons

Hobbyist Pond™

Model # AS1200E
P/N 101926
dimensions: 12" x 14" x 10"
power cord: 6'
power: 120 V
diffuser: 2 - 9" EPDM
non-clogging membrane
bubble diameter: 2000 microns
compressor: 150 W
efficiency: (gal/W) 200
sound proofing: 39 dBA
maximum depth*: 7 ft.
air line: 50 ft. 5/8" I.D.
capacity: 10,000-30,000 gallons

Pro Pond™

Model # AS1400E
P/N 101927
dimensions: 12" x 14" x 10"
power cord: 6'
power: 120 V
diffuser: 4 - 9" EPDM
non-clogging membrane
bubble diameter: 2000 microns
compressor: 210 W
efficiency: (gal/W) 285
sound proofing: 40 dBA
maximum depth*: 7 ft.
air line: 50 ft. 5/8" I.D.
capacity: 30,000-60,000 gallons

* Greater depths can be achieved utilizing a higher output compressor. Call our FREE Technical Support line to discuss.

Manufacturer's Limited Warranty

DISCLAIMER, DURATION, AND SCOPE OF THIS WARRANTY

Aero-Stream®, LLC ("Aero") warrants its products against defective materials or workmanship at the time of shipment for 12 months from date of original invoice for model AS800E, AS1100E, and AS1200E and 24 months from date of original invoice for model AS1400E. To make a valid claim under this warranty, Aero must be notified through writing, email or otherwise of any warranty claim within the applicable warranty period and in the manner described below.

All implied warranties including the **IMPLIED WARRANTY OF MERCHANTABILITY** and the **IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE** are also **LIMITED IN DURATION** to the applicable warranty period. **SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MIGHT NOT APPLY TO YOU.** This warranty only covers the original Buyer of Aero's product. Aero will not be responsible under this warranty for any defect, failure, or malfunction of this product caused by abuse, misuse, unauthorized adjustments or disassembling of this product during the duration of this warranty. **AERO MAKES NO OTHER WARRANTY BEYOND THAT CONTAINED IN THIS WRITING.**

EXCLUSIVE REMEDY AVAILABLE UNDER THIS WARRANTY

If the Aero product fails to operate properly under normal conditions within the remaining warranty period because of a defect in materials or workmanship, Aero will repair or replace this product without cost to you for parts or labor. If repair or replacement of the product is impossible or impracticable, as an alternative, Aero retains the option to reimburse you with the original purchase price of the product within a reasonable amount of time. **THE REMEDY DESCRIBED ABOVE SHALL BE YOUR EXCLUSIVE REMEDY FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. NO OTHER REMEDY FOR BREACH OF THIS WARRANTY, EXPRESS OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE), SHALL BE AVAILABLE TO YOU.** Under no circumstances will Aero be responsible for **INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES**, lost profits, lost sales, injury to property, or any other loss. These limitations do not apply, however, to damages related to personal injury. **SOME STATES DO NOT ALLOW LIMITATIONS ON INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.** For service, questions or to make a warranty claim, contact Aero at W300 N7706 Christine Lane, Hartland, Wisconsin, 53029, visit our website at www.aero-pond.com or email us at info@aero-stream.com. If Buyer is making a warranty claim, please provide a description of the nature of the problem. Alternatively, call the following toll-free number to obtain further warranty instructions: (877) 254-7093.

STATE LAWS AND THIS WARRANTY

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. To the extent that state law renders any provision in this warranty inoperative, state law shall apply and that clause shall be severed from the warranty; this severance, however, does not render the entire warranty inoperative.

Notes:

IMPORTANT! If the grounded electrical outlet is not protected by a GFCI outlet or circuit breaker, a plug-in GFCI device must be purchased and installed.

Most Common Questions and Tips:

- In the event of a temporary or extended power failure check the GFCI device and reset if the Housing is not running.

Maintenance and Care:

WARNING: This product has no user serviceable parts. If service is required, **call** Aero-Stream®. Attempts to service this product will void warranty and expose the user to electrical shock which may cause severe injury or death. **Tampering will void warranty.**

The Diffuser may require periodic cleaning. If cleaning is required use muriatic acid. Wear protective gear when using chemicals.

Keep the area around the Housing free of leaves and other debris. If debris enters the product through the air intake holes, unplug the product and carefully remove the debris. Restart the system.

Equipment Servicing

Call our toll free technical support line at (877) 254-7093 if you have questions or your Aero-Pond® product needs servicing.

Table 1

120 Volt AC Extension Cord Recommendations

Length in feet	25	50	100	150	200	250	300	400	500
Wire size for amperage rating of 0 to 2 amps	18	18	18	16	16	14	14	12	12

Installation Notes:

- 1) Diffuser
 - a) Urban Pond™

The sintered diffuser is fragile and will crack if dropped. The diffuser should be placed in the deepest area of the pond that is no more than the maximum specified depth for each model. The vinyl airline is buoyant. To keep the airline submerged, run the airline through the hole of a masonry brick. Space the bricks about 5’ apart. Run the airline in the shortest path towards the location of the Compressor Housing. As an option, Aero-Stream offers weighted airline to use in place of the vinyl airline and bricks. Call Aero-Stream to learn more.

- b) Garden Pond™, Hobbyist Pond™ & Pro Pond™

Remove the plastic plug from the top of the pan. Fill the pan with sand or pea gravel. Replace the plug. The diffuser should be placed in the deepest area of the pond that is no more than the maximum specified depth for each model. Place the pan as level as possible on the bottom of the pond. The diffusers are sensitive to head pressure. If the pan is not level the air flow will not be balanced causes low air flow the deepest diffuser. The vinyl airline is buoyant. To keep the airline submerged, run the airline through the hole of a masonry brick. Space the bricks about 5’ apart. Run the airline in the shortest path towards the location of the Compressor Housing. As an option, Aero-Stream offers weighted airline to use in place of the vinyl airline and bricks. Call Aero-Stream to learn more.

- 2) Compressor Housing

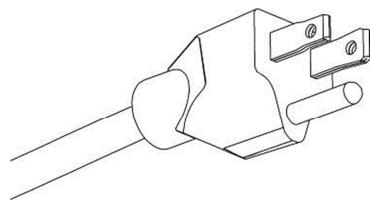
Locate the Housing to the closest electrical outlet on the house, garage or power source. This product **must** be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER: Improper installation of the grounding plug can result in a risk of electric shock. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. Do not modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

This product is for use on a nominal 120-volt AC circuit and has a grounding plug that looks like the plug illustrated in **Figure 1** on page 6. Make sure that the product is connected to a GFCI outlet having the same configuration as the plug. No adapter should be used with this product. This product has an automatically reset thermal limiter, which shuts off the entire product when an elevated temperature condition exists. When the product cools, it will automatically restart.

Housing's 3 prong plug with ground



GFCI Outlet

Figure 1

Place the Housing on the ground next to the power outlet. The Housing must always be resting on its base in a horizontal position. Ensure the selected location is not prone to temporary flooding such as a low area or near a gutter downspout. Evidence of flooding will void warranty.

TIP: Place the Housing on a patio block or similar surface to elevate the unit above the ground. This will insure that the unit does not become flooded and will keep the unit free of yard debris.

WARNING: Do not cover or encase the Housing as adequate ventilation is required to keep the motor cool. In addition, the Housing must always be above the effluent level to prevent backflow.

Peak performance is obtained when the Housing is connected to the Diffuser with the shortest length of Air Line. If the air line is not of sufficient length, measure the distance in feet from the Housing to the end of the Air Line. Contact Aero-Stream® to purchase a properly sized Air Line Extension Kit to connect to the Air Line packaged with the product.

WARNING: an improperly sized air line will detrimentally affect the performance and life of this product and may void the warranty.

If the alternate location for the Housing is selected, obtain a UL outdoor rated extension cord sized in accordance with **Table 1** on page 8 and long enough to reach from the electrical outlet to the alternate location.

If an extension cord is used, select a cord with an end that most closely matches the Aero-Stream® product cord. Use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the product. Wrap the joint between the cords with at least two layers of UL listed electrical tape. This will avoid nuisance tripping of the GFCI device.

Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. For lengths less than 25 feet, No. 18 AWG extension cords should be used. Otherwise, follow the recommendations described in **Table 1** on page 8. An undersized cord will cause a drop in line voltage resulting in loss of power, overheating and may void warranty.

Trim the Air Line running from the pond to the Housing of any excess length. Connect to the short air line from the Housing. Install the Hose Clamp around the Air Line and barbed fitting and cinch tight.

TIP: If the Housing is located more than 24"[.7m] from the pond, bury the Air Line 2"-3"[80mm] below the surface to protect it from damage.