

LOTUS NANOBUBBLE GENERATOR

Quick Start Guide

Notes

A supplemental oxygen gas tank is required to operate the Lotus nanobubble generator. Oxygen gas tank is not included. For safety, follow local electrical codes.

O₂ tank, water tank and pipes not included.



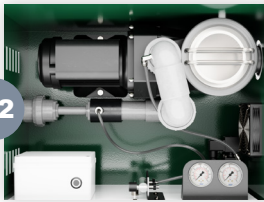
1 Unpacking

1.1



Ensure all accessories were provided with your Lotus. Contact Moleaer for replacement parts. Inspect outer surfaces for shipping damage. Open lid and remove packaging and accessories from the inside.

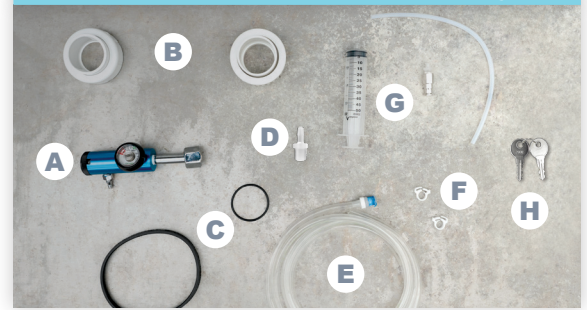
1.2



Inspect components inside of unit for any loose tubing or damaged components and tighten any loose fittings or tubing.

1.3

A Gas Regulator, **B** Piping Connections, **C** Spare O-rings, **D** Barbed Fitting, **E** Tube, **F** Snap-Grip Clamps, **G** CIP Kit, **H** Keys



2 Installation

Unit Position & Location:



- 2.1 Install unit on a level surface.
- 2.2 Position unit within three feet of a standard three-prong 120-volt outlet (15-amps).
- 2.3 Position unit as close to the water tank as possible, while maintaining a minimum distance to electrical outlet.
- 2.4 Ensure there is a minimum one-foot clearance on all sides of unit to avoid risk of damage.
- 2.5 Ensure the pump level is below the minimum water level in the tank so the pump is fed by gravity. Please see the detailed operating manual for non-flooded suction installations.

3 Attach Oxygen Tank



- 3.1 Rent or buy a K or T style oxygen gas tank.
- 3.2 Connect the regulator **A** to the O₂ tank, set the dial to 0.
- 3.3 Connect the air fitting **D** to the Lotus enclosure.
- 3.4 Connect the gas tube between the regulator and the air fitting. Use the snap-grip clamps for securing the tube.
- 3.5 Turn the regulator knob to the lowest settings and check for leaks using soapy water. Turn the regulator dial back to 0.

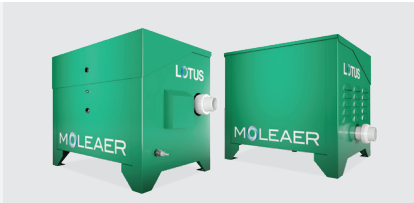


Scan to Download the Owner's Manual and access warranty information for the Lotus Nanobubble Generator.



www.moleaer.com

+1.424.558.3567



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4 Attach Piping



4.1 Using PVC glue (not included), attach hard or flexible PVC piping to the two included connectors, taking note of the orientation of the intake and discharge and the location of the tank. Connection size is 1.5" and hard PVC piping should be 1.5" for inlet and discharge.

Note 1: The intake and discharge piping should be as short as possible. Do not exceed 20 feet for either the intake or discharge pipes.

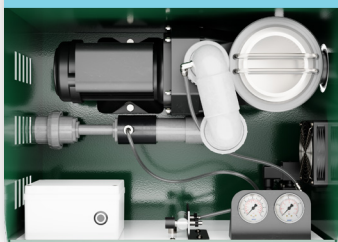
Note 2: The unit should not be placed more than six feet above the nominal water level. Refer to owner's manual piping placement and pump restrictions.

4.2 Included glue-able connections should be hand tightened only, do not use tools to tighten onto the pump or discharge. Ensure all connections are tight before beginning startup steps.

5 Startup

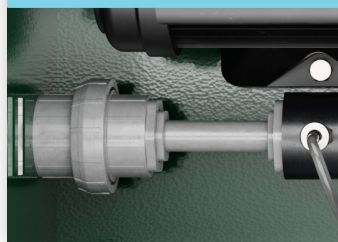
5.1

Open the lid of Lotus and open any isolation valves between the unit and tank on both the inlet and discharge pipes



5.2

Hand-tighten any loose fittings.



5.3

Remove the pump basket lid by turning it counterclockwise. With flooded suction, the basket should fill by gravity.



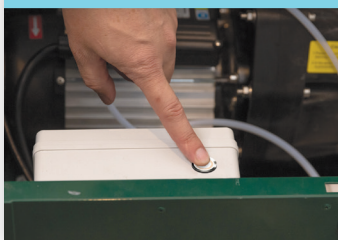
5.4

When the pump strainer fills with water, tighten the pump strainer basket lid by turning the lid clockwise.



5.5

Turn the Lotus on by pushing the start button.



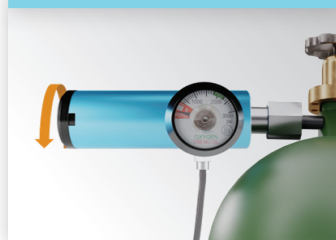
5.6

Check that water is flowing through the pump by verifying that the strainer basket is filled with water.



5.7

Turn the oxygen regulator knob to 1/4 (1/4 lpm). Check for any leaks inside the enclosure at various connection points.



5.8

Run the unit for a minimum of 60 minutes. Adjust the oxygen regulator knob to meet the desired levels of dissolved oxygen.



Please contact Moleaer with any questions or concerns: +1.424.558.3567

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