

#### Prohibition on Use:

Products manufactured and/or sold by Proactive Environmental Products® International LLC or an affiliated entity should only be used with water or in association with products intended for use with water and shall not be used for, in, around, or near combustible or flammable fluids or vapors, including, but not limited to, ethylene oxide, methyl chloride, pentane, gasoline, diesel fuel, benzene, acetone, ethyl alcohol, isopropyl alcohol, etc. Any such non-permitted use of a product may damage such product and could cause risk of personal injury resulting from a hazardous reaction or exposure to potentially hazardous substances and shall be at the sole risk and responsibility of buyer or user and shall terminate any warranty applicable to such product.

#### Limited Warranty Information

Products manufactured by Proactive Environmental Products® International LLC are warranted to the original user only to be free of defects in material and workmanship for a period of 180 days from the date of purchase, provided, however, that if a motor module is built into, affixed to, or provided with any covered product, then the warranty period for such motor module shall be limited to Sixty (60) days from the date of purchase. Proactive Environmental Products® International LLC liability under this warranty shall be limited to repairing or replacing at Proactive Environmental Products® International LLC option, without charge, F.O.B. Proactive Environmental Products® International LLC factory or authorized service station, any defective product manufactured by Proactive Environmental Products® International LLC. Proactive Environmental Products® International LLC will not be liable for any costs of removal, installation, shipping, transportation, or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured by Proactive Environmental Products® International LLC are subject to the warranty provided by the manufacturer of said products and not by Proactive Environmental Products® International LLC warranty. Proactive Environmental Products® International LLC shall not be liable under this limited warranty or otherwise for wear and tear items or issues (including, but not limited to, seals, bearings, wiring, warping, and bending), damage to products caused by abnormal operating conditions, accident, abuse, negligence, misuse, unauthorized alteration or repair, or if the product was not installed in accordance with Proactive Environmental Products® International LLC printed installation and operating instructions.

**Obtaining Service:** To obtain service under this warranty, the defective product must be returned to the distributor or dealer from which it was purchased or directly to Proactive Environmental Products® International LLC, subject to an evaluation fee established by Proactive Environmental Products® International LLC for each defective product, with the following information: proof of purchase with product serial numbers printed on invoice, installation date, failure date, and supporting installation data (example: How was it installed...was it installed using a solar system... was it installed using a 12 volt deep cycle marine battery... was it installed using a step-down transformer of some sort?). Unless otherwise provided, the distributor or dealer will contact Proactive Environmental Products® International LLC for instructions. Any defective product to be returned for warranty services shall be delivered freight prepaid to Proactive Environmental Products® International LLC factory or an authorized service station; documentation supporting the warranty claim and/or a Return Material Authorization must be included if so instructed. Proactive Environmental Products® International LLC requires that all customers notify the distributor or dealer or Proactive Environmental Products® International LLC, as applicable, prior to returning a product under the Proactive Environmental Products® International LLC warranty program, and any such product will only be accepted if it has been thoroughly cleaned and decontaminated and is properly packaged. In the event a product is returned to the distributor or dealer from which it was purchased or directly to Proactive Environmental Products® International LLC and the buyer/user does not take return receipt of the product within six (6) months after such return for warranty service because of buyer's/user's failure to communicate, failure to fulfill any warranty obligation, or otherwise, not including such a failure by Proactive Environmental Products® International LLC, then such product shall become the sole and exclusive property of Proactive Environmental Products® International LLC and it may sell, dispose of, or transfer such product at its discretion.

If a product should fail within the warranty specified, please contact your authorized Proactive Environmental Products® International LLC Distributor or call Proactive Environmental Products® International LLC direct at 1.941.322.8504.

Should any failure to conform to this warranty appear within the term of initial sale, the manufacturer shall upon notification thereof and substantiation that the product with replacement parts or accessories has been maintained, correct such defects by suitable repair or replacement at its own expense, purchaser being responsible for shipping and handling charges only. The Proactive Environmental Products® International LLC warranty does not include shipping or an obligation to provide another unit while the original product is being repaired or replaced. The Proactive Environmental Products® International LLC warranty does not apply to any product used as rental equipment or contaminated by materials harmful to such products. The Proactive Environmental Products® International LLC warranty does not apply to parts failure due to neglect in cleaning or unauthorized servicing of the product, nor does it cover failure of a part caused by misuse or inappropriate use of the product.

**Legal Disclaimer:** Except for its obligation to replace or repair defective products outlined above, Proactive Environmental Products® International LLC shall not be liable to buyer, or to anyone claiming under buyer, for any obligations or liabilities, including, but not limited to, obligations or liabilities arising out of breach of contract or warranty, negligence or other tort or any theory of strict liability, with respect to the products or Proactive Environmental Products® International LLC acts or omissions or otherwise, and buyer shall hold harmless and indemnify Proactive Environmental Products® International LLC for any such claim. The above limited warranty covers only replacement or repair of defective products at Proactive Environmental Products® International LLC factory or authorized service station and does not include the cost of field services (including, but not limited to, travel and living expenses), labor, inspection, removal or installation of new or replacement products, or normal maintenance. To the fullest extent permitted by law, Proactive Environmental Products® International LLC shall not, in any event, be liable for incidental, compensatory, exemplary, punitive, consequential, indirect, special or other damages, including, but not limited to, loss of use, loss of income, loss of profits, loss of time, loss of sales, injury to persons or property, liability buyer incurs with respect to any other person, or any other type or form of consequential damage or economic loss.

Some jurisdictions do not allow for the exclusion or limitation of incidental or consequential damages and some jurisdictions do not allow limitations on how long implied warranties may last. It is the buyer's responsibility to determine if a certain jurisdiction's rules may apply. Therefore, the above limitations or exclusions may not apply to you and it is your responsibility to determine whether the aforementioned limitations to the limited warranty apply and to the extent such limitations may apply in your jurisdiction. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdiction to jurisdiction.

# ALEXIS®

## Peristaltic Pump Version 3.0

12.7.2018 #51



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## Congratulations on purchasing the Alexis® Peristaltic Pump (Version 3.0)!!

### Setting up the Alexis Peristaltic Pump (Item # ALXPERRI-20000 and ALXPERRI-20000-DPH):

#### IMPORTANT NOTES, PLEASE READ BEFORE USING THIS PUMP

1. *If the LVD (Low Voltage Disconnect) light appears red, the pump will shut off which indicates the battery level is below 10.75 volts. PLEASE PUSH ALL BUTTONS TO THE OFF POSITION AND THEN TURN OFF THE MASTER PUMP SWITCH. By not doing this you will discharge and possibly damage the internal battery and may not be able to charge the Alexis. You will need to charge the Alexis battery within 24 hours. **THE PUMP WILL NOT TURN ON OR EVEN BE ABLE TO CHARGE UNLESS THE BATTERY VOLTAGE IS GREATER THAN 11 VOLTS. ONCE THE BATTERY IS CHARGED, NOW POWER ON YOUR PUMP.***
2. If the Internal Fuse engages then it will automatically shut off the pump. This only happens if you should accidentally "reverse polarity" the pump clamps to the battery. The internal fuse will also engage and shut off the pump if the pump should overload. If any of these situations occur, push master pump switch to the off position. Wait 30 seconds for the internal fuse to reset. Then turn on pump according to options 1 or 2. Turn on the Master Pump Switch to power up the Alexis pump. The Alexis pump is now ready to use. There is no fuse to replace in this unit!
3. Always remember to push master pump switch to the off position when storing or transporting the Alexis Peristaltic Pump (Item # ALXPERRI-20000).
4. When the Master pump switch is turned off disengages ALL power for the Alexis, Except, when the Alexis is in charging mode.
5. Unit is not designed to charge internal battery when pump is running in reverse.
6. The Master Pump Switch will not turn off unit if the internal battery charger button is turned to the on position. For the unit to turn off first make sure the battery charger is unplugged and then push the Master Pump Switch off.
7. LCD display shows the percentage of motor speed.

**Do not place accessories inside the lid area. When you close the lid, the accessories will push down and damage the membrane overlay that controls the pump.**

Before operating please insert the proper silicone tubing into the Masterflex Easy Load 2 Pump Head.

Please use Masterflex (MF) or other quality silicone tubing comparable to:

MF# LS 15 = 3/16" ID X 3/8" OD, MF# LS 24 = 1/4" ID X 7/16" OD. MF# LS 36 = 3/8" ID X 5/8" OD.

#### Using the Alexis Double Pump Head System: (Item # ALXPERRI-20000-DPH)

1. Simply unscrew the two screws that attach the first pump head and add the second pump head and replace the existing screws with the enclosed 2 longer screws.
2. *If the Alexis pump fails to turn the double pump heads on at start-up; Insert desired silicon tubing and have both levers on the pump heads released. Turn on pump and increase pumping rate to 100%. **Please make sure your fingers, hair and clothing, jewelry or any article is not near the pump heads while running. Then engage the two pump head levers slowly by pushing down on the two pump head levers. The reason for this action is due to the fact that some silicon tubing manufacturers have slightly different durometers (pliability) making some tubing stiffer than others. After the tubing breaks in at that location should allow the user to turn the pump on and off without going through this process***

#### OPTION 1: Sampling when using the Built-In 30 AMP AGM Internal Battery:

1. Push the **Master Pump Switch On**, and then push the **INTERNAL BATTERY BUTTON** on the control panel.
2. Push the **PUMP ON BUTTON** to the on position.
3. Push the **FORWARD** or **REVERSE BUTTON** on the control panel. **FORWARD** is to lift the liquid from the well. **REVERSE** is to back flush the liquid.
4. Now accurately control the flow of liquid by pushing the **FASTER** or **SLOWER BUTTON**. The variable speed control allows you to lift samples from 30 feet at sea level. The Alexis® has a flow rate from 40ml to 1800ml per minute (depending upon tubing size and depth to water). It incorporates a proprietary control system that will "boost" the internal battery voltage to a consistent voltage output of 13 volts or slightly higher; even if the battery has been running for several hours.

#### CAUTION!

The Alexis pump is not waterproof or water resistant.

**The Master Pump Switch will not turn off unit if the internal battery charger is charging the unit. For the unit to turn off, make sure the battery charger is unplugged and then push the Master Pump Switch off.**

**Do not place accessories inside the lid area. When you close the lid, the accessories will push down and will damage the membrane overlay that controls the pump.**

#### OPTION 2: Sampling and charging at the same time when using the AC plug: (With either 120 volt or 220 volt)

1. Insert the male power cord from the Vmax charger into the female connector on the front of the Alexis pump. Push the **MASTER PUMP SWITCH** on, and then push the **INTERNAL BATTERY CHARGER** on button. This will start the battery charging process. If the User wishes to use an external AC power source then the **INTERNAL BATTERY CHARGER** button needs to stay on all of the time. And at the same time the user is simultaneously charging the internal 30 AMP AGM battery.
2. To Use The Alexis: Push **INTERNAL BATTERY BUTTON ON**. Then push the **PUMP ON BUTTON**.
3. Push the **FORWARD** or **REVERSE** button on the control panel. **FORWARD** is to lift the liquid from the well. **REVERSE** is to back flush the liquid.
4. Now accurately control the flow of liquid by pushing the **FASTER** or **SLOWER BUTTON**. The variable speed control allows you to lift samples from 30 feet at sea level. The Alexis® has a flow rate from 40ml to 1800ml per minute (depending upon tubing size and depth to water). It incorporates a proprietary control system that will "boost" the internal battery voltage to a consistent voltage output of 13 volts (max) or slightly higher; even if the battery has been running for several hours.
5. Please charge every 30 days or sooner to maintain good battery life, not doing so will drain the battery and you will not be able to use the pump even in AC or external DC mode

**The Master Pump Switch will not turn off unit if the internal battery charger is charging the unit. For the unit to turn off, make sure the battery charger is unplugged and then push the Master Pump Switch off.**

#### Charging Instructions with an AC Source: (With either 120 volt or 220 volt)

1. Insert the male power cord from the Vmax charger into the female connector on the front of the Alexis pump. Push the **MASTER PUMP SWITCH** on, and then push the **INTERNAL BATTERY CHARGER** on button. This will start the battery charging process. It may take up to 16 hours to charge the battery 100%.
2. To test the internal battery level. Unplug the battery charger, turn **MASTER PUMP SWITCH** off. Then turn **MASTER PUMP SWITCH** on. Now, push down the **INTERNAL BATTERY CHARGER INDICATOR** button. The green light should go all the way to the right, indicating a 100% charge. Keep lid open when charging pump for battery ventilation.
3. Please charge every 30 days or sooner to maintain good battery life, not doing so will drain the battery and you will not be able to use the pump even in AC or external DC mode.

**The Master Pump Switch will not turn off unit if the internal battery charger is charging the unit. For the unit to turn off, make sure the battery charger is unplugged and then push the Master Pump Switch off.**

#### Charging Instructions with alligator clamps hooked to external battery or other 12-volt DC clamp on style 12-volt DC output sources.

1. Insert the male cigarette power cord from inverter into the female cigarette receptacle that will be powering the Vmax charger. You will need the accompanied alligator clamps to hook up the charger directly to a 12 volt battery or other type of 12 volt source that incorporates 12 volt power terminals. Then connect the Vmax charger to the AC input into the inverter. Turn inverter on. Now, Plug the Vmax charger into the female connector on the front of the Alexis pump.
2. Push the **MASTER PUMP SWITCH** on, and then push the **INTERNAL BATTERY CHARGER** on button. This will start the battery charging process. It may take up to 16 hours to charge the battery 100%.
3. To test the internal battery level. Unplug the battery charger, turn **MASTER PUMP SWITCH** off. Then turn **MASTER PUMP SWITCH** on. Now, push down the **INTERNAL BATTERY CHARGER INDICATOR** button. The green light should go all the way to the right, indicating a 100% charge. Keep lid open when charging pump for battery ventilation.
4. Please charge every 30 days or sooner to maintain good battery life, not doing so will drain the battery and you will not be able to use the pump even in AC or external DC mode

#### Charging Instructions with cig plug in your automobile:

1. Insert the male cigarette power cord from inverter into the female cigarette plug in your automobile. Then connect the Vmax charger to the AC input into the inverter. Turn inverter on. Now plug the Vmax charger into the female connector on the front of the Alexis pump.
2. Push the **MASTER PUMP SWITCH** on, and then push the **INTERNAL BATTERY CHARGER** on button. This will start the battery charging process. It may take up to 6 hours to charge the battery 100%.
3. To test the internal battery level. Unplug the battery charger, turn **MASTER PUMP SWITCH** off. Then turn **MASTER PUMP SWITCH** on. Now, push down the **INTERNAL BATTERY CHARGER INDICATOR** button. The green light should go all the way to the right, indicating a 100% charge. Keep lid open when charging pump for battery ventilation.
4. Please charge every 30 days or sooner to maintain good battery life, not doing so will drain the battery and you will not be able to use the pump even in AC or external DC mode.