

# Lake Bottom Mount Kit with Vertical Operation Option



Shown with Deicer/ Circulator purchased separately and mounted on Lake Bottom Mount kit.

Congratulations on choosing an Arbrux Limited product. We at Arbrux Limited appreciate your decision for choosing our premium quality equipment. The following is a manual regarding the installation, usage care and storage of your product. Please store this manual in an easily accessible location. DO NOT DESTROY.

## **General Information**

The following is provided to inform persons of potential injury hazards inherent with this product. This Lake Bottom Mount kit is designed so you can adjust the flow of water from your deicer/ circulator. It can be adjusted from horizontal to approximately 20 degrees upwards.

## **IMPORTANT SAFETY INSTRUCTIONS**

- Under no circumstances should anyone enter the body of water when the product is plugged in and/or in operation. It is NEVER recommended to enter water when any type of electrical equipment is in use. Turn off power and lock out before installing or servicing.
- Before attempting installation, service or maintenance to the equipment in any body of water a coast guard approved flotation device must be worn.
- Always use a Class A Ground Fault Protected circuit to power your equipment . The unit must be grounded. Failure to connect to a proper Class A ground fault protected circuit could result in injury or death. Ground Fault Circuit interrupters must be tested upon installation and monthly thereafter.
- Attempting to install or service the product from an unstable work platform could result in injury or death. Installation and/or service work must be done from a stable work platform to avoid the possibility of capsizing.
- All pumps used with the dock mount kit must have the correct supply voltage and the supply power must be installed by a qualified electrician.
- Do not operate the equipment out of water.
- 3 Phase pumps require a startup test to ensure correct rotation. If rotating in the opposite direction damage to the unit may occur. Motors rotate counter clockwise when looking at propeller end.
- Arbrux Limited recommends that precautions be taken around open water and thin ice. Please install appropriate signage, lights, fencing or other safety notices to inform the general public of potential danger. Alternate safety measures may be required by law in your area.

Immediately inspect the shipment upon arrival. Any external evidence of loss or damage must be noted on the freight bill or express receipt, and signed by the carrier's agent. Failure to adequately describe such external evidence of loss or damage may result in the carrier refusing to honor a damage claim. The form required to file such a claim will be supplied by the carrier. ***If an order has a short shipment, you must notify Customer Service within 5 days of receipt along with appropriate proof of short shipment. Otherwise shipment will be considered accepted as delivered.***

## Assembly

### Standard Lake Bottom Mount Kits include:

3	AR200SC29	Aluminum 1-1/4" tube 4 foot long	2	AR100SC98	3 to 5" Stainless Gear Clamps
2	AR200SC31	Aluminum 1-1/4" tube 2 foot long	5	E7500M	Cable Tie
1	AR200SC32	Aluminum 1-1/4" tube 8 inches long			
6	AR100SC22	Cross Fitting			
1	AR100SC27	Pivot Motor Mount c/w rubber isolator			
1	c/w				
	AR100SC24				



**1.** Install cross fitting in middle of all (3) four foot long 1-1/4" aluminum tubes and tighten both bolts. Do not overtighten.



**2.** Install cross fitting at end of both two foot long 1-1/4" aluminum tubes and tighten bolts. Do not overtighten.



**3.** Install two foot tube into cross fitting in middle of four foot tube as shown. Extend the tube 1 inch below bottom of the cross fitting and tighten. Do not overtighten. The pipe is 1 inch below the cross bottom to help anchor the kit into the lake bottom to prevent movement backwards against the thrust. In some situations additional weight may be required to anchor in place. Cement blocks or other weights can be used if required.

**4.** Join two T pieces made in previous step with last four foot long 1-1/4" aluminum tube as shown. Ensure all cross connections are square and tight. Do not overtighten.



**5.** Place pump horizontally on a flat surface with power cable on top side. Hold pivot motor mount with rubber isolator on top of pump. Install first gear clamp around motor and rubber mount as shown and tighten securely. Do not overtighten.



**5a.** Place a spacer such as a ratchet handle as shown to maintain rubber isolator spacing from motor.



**6.** Place second gear clamp in location shown around motor and rubber mount as shown and tighten securely. Do not overtighten.





**6a.** Remove ratchet or other item used as a spacer.

- Ensure the rubber belt has sufficient gap as shown so two rear rubber mount bolts do not touch motor. If they touch motor you may experience a resonance noise.



**7.** Install last cross fitting on one end of eight inch long 1-1/4" aluminum tube and install on top aluminum cross on slight angle as shown. Tighten all bolts. Do not overtighten.



**8a.** When using in vertical or near vertical position install pump as shown on cross fitting on bottom of eight inch long 1-1/4" aluminum tube. Tighten all bolts. Do not overtighten. Install tyrap on power cable as shown in next step to prevent power cable from being drawn into propeller. Install tyrap as shown to prevent power cable from being drawn into propeller. **\*\*Important\*\*** Also ensure shore end of power cable is secured to prevent it from being drawn into propeller. The pump moves large volumes of water and weeds or other objects can get tangled in power cable and draw it into the propeller.



**8b.** When using in horizontal or near horizontal position install pump as shown on cross fitting. Change lower cross alignment so that pump is inline with frame. Tighten all bolts. Do not overtighten. Install tyrap on power cable as shown to prevent power cable from being drawn into propeller. Install tyrap as shown to prevent power cable from being drawn into propeller. **\*\*Important\*\*** Also ensure shore end of power cable is secured to prevent it from being drawn into propeller. The pump moves large volumes of water and weeds or other objects can get tangled in power cable and draw it into the propeller.

**9.** This system is designed to work on a large variety of lake bottoms however your situation may require additional support to prevent the pump and lake mount kit from moving or sinking into the lake bottom. Additional weight may be required to prevent it from moving such as cement blocks or stones. If your lake bottom is soft and deep with silt then additional support may be required to prevent it from sinking into the lake bottom and damaging the pump.



## **1 Year Limited Warranty**

Arbrux Limited warrants this product against failure due to defects in materials or workmanship for 1 year from date of shipment to the original purchaser when installed by qualified personnel. There is no warranty if it not fastened securely to a solid surface.. This warranty applies to the product when operated under normal and proper conditions as determined by the manufacturer upon examination and when owned by the original purchaser who has registered the warranty within 30 days of purchase. Please include original proof of purchase with the warranty registration card. Any alterations to or substitution for items in this system, unless allowed by the installation instructions, will void the product warranty. This is the only warranty that Arbrux Limited makes for its product and it is in lieu of any other warranties, express or implied and any other obligation or liability whatever on the part of Arbrux Limited. In no event shall Arbrux Limited be held liable for any special or consequential damages.

## **Warranty Claim Procedure**

Warranty determination will be made by our technical service department in accordance with the appropriate warranty policies. All warranty returns must be accompanied by a valid RA number. This number can be obtained by contacting Arbrux Limited Customer Service. Original purchaser must have registered warranty with installation checklist for all warranty returns. Model and serial number must be provided. Please mark the RA number prominently on outside of the box(s) being shipped.

Items returned for warranty are FOB Arbrux Limited and should be returned in the original packaging to ensure minimal return shipping costs. If the original packaging is not retained and used by the customer, Arbrux Limited will supply replacement packaging (at a nominal charge) upon return of the equipment. Only complete assemblies including power cable will be considered for warranty repair.

## **Repair Returns**

To avoid any delays in the repair of equipment in question, please contact the factory at 888-211-3548 to determine what portion or portions of the equipment in question should be returned. The product is to be returned completely assembled. Do not disassemble any portion without prior written authorization.

Shipping is FOB Arbrux Limited and all items should be returned in the original approved packaging to ensure minimal shipping charges. If the original packaging is not retained and used by the customer, Arbrux Limited will supply replacement packaging (at a nominal charge) upon return of the equipment to the customer.

Upon inspection of the returned equipment, you will be contacted by Arbrux Limited with an explanation of the repairs and charges if any. **NO REPAIRS WILL BE MADE UNLESS AUTHORIZED BY THE OWNER OR AGENT.**

**You may contact:**  
Arbrux Limited  
10 Sarjeant Drive  
Barrie, On, L4N 4V8  
1 (888)-211-3548

**Customer Registration Copy**

Owner Name: \_\_\_\_\_

Date Purchased: \_\_\_\_\_

Owner Address: \_\_\_\_\_

City: \_\_\_\_\_ Prov/State: \_\_\_\_\_

Model#: \_\_\_\_\_

Dealer Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Prov/State: \_\_\_\_\_

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**Mail In form**  
**Warranty Registration**

Purchase Date: \_\_\_\_\_

Model #: \_\_\_\_\_

Owner Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Prov/State: \_\_\_\_\_ PC/Zip: \_\_\_\_\_

Dealer Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Prov/State: \_\_\_\_\_ PC/Zip: \_\_\_\_\_

**Include original receipt as proof of purchase with your warranty registration within 30 days.**

