

# Dock Mount Kit



Shown with Deicer/ Circulator purchased separately and mounted on 45 degree angle before lowering into water.

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 dock mount bracket is designed so you can adjust the flow of water from your deicer/ circulator. It can be adjusted from vertical to horizontal and rotated to optimize flow direction.

## **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 are intended for permanent connection and 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 Dock Mount Kits include:

2	AR100SC98	Stainless Steel gear clamp	4	AR100SC93	3/8-7x2" Galvanized Hex Lag
1	AR100SC21	Side Dock Mount Bracket	1	AR100SC23	1-1/4" Pipe Cap
1	AR100SC22	Pivot Cross	1	AR100SC29	1-1/4" Pipe stop for rotary adjustment
1	AR100SC27	Pivot Motor Mount c/w rubber isolator			
1	AR100SC28	Aluminum 1-1/4" pole 6 foot long.			



**1.** Hold side dock mount bracket even with top edge of dock and mark four mounting hole locations with a pencil.



**2.** Marked hole locations to be drilled in center with 3/16" pilot holes to prevent dock side board splitting.



**3.** Side board with pilot holes drilled.



**4.** Fasten side dock mount bracket to dock with four 3/8-7x2" galvanized lag screws. Ensure dock surface being mounted to is solid and sound and will hold bracket securely. Mounting to inadequate surface may cause failure. **Some dock applications may require alternate mounting method for the side dock mount bracket installation.**



**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.



**6.** Place second gear clamp in location shown around motor and rubber mount as shown and tighten securely



**7.** Slide aluminum tube into side dock mount bracket low enough that bottom can be reached from dock and temporarily tighten.

**8.** Install pump to bottom of pole and tighten securely. Adjust pivot angle to desired position and tighten securely. Pivot angle can be adjusted from vertical to horizontal ( do not point pump downwards below horizontal as motor thrust bearing may be damaged).



● Bolts that are loosened to adjust angle from vertical to horizontal. Ensure they are tight when angle is adjusted.

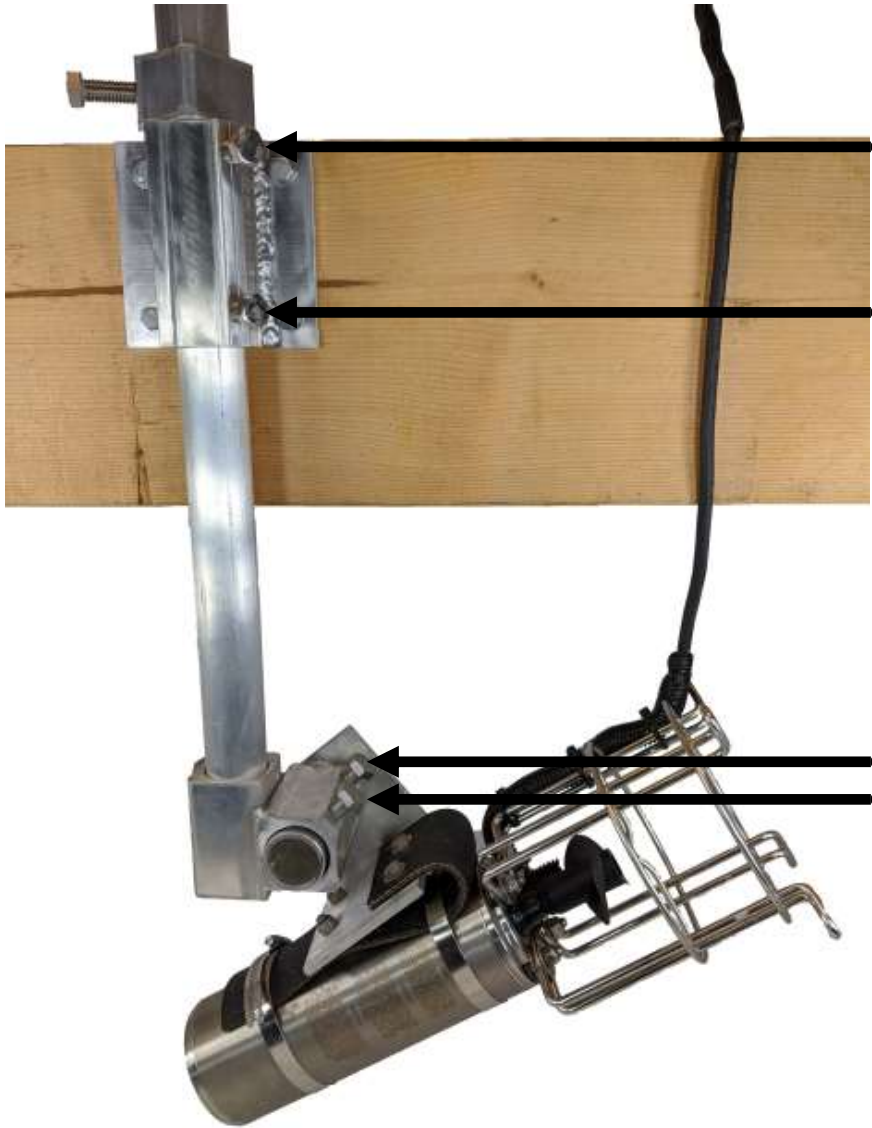
**9.** Slide pipe stop for rotary adjustment over top of tube (do not tighten yet). Hold pipe securely and loosen bolts shown below and lower pump into water to desired depth (Ensure it is at least 1 foot off of lake bottom and will not erode bottom or around footings and piers or damage pump). Tighten two bolts shown below securely when depth is set. Now tighten bolt securely for pipe stop rotary adjustment.



● Bolts that are loosened to adjust pump depth.

**10.** Install rubber cap on top of aluminum tube. Fasten power cable to top of tube to ensure that it does not become entangled in propeller or fall into water.





Bolts that are loosened to rotate circulator in direction required. Ensure they are securely tightened when rotation is adjusted.

**11.** Pump shown mounted close to dock for clarity. It should be mounted in water 2 to 3 feet deep minimum to prevent propeller cavitation which draws air into propeller and is very loud and will cause pump damage.

Bolts that are loosened to adjust angle from vertical to horizontal. Ensure they are securely tightened when angle is adjusted.

## **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.**

