

# Ultimate Stock Tank De-icer & Ultimate Bucket Heater Care & Instructions

Made in China  
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**Thank you for purchasing a K&H Farm Essentials Ultimate Stock Tank De-icer (&/or the Ultimate Bucket Heater\*). With proper care and use, it should provide many years of hassle free service.**

*\*Note for owners of the Ultimate Bucket Heater: The instructions are the same for either product - wherever the Stock Tank De-icer is mentioned below, same goes for the Ultimate Bucket Heater. Exception is any mention of a float, the Ultimate Bucket De-icer does not include a float option.*

**WARNING:** This is an electrical product. Read all directions and precautions carefully before operating. Failure to properly follow all directions and instructions may lead to electrical shock or fire which could cause serious bodily injury.

## USE & CARE INSTRUCTIONS

Read all instructions carefully. This is an electrical product, pay special care to IMPORTANT SAFEGUARDS.

### 1 FOR USE AS A FLOATING DE-ICER:

Simply unpack your de-icer from the box, uncurl the cord and float it in your stock tank. (You may want to adjust the cord to ensure the de-icer is floating level in the water.) The Ultimate de-icer has a plastic cord protector to help against abrasion. This protector can slide on the cord and is recommended to have this protection where the cord exits the tank. Plug your Ultimate de-icer into a GFCI electrical outlet.

### 2 FOR USE AS A SUBMERSIBLE DE-ICER:

To use your Ultimate stock tank de-icer as a submersible de-icer, hold the de-icer and spin the floater ring located on the top of the de-icer, counter-clock wise. It will unscrew and detach from the main housing body. Once the floater ring is removed, uncurl the cord and place the de-icer into a desired location at the bottom of the stock tank. Be sure the de-icer is resting on its feet. (The heating element will be facing up toward the surface of the water.) Adjust the cord protector by sliding it on the cord to the location that the cord exits the tank. Once you are satisfied with the placement of the de-icer, plug your Ultimate de-icer into a GFCI electrical outlet.

### 3 CARE AND MAINTENANCE:

Occasionally inspect your de-icer for proper placement and to ensure there is not excessive mineral build-up on the heating element. Mineral build-up will look like a whitish scaly material on the heater. If you see the heating element has mineral build-up, unplug the de-icer. Allow 1 minute before removing the de-icer from the water to ensure it is cool to the touch. If the floater ring is attached, remove it as described above and set aside for re-installation after the cleaning process. Locate the 4 push buttons around the sides of the housing. Push one at a time to detach the top from the bottom housing. When you have the bottom housing with the exposed heater, thread the cord back through the housing so it hangs freely from the heater. This will allow you to unscrew the heater from the housing. After unscrewing the heater from the housing, wipe the heating element with a wet or damp cloth to remove the scale build-up. If the build-up is stubborn, a commercially available lime and mineral deposit removing liquid can be used. This can be placed into a shallow container and the heating element can be placed into the lime removing liquid until it is clean. Only the heating element portion of the heater should be submersed into a cleaning fluid. After cleaning, follow the steps above for placement back into your stock tank.

### 4 STORING YOUR STOCK TANK DE-ICER:

After the winter season, always unplug your Ultimate de-icer and remove from the stock tank. Make sure your de-icer is dry and properly cleaned before storing it away in a dry, safe place, out of direct sunlight and away from work areas where it may become damaged. For re-installation, always carefully inspect your Ultimate de-icer before plugging it in. Inspect the cord, the housing, plug and heating element for damage. If you see any cracking of the cord or other damage, DO NOT USE! Discard the de-icer.

## IMPORTANT SAFEGUARDS

**When using electrical appliances, basic safety precautions should always be followed including the following:**

- Have a qualified electrician install a properly grounded outlet, acceptable for outdoor use and protected from snow and rain immediately adjacent to the location where the heater will be used. If your outlet is not a GFCI outlet or if you are unsure, have a qualified electrician inspect and install one if needed.
- Route supply cord and locate the heater so as to be protected from damage by livestock.
- Do not use extension cords.
- Inspect cord before using. If the cord is damaged do not use.
- Unplug heater at receptacle outlet when not in use or before removal from tank.
- Store heater indoors after the winter season.



**WARNING:**  
HEATING ELEMENT MUST BE  
SUBMERGED UNDER WATER AT ALL TIMES  
when the de-icer is in use!

- Make sure the cord is placed properly to ensure the de-icer floats level when using as a floating de-icer.
- Never allow tank to run dry.

### K&H Limited Two Year Warranty

**Our warranty is as follows:** K&H Manufacturing warrants to the original consumer, that this product will be free of defects and workmanship for a period of two years from the date of purchase. The manufacturer's liability hereunder is limited to replacement of the product. This warranty is void if the product has been damaged by accident, unreasonable use, neglect, tampering, or other causes not arising from defects in material or workmanship.

**To exercise your warranty:** If, during the warranty period, your product malfunctions, return it to the place of purchase with your **original purchase receipt**. If this cannot be done, return the product, postage prepaid, to K&H Manufacturing, with **dated proof of purchase or original date receipt**. A return authorization number, obtained by calling (719) 591-6950 must accompany all returns to manufacturer. Please include a note explaining the problem when returning the product.