

## **INSTALLATION INSTRUCTIONS FOR MODEL 72 DP DRAIN PLUG DE-ICER**

ALLIED PRECISION IND., INC  
705 E. North Street  
Elburn, Illinois 60119

**IMPORTANT:** To insure safety for both you and your livestock it is essential that you read and follow the instructions on **BOTH SIDES** of this instruction sheet.

**CAUTION:** (1) Have a qualified electrician install a properly grounded receptacle outlet, acceptable for outdoor use and protected from snow and rain, immediately adjacent to the locations where the heater will be used, (2) route the supply cord and locate the heater so as to be protected from damage by livestock, (3) do not use extension cords, (4) inspect cord before using, (5) unplug heater at receptacle outlet when not in use or before removing from tank, (6) store heater indoors after winter season and (7) to ensure continued protection against shock hazard, connect to properly grounded outlets only.

### **MAINTENANCE**

Do not allow lime or other impurities (e.g. iron, mud, fish waste, etc.) in the water to build up in excess of 1/32" on the diameter of the tubular heating element. This is an allowance of 1/64" on each side. An excess build up can cause the heating element to burst, sending electrical current directly into the water. The frequency of cleaning depends directly upon the composition of your water supply (e.g. lime and iron content). Remove these deposits with a lime removing liquid obtained at any farm or hardware store. Begin by soaking the heating element in a shallow pan containing the liquid and then remove the deposits being careful not to damage the heating element.

**GROUND FAULT INTERRUPTER** must be installed in the circuit. This is a very sensitive device that cuts off the electrical current if there is any leakage of electricity in your water tank. This device may be obtained from any electrician or hardware store.

**WARRANTY:** This deicer is warranted 12 months from the date of purchase. If you believe your de-icer is defective and still within the warranty period, return it to the factory for inspection and possible replacement. The warranty is voided if (1) the ground terminal on plug has been removed, (2) excessive deposits have been allowed to accumulate on the heating element, (3) there is evidence of general abuse such as animals chewing on the cord. This warranty does not cover incidental or consequential damage resulting from either a defect in parts, materials, or operation failure. Some states do not allow the exclusion or limitation of the above damages so the above limitation may not apply to you. No agent, employee, or representative of Allied Precision has any authority to bind Allied Precision to any affirmation, representation or warranty directed towards any products bearing the Allied Precision name, except as stated herein. This warranty gives you specific legal rights—you may also have other rights which vary from state to state.

## **PLEASE READ BOTH SIDES OF INSTALLATION INSTRUCTIONS FOR IMPORTANT SAFETY INFORMATION**

### **Installation in Freeland® plastic tank**

1. Remove the entire drain plug assembly from tank.
2. Remove the plastic nut from the deicer.
3. Be sure to leave the rubber gasket on the threaded side of deicer and against the flat of the heater housing.
4. Set the deicer on the inside of the tank. Let it rest on the bottom of the tank surface with the bolts facing downward toward the tank surface. The rubber gasket should be between the inside of the tank surface and the back of the deicer.
5. Insert the power cord plug through the drain hole from the inside of the tank.
6. Be sure that the bolts attached to the heating element are facing downward toward the bottom of the tank.
7. Insert the plastic nut onto the cord by using the "slot" in the nut. The plastic nut should be inserted so the side marked "B" is facing toward the tank surface.
8. Tighten the nut snug onto the threaded stem of the heater housing and up against the outside tank surface. **Do not over tighten.**

### **Installation in High Country® plastic tank**

1. Remove the drain plug from tank.
2. Remove the plastic nut from the deicer.
3. Be sure to leave the rubber gasket on the threaded side of deicer and against the flat of the heater housing.
4. Set the deicer on the inside of the tank. Let it rest on the bottom of the tank surface with the bolts facing downward toward the tank surface. The rubber gasket should be between the inside of the tank surface and the back of the deicer.
5. Insert the power cord plug through the drain hole from the inside of the tank.
6. Be sure that the bolts attached to the heating element are facing downward toward the bottom of the tank.
7. Insert the plastic nut onto the cord by using the "slot" in the nut. The plastic nut should be inserted so the side marked "A" is facing toward the tank surface.
8. Tighten the nut onto the threaded stem of the heater housing and up against the outside tank surface. Position the nut so that the raised ring fully inserts into the drain hole on the tank. This will stabilize the heater.
9. Tighten this nut "snug" **but do not over tighten.**

### **Installation in Rubbermaid® stock tank**

1. Remove the drain plug assembly from tank.
2. Remove the plastic nut from the deicer.
3. Be sure to leave the rubber gasket on the threaded side of deicer and against the flat of the heater housing.
4. Set the deicer on the inside of the tank. Let it rest on the bottom of the tank surface with the bolts facing downward toward the tank surface. The rubber gasket should be between the inside of the tank surface and the back of the deicer.
5. Insert the power cord plug through the drain hole from the inside of the tank.
6. Be sure that the bolts attached to the heating element are facing downward toward the bottom of the tank.
7. Insert the plastic nut onto the cord using the "slot" in the nut. The plastic nut should be inserted so the side marked "B" is facing toward the tank surface.
8. Tighten the nut onto the threaded stem of the heater housing and up against the outside tank surface. Position the nut so that the raised ring fully inserts into the drain hole on the tank. This will stabilize the heater.
9. Tighten this nut "snug" **but do not over tighten.**

### **MODEL 72 DP**

