708DS Pump Priming Procedure

The 708-DS Wide Input Range Heater is provided with an efficient pump for circulating the water through the heater and bath. This pump has a long life ceramic bearing that must be wet in order to operate properly. If run dry for more than a minute, this bearing will overheat and may fail. In order to maximize the life of the pump, please follow these priming procedures.

1) Ensure the water bath is filled to its OPERATING WATER LEVEL.

2) Rotate the pump such that the Priming Instructions label has its arrow pointing down.
3) Lift the OUTLET hose allowing any trapped air bubbles to exit the pump. As the air bubbles exit the pump, the OUTLET hose should fill with water.

4) Verify that there are no remaining air bubbles at the INLET hose on the pump.
5) Turn ON the heater/pump unit.
6) Any remaining trapped air should exit the pump. If a gurgling sound is heard after 30 seconds, turn OFF the heater/pump unit, wait 1 minute, then turn power back ON.
7) If the pump is operating normally, return the pump to its standard operating position. If the pump is not moving water, or a loud gurgling sound is still heard, then the pump has not primed. Turn OFF the pump power immediately. Correct any issues noted below, then repeat steps 1 through 7 to prime the pump.
   a. There may not be enough water in the bath. The water level must be at the OPERATING WATER LEVEL.
   b. The inlet tube may be pinched, not allowing enough water into the unit.
   c. The outlet tube may be pinched, not allowing the entrapped air to leave the unit.
   d. There may be an obstruction in the bath that does not allow full water flow.

**NOTE WHILE PRIMING:** Do not allow the pump to operate for more than 30 seconds at a time without full water flow. If priming does not happen within 30 seconds, turn OFF the pump and wait at least 1 minute before turning pump back ON. Running the pump for longer periods without proper prime WILL damage the pump bearing.