

## LIMITED WARRANTY

NuWhirl Systems Corp. ("NuWhirl") warrants to the original purchaser that all products will be free of material defects in materials and workmanship for a period of

- Ten (10) years in the case of pumps and heaters used in residential applications;
- Five (5) years in the case of non-plated plastic fittings used in all applications;
- One (1) year in the case of all other products including, without limitation, air blowers, electronic controls and lights, and plated plastic fittings used in all applications and pumps and heaters used in commercial applications;

in each case, beginning on the date of purchase. This warranty may not be transferred or assigned to anyone other than the original purchaser.

In the event of any such defect, NuWhirl may, in its sole discretion, repair or replace the defective product or refund the purchase price thereof.

To obtain warranty service, purchaser must return product to NuWhirl during the warranty period. NuWhirl will pay the freight costs for the return of any products for warranty service. Purchaser is responsible for all other costs incurred in obtaining warranty service, including, without limitation, all cost of removal and reinstallation of product. Purchaser is responsible for all freight costs for return of products not covered by warranty or returned for reason other than warranty service.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NUWHIRL'S LIABILITY, IF ANY, WHETHER ARISING FROM BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, INDEMNITY, STRICT LIABILITY OR OTHER TORT, OR OTHERWISE WITH RESPECT TO ITS PRODUCTS IS LIMITED TO AN AMOUNT NOT TO EXCEED THE PRICE OF THE PARTICULAR GOODS OR SERVICES GIVING RISE TO THE LIABILITY. IN NO EVENT SHALL NUWHIRL BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, WATER DAMAGE TO STRUCTURES OR OTHER PROPERTY.

The foregoing warranty shall not apply to any product which:

- has been damaged by or subject to negligence, abuse, misuse, misapplication, improper installation, alteration or modification, chemical corrosion, or improper maintenance;
- has been used in a manner contrary to written instructions supplied with the product;
- has been altered or repaired by anyone not either an authorized representative of NuWhirl or at the direction of such a representative;
- is due to normal industry color variation;
- has had the model identification or serial number removed, defaced or altered; or
- requires repair or replacement due to wear and tear, including, without limitation, worn-out motor brushes.

There will be a charge for replacement or service if products are returned for any of the reasons listed above and purchaser will be responsible for all freight costs.

Products, systems, components and fixtures not supplied or manufactured by NuWhirl may be installed in connection with NuWhirl products. NuWhirl makes no warranty with respect to such products, systems, components and fixtures.

NuWhirl does not perform and does not warrant the installation (including, without limitation, plumbing and electrical hookup) of NuWhirl products or any other products, systems, components or fixtures installed in connection therewith and is not responsible and accepts no liability therefor.

NuWhirl reserves the sole authority to make any type of warranties or representations concerning NuWhirl or its products. This warranty cannot be modified except in a writing signed by an authorized officer of NuWhirl. NuWhirl will not be responsible for any warranties or representations made by any third party, including dealers, retailers, distributors, or contractors.

## **RETAIN THIS MANUAL FOR FUTURE REFERENCE**



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# WHIRLPOOL BATH HEATER Installation and Operation Manual

## **SAFETY INSTRUCTIONS**

When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. WARNING - To reduce the risk of injury, DO NOT PERMIT CHILDREN TO OPERATE THIS PRODUCT UNLESS THEY ARE CLOSELY SUPERVISED BY AN ADULT, at all times.
3. All electrical wiring of the heater installation must be done by a licensed electrician in accordance with applicable electrical codes. Make sure power is off from source before installation.
4. WARNING - Risk of electric shock. Connect only to a ground type receptacle or power supply junction box protected by a Ground-Fault Circuit Interrupter (GFCI). Contact a qualified electrician if you cannot verify that the power supply is protected by a GFCI. The GFCI should be tested on a routine basis. Consult the GFCI manufacturers instructions for correct testing and operation.
5. To reduce risk of electric shock, replace damaged cord immediately. Do not use an extension cord to connect the heater to the electric supply; provide a properly located receptacle or junction box.
6. An access panel, for inspecting the heater is recommended for all installations. Make sure power to the heater is off during inspection.
7. CAUTION - This heater is intended for use on Whirlpool Bathtubs only, as described in this manual. Other than for service replacement, this heater is suitable only for factory assembly and installation.

## **SAVE THESE INSTRUCTIONS**

Follow all instructions closely. Any misuse, modification, or alteration of the heater will void all certifications and warranties.

**For your records, and future reference, please fill in data below:**

MODEL #: \_\_\_\_\_

SERIAL #: \_\_\_\_\_

## **INSTALLATION INSTRUCTIONS**

### **HEATER INSTALLATION**

1. The heater must be installed by the manufacturer of the whirlpool bathtub prior to shipping the bathtub.
2. Three variations of heater are available, install according to type:
  - In-line Vacuum: This style heater is to be installed in the suction line with the supplied 1-1/2" connectors
  - In-line Pressure: This style heater is to be installed in the 1" jet water line with the supplied 1" offset connectors positioned with the offset at the 6 o'clock position to provide complete drainage of the heater
  - Tee Pressure: This style heater is mounted to the pump outlet and connected to the 1" jet water lines with the supplied 1" connectors. If offset connectors are supplied, they shall be installed with the offset in the 6 o'clock position
3. Each connector includes an appropriate gasket that is all that is required for a leak-free joint. Tighten the connectors **HAND TIGHT ONLY! Do not use a pipe wrench or strap wrench of any kind! Over tightening of the nut may cause failure of the joint.** The use of Teflon tape or pipe compound on the fitting threads is prohibited, as these materials may react adversely with the materials used in the connectors and cause failure of the joint.

### **HEATER WIRING**

1. **Make sure power is off from the source before installation.**
2. The heater must be wired for the proper voltage by a licensed electrician in accordance with all applicable electrical codes.
3. The voltage, ampere draw, and frequency are listed on the heater nameplate—DO NOT EXCEED NAMEPLATE VOLTAGE.
4. Install an outlet receptacle or junction box (depending on the power cord configuration supplied on the heater) within range of the power cord.
5. The conductors to supply power to the outlet receptacle or junction box must be large enough to carry the necessary amperes for the required length without excessive voltage drop.
6. The power to the heater should be on a dedicated branch circuit that is protected by a Ground-Fault Interrupter Circuit (GFCI). The GFCI should be readily accessible for routine operational testing.
7. All internal wiring has been completed at the factory. No additional wiring is required in the terminal box compartment.
8. The metal enclosures of all electrical components, current collectors, and other metal in contact with the tub water shall be bonded together with individual solid copper bonding conductors not smaller than #8 AWG. A bonding lug for this purpose is provided on the heater.

## **OPERATING INSTRUCTIONS**

Your whirlpool bathtub heater has been specifically designed to enhance the enjoyment of your whirlpool bath. Once filled, the warm relaxing temperature of the whirlpool bath is constantly maintained by a built-in thermostat for as long as you desire.

The operation of the heater is totally automatic. The heater will activate to maintain the temperature of the water in the bathtub whenever the pump is on.

A "heater on" indicator is included on the front of the heater for servicing reasons. This indicator is illuminated while the heater is actively heating the water.

**Note: if your whirlpool bathtub is equipped with adjustable jets, variable speed pump, or other flow control system, the pre-set pressure switch may not activate the heater at low water flow levels. To assure proper heater operation, all jets may need to be fully open and/or the pump operating at or near maximum flow. Please refer to your whirlpool bath operation manual for further information.**

The heater has been designed and tested to give trouble-free operation over the lifetime of the bathtub. If the system does not operate as described, stop the pump and contact the bathtub manufacturer or supplier.

Do not attempt to service the heater. There are no field replaceable parts.

Any service performed on the whirlpool system must be performed by a qualified service technician in accordance with applicable codes. Before working on electrical equipment, be certain that the power is off at the source.