

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 PUMP 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 pump installation must be done by a licensed electrician in accordance with applicable electrical codes. Make sure power is off from the 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. Do not bury cord. Locate cord to minimize abuse from lawn mowers, hedge trimmers, and other equipment.
6. WARNING - To reduce risk of electric shock, replace damaged cord immediately.
7. WARNING - To reduce risk of electric shock, do not use an extension cord to connect the pump to electric supply; provide a properly located receptacle or junction box.
8. Do not install within an outer enclosure or beneath the skirt of a hot tub or spa unless so marked
9. An access panel, for inspecting the pump is recommended for all installations. Make sure power to pump is off during inspection.
10. CAUTION - This pump is intended for use on Hydromassage Bathtubs only, as described in this manual. Other than for service replacement, this pump is suitable only for factory assembly and installation.

SAVE THESE INSTRUCTIONS

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

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

MODEL #: _____

SERIAL #: _____

INSTALLATION INSTRUCTIONS

PUMP INSTALLATION

1. The pump must be installed on the outside of the tub below the normal water level.
2. The pump should be secured firmly in place with bolts or screws to avoid noise and vibration.
3. The suction line should be installed with a continual rise to the pump (1/4" per foot) to avoid air pockets, and assure good drainage of the pump. All piping must be air tight.
4. The outlet flange of the pump should be below the highest jet opening in the whirlpool system. This will assure good priming of the pump, and prevent the pump from running dry at start-up, which may cause damage to the pump seal.
5. The weight of the piping should be supported independently, not carried by the pump.
6. Tighten the pump fittings at the suction and discharge **HAND TIGHT ONLY!** The pump fitting utilizes an o-ring seal that is all that is required for a leak free joint. **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 pump and fittings and cause failure of the joint.
7. It is recommended that flexible piping be used near the suction and discharge of the pump to reduce transmitting vibrations to the whirlpool system, and allow for ease of removing the pump for service.
8. The pump contains a mechanical rotary seal that may become damaged or worn over time. It is recommended to provide a drip pan and inspection access so that any leakage can be seen and repaired. System leaks must be repaired immediately to prevent harm to personnel and to prevent damage to system or structural components.
9. The pump motor is equipped with an automatic thermal overload protector. Provide adequate ventilation to the pump at installation to avoid nuisance tripping.
10. The pump should be protected from debris, water, weather, dust, and direct sunlight.

PUMP WIRING

1. **Make sure power is off from the source before installation.**
2. The pump 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 pump nameplate—**DO NOT EXCEED NAMEPLATE VOLTAGE.**
4. Install an outlet receptacle or junction box (depending on the power cord configuration supplied on the pump) 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 pump 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 pump.

OPERATING INSTRUCTIONS

As with all bathtubs, do not allow children to use this product unless they are closely supervised by an adult at all times.

- The pump supplied with this tub is not self-priming. In order to avoid damage to the seal in the pump, always fill the water in the bathtub to at least 1" above the highest jet in the system before starting the pump. This will not only assure that the pump will not run in a dry condition, but will also avoid water from the jets spraying out of the bathtub and causing a slipping hazard on the floor.
- After the tub has been filled, activate the pump by pressing the button supplied on the tub. Allow a few moments for the pump to start delivering water from the jets.
- To stop the pump, press the button supplied on the tub again. If the pump includes a timer feature, operation will cease after the preset time. To extend the bathing session, press the button again to restart the timer.

The pump does not require periodic maintenance, or lubrication. It is recommended that the pump and circulating piping be checked periodically for leakage. It is also recommended that the Ground-Fault Circuit Interrupter (GFCI) protecting the pump electrical circuit be tested per the GFCI manufacturers instructions.

This pump is protected by an automatic thermal overload protection device. The motor will automatically shut off due to low voltage, overload, blockage, or other abnormal conditions, before heat damage can occur to the pump. The pump will then restart when a safe operating temperature is reached. Should this occur, the cause of overheating must be determined and resolved for further proper operation.

The pump 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.

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.