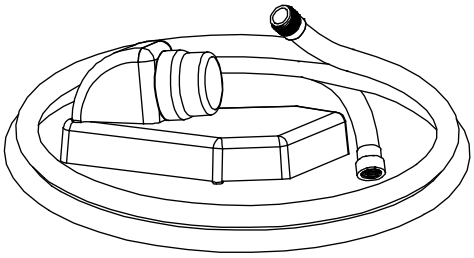
## UTILITY WATER TRANSFER PUMP

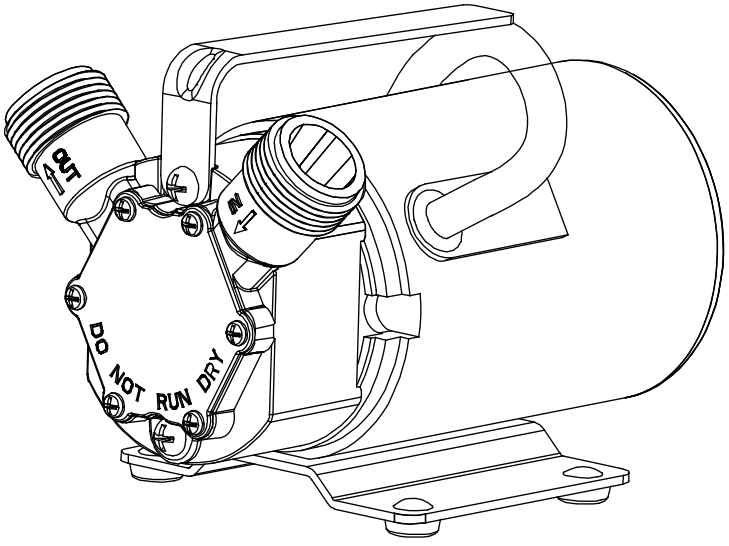
- ✓ MODEL: HPUTP390
  1/6 HP, 390 GPH/1,476 LPH
- ✓ MODEL: HPUTB370
  1/6 HP, 370GPH/1,400LPH

# OWNER'S MANUAL

**Hidropoint, LLC.**
9623 W. Hunt Club Dr.
Mequon, WI 53097
**Phone:** (262)299-5188
**E-Mail:** services@hidropoint.com
**Web:** http://www.hidropoint.com

**OFFICE HOURS:**
Monday – Friday: 9:00 AM – 6:00 PM (EST)






HPUTP390
HPUTB370

If the pump is damaged or missing parts, or if you have questions as to the installation, operation or maintenance, please e-mail us at: services@hidropoint.com or call us at (262)299-5188, Monday – Friday, 9:00 a.m. – 6:00 p.m., EST.

## PREINSTALLATION CHECK

Inspect this pump before it is used. Occasionally, pumps can be damaged during shipping. If the pump or components are missing, deformed, or cracked, e-mail: services@hidropoint.com or call us at: (262)299-5188, Monday – Friday between 9:00 a.m. – 6:00 p.m., EST. ATTEMPTING TO USE A DAMAGED PUMP can result in personal injury or death!

## DESCRIPTION

Hidropoint self-priming water transfer pump is a patented design for general, commercial, and industrial water transfer applications. It is designed for water, but is not submersible. Typical applications include removing water from flooded areas, pool covers, clogged drains, waterbeds, water basins, boats, stock tanks, etc., or filling tanks or waterbeds. It is self-priming to 9 ft. if the impeller is initially wetted (primed). The maximum head is up to 65ft. The motor is non-submersible with overload protection. The motor is air-cooled. Do not use the unit in enclosed areas.

*Do not pump flammable or explosive liquids such as oil, gasoline, kerosene, ethanol, etc. Do not use in the presence of flammable or explosive vapors. Using this pump with or near flammable liquids can cause explosion or fire, resulting in serious personal injury and/or property damage.*

## SPECIFICATIONS

- Power supply required..... 115V, 60 HZ
- Water temperature range..... Max.77°F (25°C)
- Individual branch circuit required ..... 5 Amp minimum
- Discharge Connection..... 3/4” garden hose thread
- Motor duty…….. Continuous
- Power cord……. SJTW, 18AWG/3C, 6ft

## CONSTRUCTION

- Pump housing……... Reinforced thermoplastic
- Pump body……. Brass
- Impeller……..…… BUNA
- Motor…….. Air cooling motor

## PERFORMANCE

**Table 1**

| Model | HP | GPH of Water @ Total Feet (Meters) of Lift | | | | | Max. Lift |
|---|---|---|---|---|---|---|---|
| | | 5ft. (1.5m) | 10ft. (3 m) | 20ft.(4.6 m) | 30 ft. (6.1 m) | 40ft (9.15m) | 55 ft. (11m) |
| **HPUTP390** | 1/6 | 370 | 330 | 250 | 180 | 110 | 0 |
| **HPUT370** | 1/6 | 350 | 320 | 250 | 180 | 110 | 0 |

## GENERAL SAFETY INFORMATION

Please carefully read the manual and follow the instructions regarding common pump problems and remedies.
The following are the general safety requirements. Failure to follow them could cause serious personal injury and/or property damage.

- *Do not touch an operating motor housing. The motor is designed to operate at high temperatures.*
- *Do not disassemble the motor housing. The motor has NO repairable internal parts, and disassembling it may cause dangerous electrical wiring issues.*

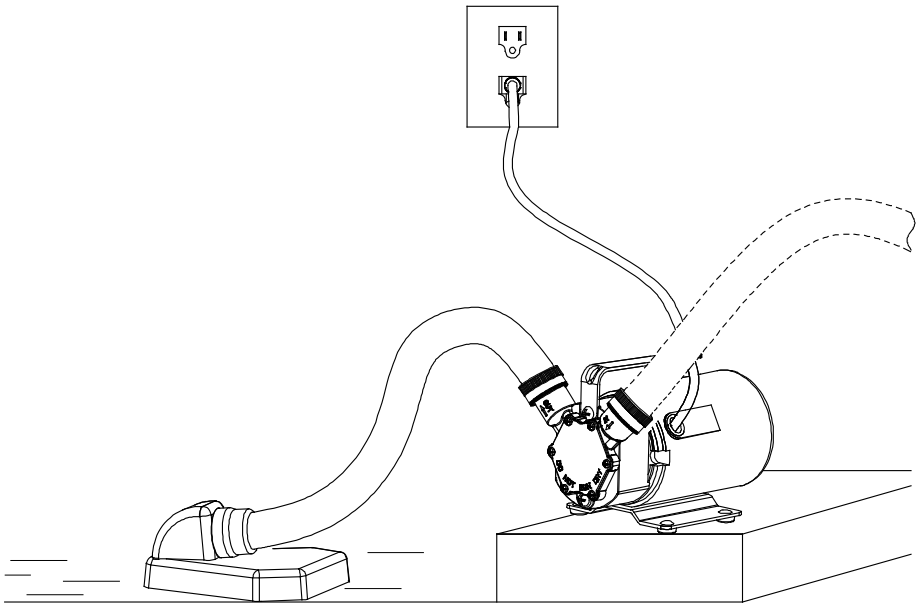
**Additional Safety Precautions**

1. Know the pump applications, limitations, and potential hazards.
2. Make certain the electrical power source is adequate for the requirements of the pump.
3. ALWAYS disconnect the power to the pump before servicing.
4. Release all pressure within system before servicing any component.
5. Drain all water from system before servicing.
6. Secure discharge line before starting pump. An unsecured discharge line will whip, possibly causing personal injury and/or property damage.
7. Check hoses for weakness, kinks, or wearing before each use, making certain that all connections are secure.
8. Check the gasket in the inlet fitting to make sure it is airtight. If the inlet hose connector air-leaks, the pump will not prime. An air leak can cause the pump to run dry. and the impeller could be ruined in 30 seconds.
9. Connect the pump DIRECTLY to a grounded, GFCI outlet.
10. Do not submerge the pump or motor in water.
11. Do not run dry.
12. Make certain the electrical circuit to the pump is protected by a 5 Amp or larger fuse or circuit breaker.
13. Periodically inspect the pump and system components to be sure the pump inlets are free of mud, sand, and debris. DISCONNECT THE PUMP FROM THE POWER SUPPLY BEFORE INSPECTING.
14. Do not handle pump or pump motor with wet hands or when standing on wet or damp surface, or in water.
15. Wear safety glasses at all times when working with pumps.
16. Follow all electrical and safety codes, particularly the National Electrical Code (NEC) and in the workplace, the Occupational Safety and Health Act (OSHA). This unit is designed only for use on 115 volts (single phase), 60 Hz, and is equipped with an approved 3-conductor cord and 3-prong grounded plug. DO NOT REMOVE THE GROUND PIN UNDER ANY CIRCUMSTANCES. The 3-prong plug must be directly inserted into a properly installed and grounded 3-prong, grounding-type receptacle. **Do not use this pump with a** 2-prong wall outlet. Replace the 2-prong outlet with a properly grounded 3-prong receptacle (**a GFCI outlet**) installed in accordance with the National Electrical Code and local codes and ordinances. All wiring should be performed by a qualified electrician. If necessary, use a 3-wire, grounded extension cord to connect the pump motor to the grounded outlet. Use a size 16 AWG cord up to 25 feet; do not use a cord more than 25 feet long. Keep the pump, cord, and outlet dry at all times.
17. Protect the electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord. **Do not use damaged or worn cords.**

## INSTALLATION

1. Pump should be placed as close to source of liquid and power as possible, not more than 7' above liquid source and not more than 25' from power source.
2. Add water to both the inlet and the outlet of the pump to wet the impeller. Do not run pump dry. Impeller and mechanical seal damage will result.
3. Use reinforced plastic or fabric tubing or metal pipe for the suction side of the pump. This will prevent collapse of the suction piping. Inlet tubing should not be more than 7’ long.
4. Attach suction line piping to the suction inlet and discharge line piping to the discharge outlet.

5. If the unit is used to pump water from creek, pond, or water source where solids could be sucked into the pump, a strainer should be installed at the inlet of the suction hose. Make sure the gasket seal is in the fitting and tighten the fitting to the strainer. Avoid using looped sections of pipe that might permit air to become entrapped.
6. Piping should be checked for any leaks at the connections. Small leaks in suction line greatly reduce efficiency of pump and may prevent priming. Pump should be permanently mounted; never operate a pump unless it is secured to a solid foundation.
7. Protect pump from extreme heat, cold, or humidity. This unit is not waterproof and is not intended to be used in showers, saunas, or other potentially wet locations.
8. The motor is designed to be used in a clean, dry location with access to an adequate supply of cooling air. Ambient temperature around the motor should not exceed 104°F (40°C). For outdoor installations, motor must be protected by a cover that does not block airflow to and around the motor.



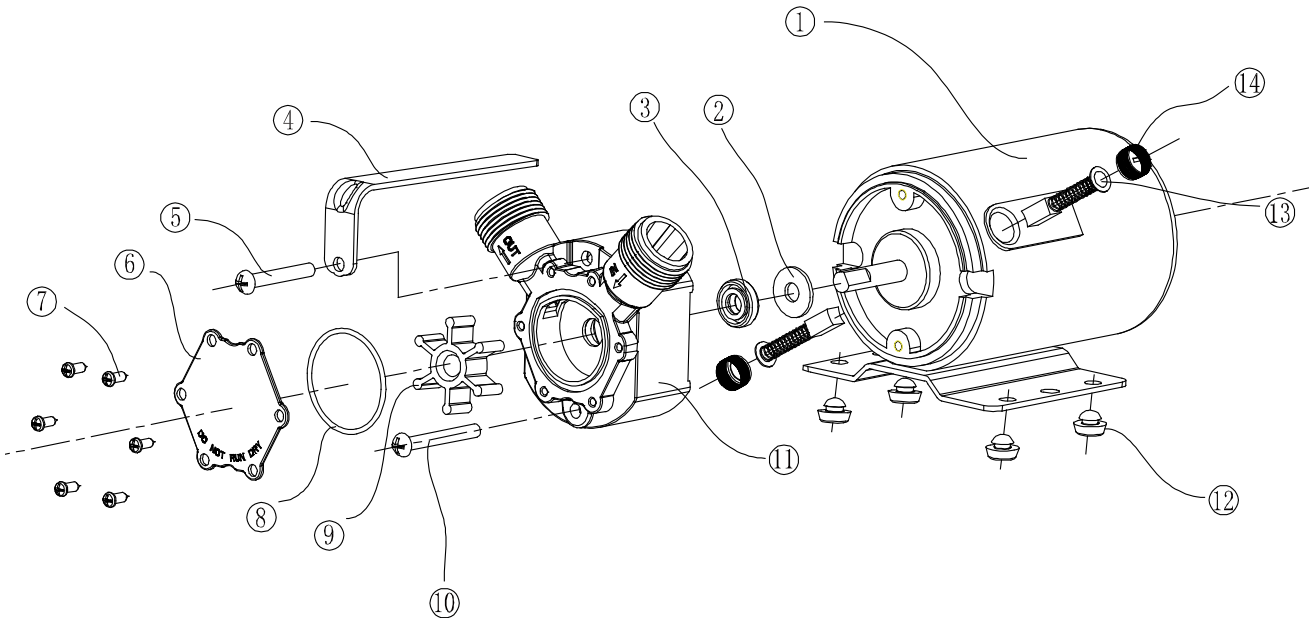
***NOTICE:*** *This unit is not weatherproof, nor is it able to be submersed in water or any other liquid. Do not use in or near swimming pool or spa.*

## OPERATION

*Do not handle this pump or plug in or unplug this pump with wet hands. Remember, the pump should be connected only to a properly grounded, GFCI outlet.*

1. This unit is a self-priming pump. It should prime itself within 20 seconds after power cord plug is plugged into a GFCI (Ground Fault Circuit Interrupter) outlet if the impeller is wetted. An easy way to wet the impeller is to fill both the inlet and the outlet of the pump with pumped liquid before installation of the hoses or fill the inlet hose with pumped liquid.
2. Be sure hose strainer or piping connections are tight and the end of the inlet hose or strainer is in the water. The end of the outlet hose stays out of the water. Any leakage in suction side will prevent pump from priming.
3. The pump can be turned on and off by plugging and unplugging cord into a 115V outlet. After the power cord is plugged into the power source for 5 to 10 seconds, water should flow in the inlet hose. If waster is not pumped in 25 seconds or less, unplug the power cord and check for an inlet hose air leak. Then add pumped liquid to the inlet hose and repeat the process.

**4.** Once the liquid is pumped out, unplug the power cord immediately. DO NOT RUN DRY.




## MAINTENANCE

If pump will not be used for two months or longer, disconnect inlet and outlet hoses, unscrew these 6 screws (7), remove body cover (6), take impeller (9) out, check for excessive wear or damage, clean inside body (11), apply a generous coating of petroleum jelly, Vaseline, or grease to both inside body (6) and impeller (7), put the impeller (7) back into the pump body (6), make sure the O-ring (8) is in the O-ring groove, and reassemble the pump. If the impeller (9) has become worn or damaged, replace the impeller with a new one.

Brushes for this pump can last for 150 to 200 hours at continuous duty. Check the brushes after 150 hours operation. If the brushes are worn, replace the worn brushes. Unscrew the brush caps (14) with a screwdriver. Remove the worn brush assemblies (13) and insert new brushes assemblies. Refasten the brush caps.

## TROUBLESHOOTING

*Do not disassemble the motor housing. The motor has NO repairable internal parts, and disassembly may cause water leaks or dangerous electrical wiring conditions.*

**Table 2 Troubleshooting Common Pump Problems**

| Problem | Possible Cause | Corrective Action |
|---|---|---|
| Pump does not start or run | 1. Blown fuse<br>2. Tripped breaker<br>3. Plug disconnected<br>4. Corroded plug<br>5. Worn brush<br>6. Motor overheated | 1. Replace fuse<br>2. Reset breaker<br>3. Secure plug<br>4. Clean plug prongs<br>5. Replace brush<br>6. Unplug the power and wait for 30 min. then plug in the power cord |

| | | |
|---|---|---|
| Pump doesn't prime | 1. Air leak in suction line<br>2. Impeller clogged<br>3. Impeller worn or damaged<br>4. Impeller dry | 1. Repair suction line by replacing gasket and tightening hose connection<br>2. Remove blockage<br>3. Replace impeller<br>4. Add liquid to the pump inlet |
| Flow rate is too low | 1. Hose kinked or coiled<br>2. Strainer or hose blocked<br>3. Hose too long<br>4. Worn impeller | 1. Straighten hose<br>2. Clean strainer or hose<br>3. Shorten the hose<br>4. Replace the impeller |

## WARRANTY

Hidropoint warrants, to the original purchaser and subsequent owner during the warranty period, every new product to be free from defects in material and workmanship under normal use and service, when properly used and maintained, for a period of 90 days from date of purchase by the end user. Your original receipt of purchase is required to determine warranty eligibility.

Purchaser must pay all labor and shipping charges necessary to replace product covered by this warranty. This warranty does not apply to products which have been damaged as a result of flood, negligence, abuse, accident, misapplication, tampering, alteration; or due to improper installation, operation, maintenance or storage; or to other than normal application, use or service, including but not limited to, operational failures caused by corrosion, rust, or other foreign materials including but not limited to the following: sand, gravel, cement, mud, tar, hydrocarbons, hydrocarbon derivatives (oil, gasoline, solvents, etc.), or other abrasive or corrosive substances, wash towels or feminine sanitary products, etc. in all pumping applications.

**Hidropoint shall not be liable for any consequential, incidental, or contingent damages whatsoever.**
**The foregoing warranties are exclusive and in lieu of all other express warranties. Implied warranties, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, shall not extend beyond the duration of the applicable express warranties provided herein.**

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Contact our Customer Service Department to obtain any needed repair or re placement of part(s) or additional information pertaining to our warranty. Please call at 262-299-5188 or e-mail at services@hidropoint.com for return authorization and instruction. **You must retain your purchase receipt. For warranty claims, you must send the copy of the purchase receipt along with the material or correspondence.**

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