



Part #: 402454

USN #: 334021009

1/10 HP

NON-SUBMERSIBLE TRANSFER PUMP



Exclusively Distributed By:
HD Supply
3400 Cumberland Blvd. SE
Atlanta, GA 30339

HD Supply is here to help.
Online Chat: hdsupplysolutions.com
Email: customer care@hdsupply.com
Call: 1-800-431-3000

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SAFETY INSTRUCTIONS

Please read and understand this entire manual before attempting to assemble, operate or install the product. If you have any questions regarding the product, please call customer service at 1-800-431-3000. Failure to comply with instructions and designed operation of this system may void warranty. **ATTEMPTING TO USE A DAMAGED PUMP** can result in personal injury or death!

1. This pump is not submersible! Do not get the motor wet.
2. Always make sure the pump is unplugged as soon as the water level reaches 1/8 in. At water levels less than 1/8 in., the pump is attempting to pump air, which will cause the impeller to overheat and quickly wear out. Running the pump without sufficient water will damage the pump and void the pump's warranty. **WARNING: DO NOT RUN THE PUMP DRY.**
3. When the pump is running dry, the noise will be LOUD. This is a sign to unplug the pump.
4. Always use the suction strainer included to prevent debris from damaging the pump. Periodically clean up the strainer.
5. Do not pump flammable or explosive liquids such as oil, gasoline, kerosene, ethanol, etc.
6. Do not use in the presence of flammable or explosive vapors. Using this pump with or near flammable liquids can cause an explosion or fire, resulting in property damage, serious personal injury and/or death. Always disconnect the pump from its power source before inspection.
7. Do not stand in water when the pump is connected. Do not handle pump with wet hands.
8. Do not touch the pump housing while it is operating, as the pump may be HOT and can cause serious skin burns.
9. For safety, the pump motor has an automatically resetting thermal protector that automatically will turn off the pump if it becomes too hot. Overuse of this feature will damage the pump and void the warranty.
10. Once the thermal protector detects that the pump has cooled to a safe temperature, it will allow the pump to operate normally. You must unplug the pump to cool down the motor and re-plug in the pump to operate again.

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 and drain all water from the system before servicing.
4. Secure the pump on a solid base to prevent the pump from tipping over and possibly falling into the water.
5. Secure the discharge hose before starting the pump. Hydraulic force in the discharge hose may cause an unsecured discharge hose to "whip", possibly causing personal injury and/or property damage.
6. Before using the pump, check the hose for holes or excess wear, which could cause leaks, and be sure hose is not kinked or making sharp angles. A straight hose allows the pump to move the greatest amount of water quickly.
7. Check that all hoses connections are tight to minimize leaks. Ensure all hose washers are in place.
8. Connect the pump DIRECTLY to a grounded, GFCI outlet.

9. Make certain the electrical circuit to the pump is protected by a 5-amp minimum (15-amp maximum) fuse or circuit breaker.
10. Periodically inspect pump and strainer to be sure the pump and the strainer are free of mud, sand, and debris. **DISCONNECT PUMP FROM THE POWER SUPPLY BEFORE INSPECTING.**
11. Wear safety goggles at all times when working with pumps.
12. Follow all electrical and safety codes, particularly the Canadian Electrical Code, and local codes and ordinances.
13. 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 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 Canadian Electrical Code, and local codes and ordinances. All wiring should be performed by a qualified electrician.
14. Protect the electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord. **Do not use damaged or worn cords.**

DESCRIPTION

Application includes removing water from flooded basements, waterbeds, washing machines, blocked sinks, water heaters and tanks.

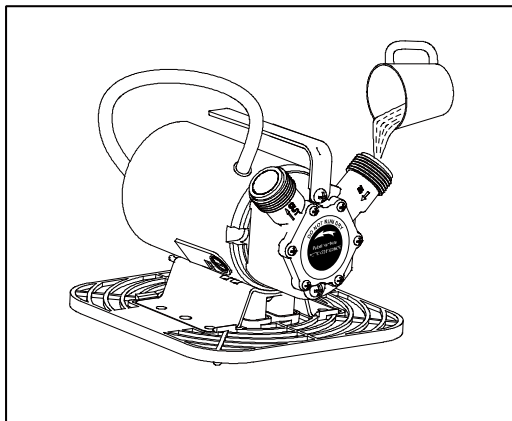
INSTALLATION

Materials Required for Assembly (not included): Garden Hose (50 ft max. length)

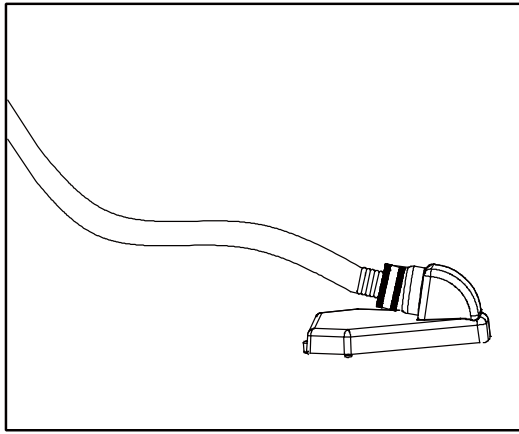
WARNING: Always use the handle to lift the pump. Never use the power cord to lift the pump. To avoid skin burns, unplug the pump and allow time for it to cool after periods of extended use.

Before beginning assembly of product, make sure all parts are present. If any part is missing or damaged, do not attempt to assemble the product. Contact customer service for replacement parts. Never operate this pump unless it is secured to a solid foundation.

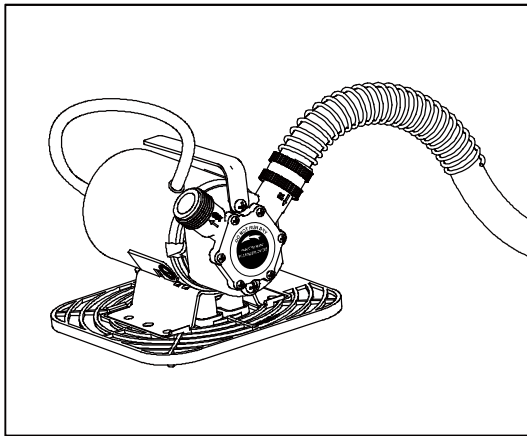
- Do not suspend the pump by the discharge hose or power cord.
- Keep the pump suction strainer clear.
- Do not install pump directly on sand or dirt.



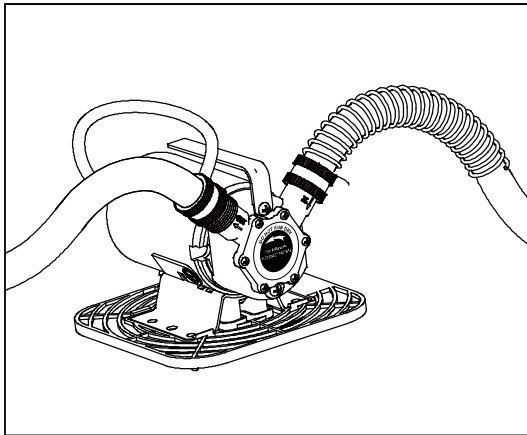
1. Fill water into inlet and outlet of the pump to wet the impeller.



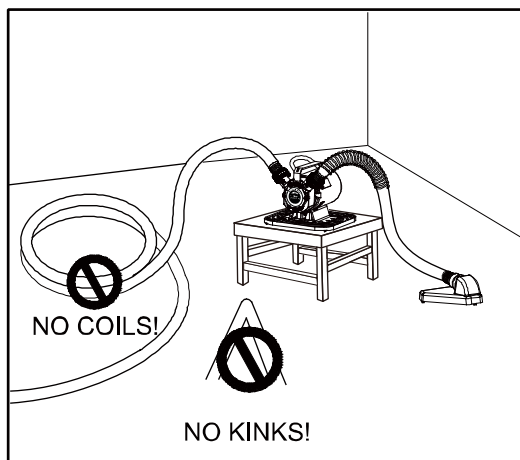
2. Attach suction hose by pushing the male threaded end into the rubber suction strainer, then place the strainer in at least 1/2 in. of water at the lowest point to be pumped.
NOTICE: Make sure the connection is airtight. An air leak can cause the pump to run dry.



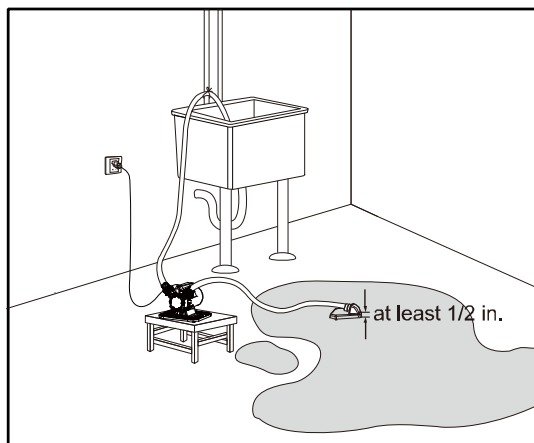
3. Thread the other end of the suction hose onto the suction inlet of the pump
NOTICE: Always ensure the rubber gasket in the hose connector is in good condition. **Make sure the suction strainer is in the water before plugging in the pump.**



4. Thread a 1/2in. or larger garden hose (sold separately, 50 ft max. length) onto the discharge outlet of the pump.



5. Secure the pump solidly on a stable platform (table, board, etc.) to prevent it from tipping over. Make sure the hoses are as straight as possible.
WARNING: This pump CANNOT be submersed in water, and the motor CANNOT get wet at all.
NOTICE: Do not coil or kink the hose.



6. To operate, plug the cord into a 3-wire, 115V, 60Hz, grounded GFCI outlet.

NOTICE: This pump can be loud when plugged in. THIS IS NORMAL. Once water begins to pump, the noise will lessen. When the water level has been reduced to approximately 1/8 in., you **MUST UNPLUG THE PUMP**. DO NOT RUN DRY. The pump will be LOUD when the pump is no longer pumping water.

NOTICE: If water is not pumped in 30 seconds, unplug the power cord and check the connection on the two ends of the inlet hose to make sure there are no air leaks.

To quickly find out where leaks, you can disconnect the hose from the strainer and fill water in the suction hose, then connect with the strainer, put the strainer in water and start the pump to see the pump is priming.

7. This unit has a patented design to avoid run dry. If the pump doesn't prime over 30 seconds, or pumps out of water and run dry over 30 seconds, the pump body will get hot. The run dry protection system will turn off the pump automatically.

CAPACITY

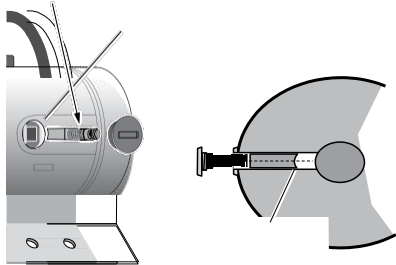
Part #	HP	GPH of Water @ Total Feet (Meters) of Lift					Maximum Lift
		0 ft.	10 ft.	20 ft.	30ft.	40ft.	42ft.
402454	1/10	360	318	264	198	132	0

FEATURES

- Patented design, flexible impeller, water transfer utility pump.
- Angled inlet and outlet design keeps water lubricating the impeller and significantly increases impeller life.
- Patented run-dry protector can automatically turn off the pump when the pump body gets hot caused by the pump runs dry.
- Clear see-through suction hose allows easy monitoring of pump priming to avoid run dry.
- Patented run dry protector significantly increases impeller life and prevents pump body overheated.
- Patented impeller material composition.
- Self-priming up to 9 feet (initially wetted impeller)
- Water transfer up to 360 gallons per hour, maximum lift up to 42 feet
- Removes water down to 1/8" with suction strainer
- 3/4" garden hose thread connection for easy installation
- Kit includes: 6 feet suction hose, suction strainer, replacement impellers and brushes

TROUBLESHOOTING GUIDE CHECKLIST

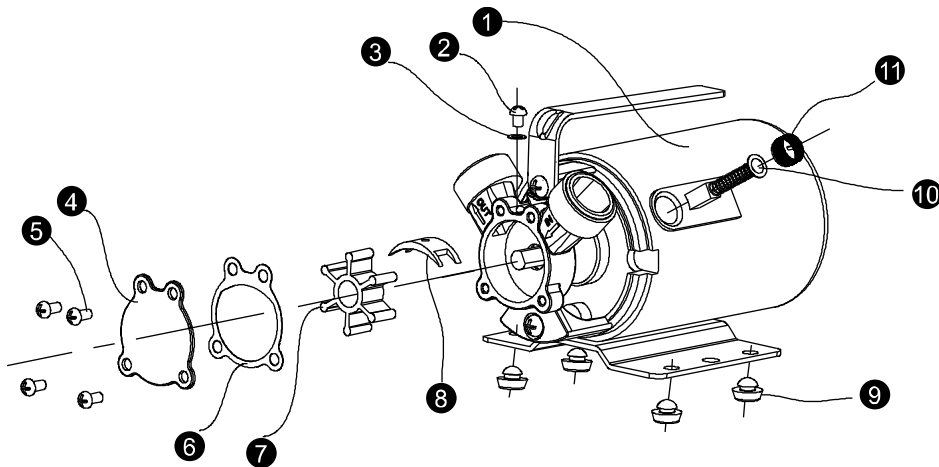
If the pump is not running properly, remove the impeller cover screws (#5), remove the impeller cover (#4), and inspect the gasket (#6) and impeller (#7). If the impeller wears out, replace the impeller. The brushes could run 200 hours. If the brushes have been worn off, replace the brush as the picture shown.



Brush must enter square hole. ➔ Match brush curve to armature curve

If there are any damages to these parts, please contact the pump experts at 1-800-431-3000.

Do not disassemble the motor housing. This motor has NO repairable internal parts, and disassembly may cause dangerous electrical wiring issues. DO NOT lift up the pump by power cord



Item number	Description	Qty
1	Motor	1
2	Screw	1
3	Washer	1
4	Impeller cover	1
5	Screw	4
6	Gasket	1

Item number	Description	Qty
7	Impeller	1
8	Pump insert	1
9	Rubber feet	4
10	Brush	2
11	Cap	2

Problem	Possible Cause	Corrective Action
Pump does not start or run	<ol style="list-style-type: none"> 1. Blown fuse 2. Tripped breaker 3. Plug disconnected 4. Corroded plug 5. Worn brushes 6. Motor overheated 	<ol style="list-style-type: none"> 1. Replace fuse 2. Reset breaker 3. Secure plug 4. Clean plug prongs 5. Replace brushes 6. Unplug the power and wait for 30 minutes, then plug in the power cord
Pump doesn't prime	<ol style="list-style-type: none"> 1. Air leak in suction line 2. strainer blocked 3. Impeller worn or damaged 4. Impeller dry 	<ol style="list-style-type: none"> 1. Repair suction line by tightening hose connection or replacing hose washer if necessary 2. Remove blockage from the strainer 3. Replace impeller 4. Add water to the pump inlet
Flow rate is too low	<ol style="list-style-type: none"> 1. Hose kinked or coiled 2. Strainer or hose blocked 3. Discharge hose too long 4. Worn impeller 	<ol style="list-style-type: none"> 1. Straighten hose 2. Clean strainer or hose 3. Shorten the hose (50 ft. max) 4. Replace the impeller

WARNING:

This product can expose you to chemicals including Lead and Di (2-ethylhexyl)phthalate (DEHP), which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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