

IMPORTANT NOTE! Please read carefully before attempting to assemble, install, operate or maintain the HydraPump™ Utility. Protect yourself and others by observing all the safety information. Failure to comply with instructions could result in personal injury and or property damage! Please keep these instructions for future reference.



Continuous Operation Transfer Pumps

Overview

The HydraPump™ Utility pump is designed to quickly and simply transfer water from one point to another. The HydraPump™ Utility is a 120V AC transfer pump packaged in a lightweight impact resistant plastic case.

The pump is meant to be used with clear water and can be continuously run for several uses. This pump is well suited for providing additional water pressure or for pulling water from small ponds. Additionally, the pumps continuous running ability allows for large water transfer. Common applications include moving large amount of water from one place to another, lawn sprinkler boost, pressure boost, and many others.

Note: Always be cautious when using pumps around water and remember that these pumps are not submersible.

Arrival and Inspection

Once you receive the pump be sure to examine it before use. Your box should include:

- 1pc. HydraPump™ Utility
- 2pcs. 1" NPT to 3/4" GHT adapters
- 1pc. GHT threaded foot valve
- 1pc. Manual

There are circumstances where the pump or its parts can become damaged during shipping. If this has happened, return the unit to the place of purchase for a replacement. Failure to do so could result in serious injury or death.

Read & Follow the Instructions
Keep this guide for future reference

Safety Information

This manual contains information that is very important to read and understand. Information provided is for safety and to prevent equipment problems. The following symbols are used to help identify safety issues and their potential impact.

NOTICE This indicates that there is important information so that pump can operate without damage

WARNING This indicates a potentially hazardous situation, which MAY result in moderate injury.

DANGER This indicates a hazardous situation that could result in serious injury or death.

General Safety

DANGER This product or its power cord may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

DANGER Never pump gasoline or other explosive liquids. Do not operate the pump where flammable or

explosive fumes or gases are present. This pump should only be used to pump clear water. This pump has only be evaluated to operate with water. Do not run the pump dry.

Make sure the pump is cool and the power is disconnected before handling to avoid burns.



WARNING

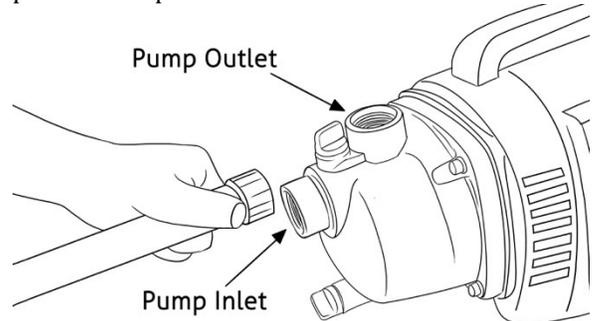
Always remove the power source before attempting to install or service the pump. Water and electricity are dangerous so exercise caution when using the pump or fatal electric shock could occur.

1. A 120V AC power source is required for the HydraPump™ Utility to operate. It must be a ground fault circuit interrupter (GFCI) device connection.
2. Before installing this pump, have the electrical circuit breaker checked by an electrician to ensure proper grounding. The pump must be installed in compliance with all local and national codes.
3. There is an on/off switch. Make sure that the switch is in the off position.
4. Check that the water source and piping are clear of dirt, scale, and sand. Debris will clog the pump. The pump is meant for clean/clear water.
5. The pump and its piping cannot operate below freezing. Serious damage may result.
6. Do not run the pump dry.

Installation

1. Place the pump as close as possible to the water source in a safe position. In doing so, keep the inlet height from the water as short as possible. Also, be sure to place the pump on a platform to protect it from flooding and excessive moisture. The pump is not designed to be submerged or receive excessive moisture.
2. Using the shortest connections possible, attach the outlet port piping. For the best performance, *outlet* port is a standard 1" NPT female connector that should be connected to directly. Optionally, an included 1" NPT to 3/4" GHT can be attached to the outlet if desired. When piping, it is advised to use plumber's tape for a better connection.
3. Again, using the shortest connections possible, attach the *inlet* port piping. For the best performance, the inlet port is a standard 1"

NPT female connector that should be connected to directly. Optionally, an included 1" NPT to 3/4" GHT can be attached to the inlet if desired. When piping it is advised to use plumber's tape for a better connection.



4. Be sure that the water being pumped is clear of debris. Then, plug in the pump.
5. If there is an issue maintaining prime, the foot valve with a strainer should can be used to improve priming performance.
6. The pump has an automatic over-temperature shut off which may shut off the pump in cases of overheating, jammed impeller, extended operation in extreme conditions, etc. If this occurs, switch off, unplug the pump and let it cool so that it will automatically reset.

Operation

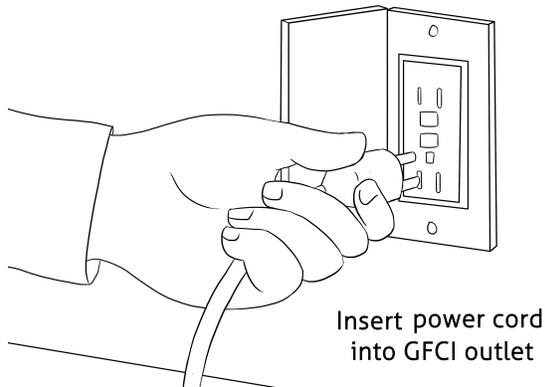


WARNING

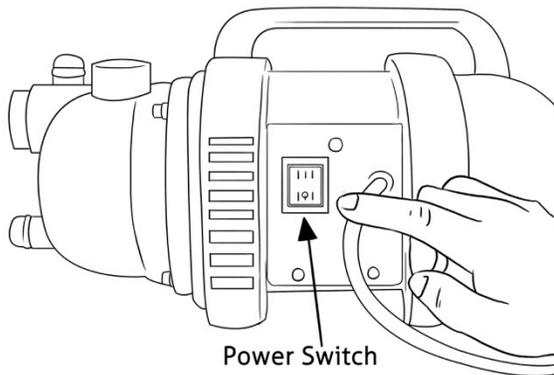
Do not run the pump dry for extended periods.

Running the pump without water can cause failure.

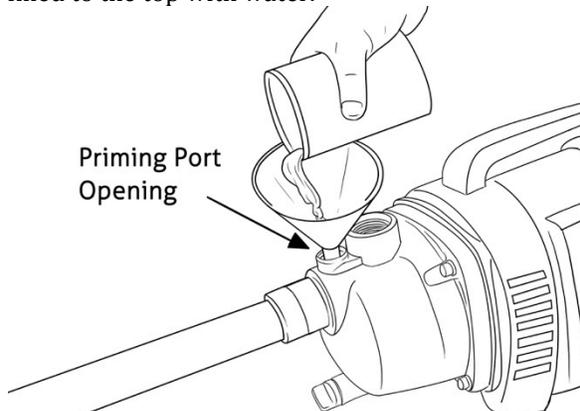
1. Plug pump into 3 pronged GFCI outlet.



2. Turn on with the switch.



3. The pump priming port of the pump should be filled to the top with water.



4. Once filled replace the priming cap. The pump can now be switched on. Once on, water should begin to flow 30 seconds or less.
5. If there are issues with the pump please see the trouble shooting section for suggestions.
6. Once pumping has completed switch off the pump and disconnect the power cord.

Draining for Storage

After pumping is complete, disconnect the piping from the pump. The pump may become hot during operation. Be careful when working near or touching the pump. Empty and remove both the inlet and outlet hoses. Wipe the pump clean and store in a clean and dry place for next use.

CAUTION: Water and electricity do not mix. Make sure to continuously check that the power connections and cables are not in contact with water. Consult an electrician if you have any questions or concern about the electrical circuit or pump operations.

Maintenance



DANGER

Always disconnect power source before attempting to install, service, or maintain the pump.

For additional information please go to our website: www.hydrabarrier.com and check the documentation section for the most up to date information.

Trouble Shooting

Problem	Possible Causes	Possible Solutions
Pump will not start	No power or cord not connected	Check outlet power or plug in pump
Pump is on but no water is flowing	Pump not priming	Fill pump chamber as full as possible with water and retry
	Inlet hose is too long	Shorten the inlet hose
	Hoses kinked	Straighten out the hoses
	Inlet is blocked	Clean inlet
Pump stops without warning	No water to pump	Check inlet water supply
	Pump has overheated and thermal overload has tripped	Switch off then unplug and let the pump cool
	Hoses have become kinked	Straighten out hoses
Pump leaks	Piping issue	Check connections and use plumbers tape to assist with connections

Specifications

These are the technical specifications for the HydraPump™ Utility

- 1 HP, 9.1A @ 120V AC motor with thermal protection
- Case made of impact resistant plastic type PP-GF20
- Max Flow: 1000 GPH
- Max head: 120 ft., (52 PSI)
- Max Suction is 26 ft.

For Replacement Part or Technical Assistance

Provide the following information: Model, Serial Number, and a brief description of the problem.

Watershed Innovations

Email: info@hydrabarrier.com

Phone: 1 (888) 876-4068 9AM to 5PM (M-F) Pacific

Limited Liability Warranty

For warranty information please go to: <https://hydrabarrier.com/pages/warranty>