

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. 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.



Mini Self-Priming Transfer Pumps

Description

The HydraPump Mini DC of transfer pump is designed to quickly and simply transfer water from one point to another. This pump is great of typical home usage. Common applications are removing water from the pool covers, clogged drains, tanks, water basins, boats, and many others. The HydraPump Mini DC is a 12V DC transfer pump is an even more portable pump when normal AC power is not readily available. 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. There are circumstances where the pump or its parts can become damaged. 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 guidelines

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.

CAUTION

This indicates danger which, if not avoided, WILL result in serious injury or death.

NOTICE

serious injury or death.

This indicates a hazardous situation that could result in

WARNING

result in moderate injury.

This indicates a potentially hazardous situation, which MAY

DANGER

can operate without damage

This indicates that important information so that equipment

General Safety

DANGER

chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling

This product or its power cord may contain

DANGER

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.

Never pump gasoline or other explosive liquids.

WARNING

since it may become hot during operation. Make sure the pump is cool and the power is disconnected before handling.

There is a risk of burns when using the pump

Installation

The HydraPump Mini DC will have the following items in the box:

The HydraPump, Plastic inlet attachment, 6 foot inlet hose, and impeller replacement kit. The water suction attachment is not required for operation.

⚠ 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.*

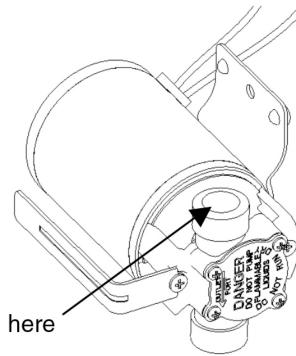
1. A 12V DC power source is required for the HydraPump Mini DC to operate. For example, this could be a car battery

⚠ DANGER *Important Information! Be careful when working in and around batteries since they may contain harmful chemicals. They also can cause severe burns if short-circuited. Follow the guidelines of the battery manufacturer when working in and around batteries.*

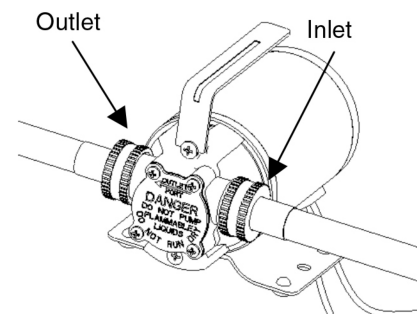
2. HydraPump Mini DC operates at 12V DC only. The HydraPump Mini DC has color-coded battery clamps for 12 operation and requires 14 amps at 12V DC.
3. The suction strainer can be used to remove debris from the pump and extend the life of the pump.
4. For the outlet port, a standard garden hose can be used.
5. For the in port, the hose should be less than 15 feet and below a vertical height of 10 feet. The maximum discharge height is 30 feet.
6. The pump has an automatic shut off which may shut off the pump in cases of overheating, jammed impeller, extended operation in extreme conditions, etc. If this occurs, unplug the pump and let it cool so that it will automatically reset.
7. During prolonged continuous operation please take caution since the pump may overheat.

Operation

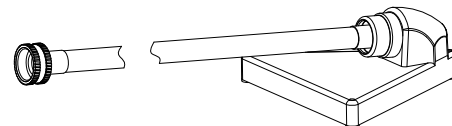
1. While not required, it is recommended that 1 teaspoon of vegetable oil be added to the inlet of the pump to assist with priming. Securely attach inlet and outlet hoses to the pump:



- a. The outlet is labeled on the front of the pump and a hose should be connected.
- b. There is a provided short inlet hose included with the pump and can be used.

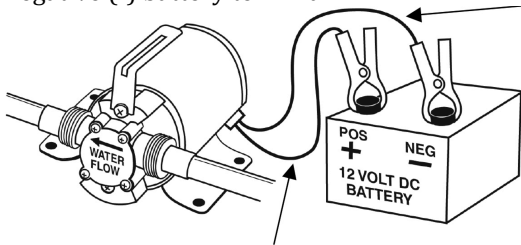


- c. There is also a provided suction attachment. This is only required to stop debris from being sucked up into the pump and not necessary for clean water.



2. Verify that the pump is placed in a safe area and will not be submerged or externally come in contact with a water source. Also make sure that nothing is touching the pump since it may become hot during operation.
3. Check that the inlet hose and suction attachment (if required) are connected and are being fed by a water source that is to be pumped.
4. Make sure the end of the outlet hose securely attached and that there are no kinks in the hose.

5. Connect the red clamp on the (+) battery terminal. Next connect the black clamp to the negative (-) battery terminal.



Red color wire to
positive (+) battery terminal

6. The pump is self-priming and water should begin to flow 30 seconds or less.
 - a. If water does not flow unplug the pump and check the connections and setup.
 - b. Operating the pump without water for an extended period may damage the pump and cause it to fail. Disconnect power as soon as pumping is finished.
7. Once pumping has completed, disconnect 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



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

For impeller replacement or brush replacement please go the HydraBarrier Website: www.hydrabarrier.com and check the documentation section. There you will find videos that demonstrate how to replace these items. As well, the most recent version of documentation will be located here as well.

Problem	Possible Causes	Possible Solutions
Pump will not start	1. No power or cord not connected	1. Check outlet power or plug in pump
Pump is on but no water is flowing	1. Impeller is dry 2. Inlet hose is too long 3. Hoses kinked 4. Pump connected incorrectly	1. Oil pump through inlet 2. Shorten the inlet hose 3. Straighten out the hoses 4. Make sure inlet and outlet hoses are correct
Pump stops without warning	1. No water to pump 2. Pump has overheated and thermal overload has tripped 3. Hoses have become kinked	1. Check inlet water supply 2. Unplug and let the pump cool 3. Straighten out hoses
Pump leaks	1. Hose O-rings missing	1. Remove inlet and outlet hoses and reinstall

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

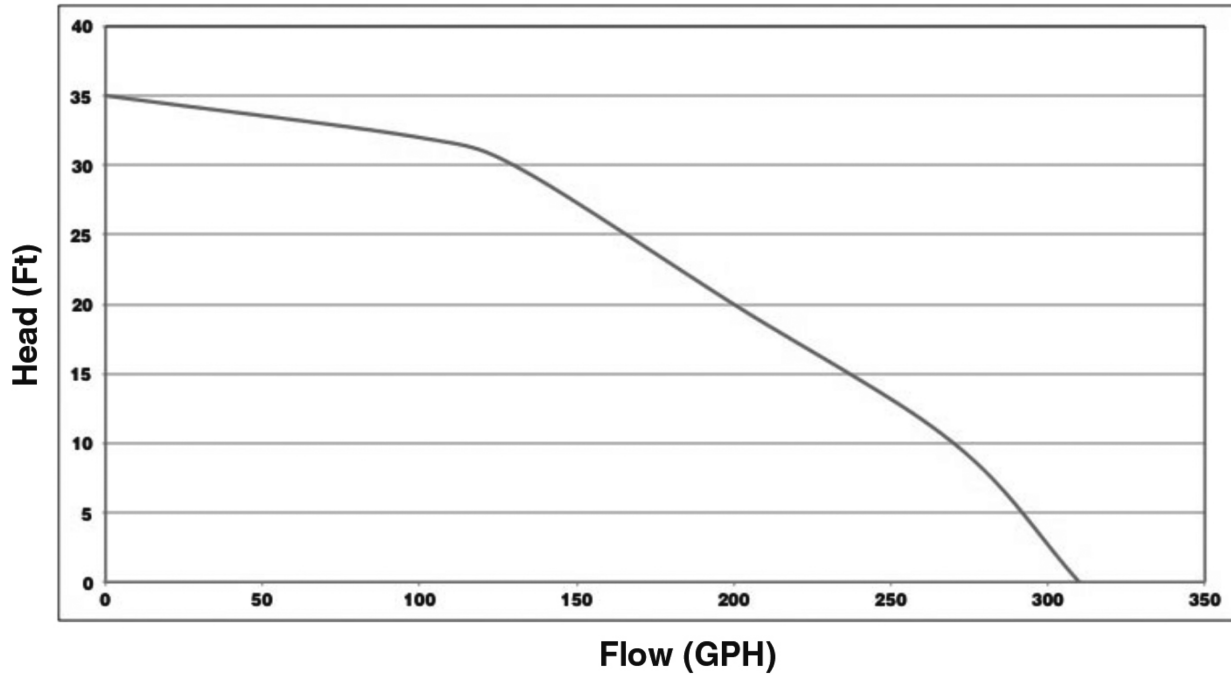
Limited Liability Warranty

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

Specifications

These are the technical specifications for the HydraPump Mini DC Pump

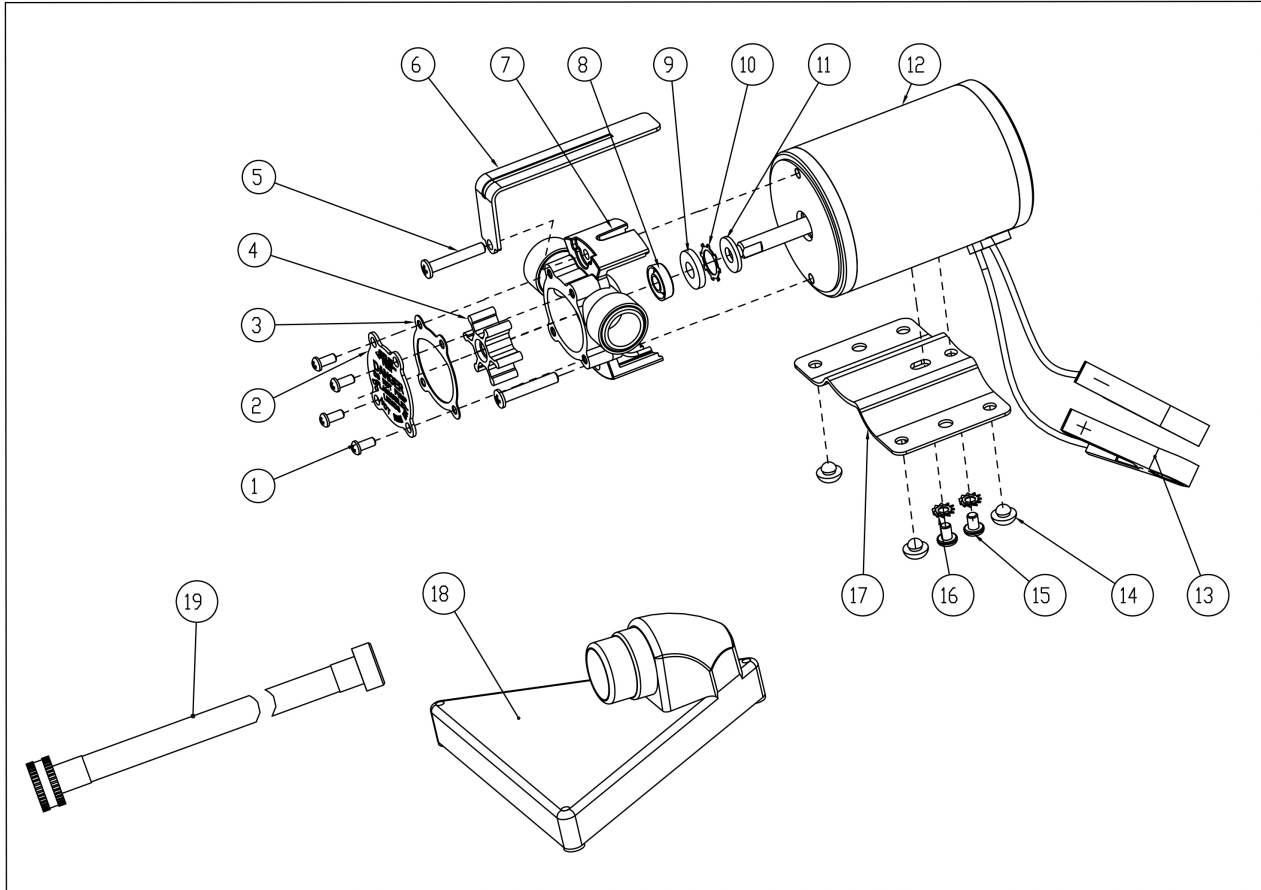
- 1/10 HP, 12V DC motor, 10A
- Flow: 330GPH, Max Lift: 39 ft.
- 3/4" Chrome-plated brass suction/discharge connectors.
- Easy-carry handle for portability.
- Flow, please see chart below:



Discharge Head (ft.)	0	10	20	30
Gallons Per Hour (GPH)	330	270	200	130

Parts List

Below is an exploded view of the HydraPump Mini Pump.



Parts List Reference

No.	Component	No.	Component
1	M4*10 Phil. pan head screws	11	Rubber washer
2	Pump head cover	12	Motor
3	Seal washer	13a	DC Pump: Battery Terminal Clamps
4	Impeller	13b	AC Pump: There will be a power cable
5	M5*30 Phil. Pan head screws	14	Foot pad
6	Easy-carry handle	15	M5*7 recessed pan head screws
7	Pump Head	16	Serrated gasket
8	Oil seal	17	Baseboard
9	Wool felt	18	Suction attachment
10	Felt clip	19	Inlet hose