

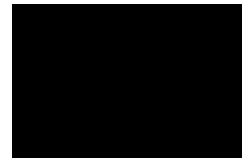
HYDRAPUMP® 12V UTILITY SUBMERSIBLE

INSTRUCTIONAL MANUAL

12V UTILITY SUBMERSIBLE WATER REMOVAL PUMP



TABLE OF CONTENTS



IMPORTANT NOTE! Please read carefully before attempting to assemble, install, operate or maintain the HydraPump® 12V Utility Submersible. 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.

INTRODUCTION	<u>PAGE</u>
WATER HAPPENS.....	01
THE HYDRAPUMP® 12V UTILITY SUBMERSIBLE.....	01
ARRIVAL AND INSPECTION.....	01
SAFETY FIRST	
HANDLING THE PUMP.....	02
WHILE PUMPING.....	02
KEY CONSIDERATIONS.....	03
SETTING UP	
INSTALLATION.....	04
ON-GOING OPERATION.....	05
ADAPTER CONNECTIONS.....	05
CLEANING & MAINTENANCE	
IMPELLER CLEANING.....	06
DRAINING FOR STORAGE.....	07
MAINTENANCE.....	07
MORE INFORMATION	
SPECIFICATIONS.....	08
TROUBLESHOOTING.....	08
HELPFUL INFORMATION	
<i>LIQUID LEARNING VIDEOS</i>	09
TECHNICAL ASSISTANCE.....	09
WARRANTY INFORMATION.....	09

WATER HAPPENS

Unexpected water can really put a damper on your day, but the HydraPump® 12V Utility Submersible can help bail you out when jobs require quick, powerful, and portable pumping. This battery power pump offers the ability to move water quickly in a variety of situation when traditional power is not available:

- For remote use when outdoors camping or out on the farm, HydraPump® 12V Utility Submersible can be on standby to move water to suit your needs.
- When pools or other water sources overflow during power outages, HydraPump® 12V Utility Submersible can be put into action quickly to prevent water damage.
- Being prepared in times of weather, HydraPump® 12V Utility Submersible can help keep a peace of mind that water can be moved quickly when needed.

HydraPump® 12V Utility Submersible can help move water in these and countless other situations!

THE HYDRAPUMP® 12V UTILITY SUBMERSIBLE

The HydraPump® 12V Utility Submersible technology is designed to efficiently transfer water from one point to another. Simply attach to the HydraPump® 12V Utility Submersible a standard garden hose for an out of the box ready-to-go experience. With HydraSense™ technology, a height adjustable electrical sensor attached to the pump, water is detected and the pump is automatically activated.

Note:

- This pump is meant to be used with clear water.
- The pump is meant to operate independently when sufficient water is detected or continuously when attended. The sensor can have its position adjusted to a desired height.
- The pump is submersible and can operate underwater.
- This pump is often used to move large amounts of water from one basin or location to another.
- Always be cautious when using pumps around water!

ARRIVAL AND INSPECTION

Be sure to examine HydraPump® 12V Utility Submersible package contents before use.

Your box should include:

- 1pc. HydraPump® 12V Utility Submersible
- 1pcs. For outlet assembly: 1-¼" NPT to ¾" GHT (Garden Hose Adapter)
- 1pc. manual packet

There are circumstances where the pump or its parts can become damaged during shipping. If damaged during shipping, please contact Watershed Innovations customer service.

SAFETY FIRST!

SAFETY INFORMATION

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



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



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

GENERAL SAFETY



Alert: Contains Chemicals

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.

Carefully Handle the Pump

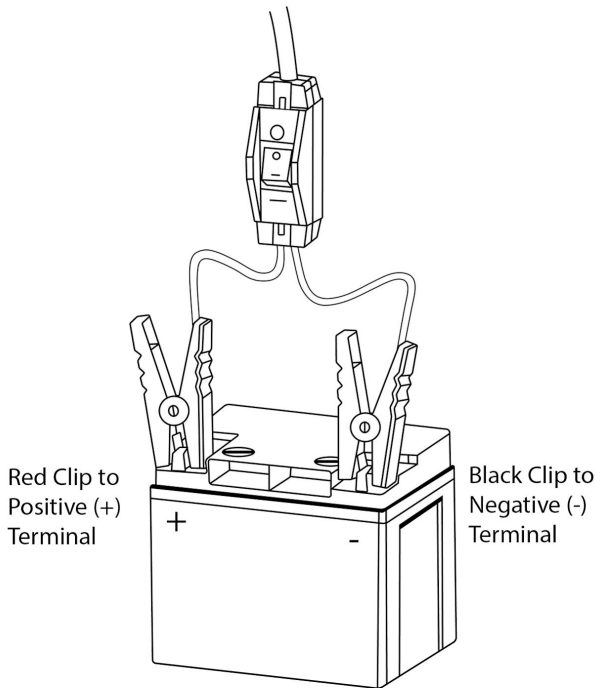
1. Wear safety equipment, including eye protection, at all times when working with pumps.
2. Use the pump handle or pump sides when making contact. Don't handle the pump by the power cord or you could damage it and make it unsafe.
3. Always plug the pump into a Ground Fault Circuit Interrupter (GFCI) that has been properly installed by an electrician.

Take Caution when Pumping

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 been 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.

Key Pumping Considerations

1. A 12V DC battery source power source is required for the HydraPump® 12V Utility Submersible to operate. It must be an adequately charged battery, preferably a fully charged battery since it will offer the best experience.

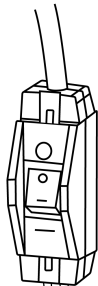


2. The pump should be in the off position when making the battery connections.
3. Check that the water source and piping are clear of dirt, scale, and sand. Debris will clog the pump. The pump is meant for clean/clear water.
4. The pump and its piping cannot operate below freezing.
5. The pump motor is in a fully enclosed oil filled compartment which helps with keeps the pump cool during operation. Also, the pump should not operate without water present for extended periods but if it does: unplug the pump and check the pump for damage.

SETTING UP INSTALLATION AND OPERATION

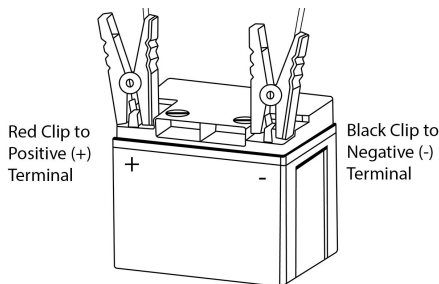
INSTALLATION

1. **Connect the GHT adapter** - The HydraPump® 12V Utility Submersible has an adapter that can be connected to allow the attachment of a standard garden hose. Alternatively, an 1-¼" NPT hose fitting can be directly connected to the pump for maximum performance and the adapter is not required in this case. See 'Expert Tip' for more information.
2. **Ensure a tight seal** - When attaching piping ensure a watertight seal. Remember that the adapter includes a check valve which can be removed if not needed to increase performance.
3. **Place upright** on a hard, flat surface in the water. Do not set the pump directly on muddy or sandy surfaces since this could cause the inlet screen to clog or the pump not to function.
4. **Toggle the On/Off Switch** - Make sure that the switch is in the 'Off' position. This will help limit surprises when connecting the battery.



On/Off
Switch

5. **Connect the battery** - Carefully attach the black alligator clip to the negative (-) terminal of the battery. Next, carefully attach the red alligator clip to the positive (+) terminal of the battery.



ON-GOING OPERATION

Once the pump has been properly piped in and correctly connected to a charged 12V, the pump will operate with the On/Off switch. The pump needs to remain upright at all times in order for the best possible performance. *If the pump is not upright please correct this or damage may occur to the pump.*

Note: Do not operate the pump without water present for pumping. This could damage the pump.

ADAPTER CONNECTIONS

The pump adapter allows for two types of connections. The first connection is a 3/4" Garden Hose Thread (GHT) connection and the second is a 1-1/4" National Pipe Thread (NPT) standard connection.



EXPERT TIP:

For improved outlet flow larger hoses or adapters can be attached. The entire GHT adapter can be unscrewed and a 1-1/4" n NPT hose can be attached to the pump outlet. When attaching directly to this please use plumber's tape when attaching NPT threaded connectors for a better seal.

CLEANING & MAINTENANCE

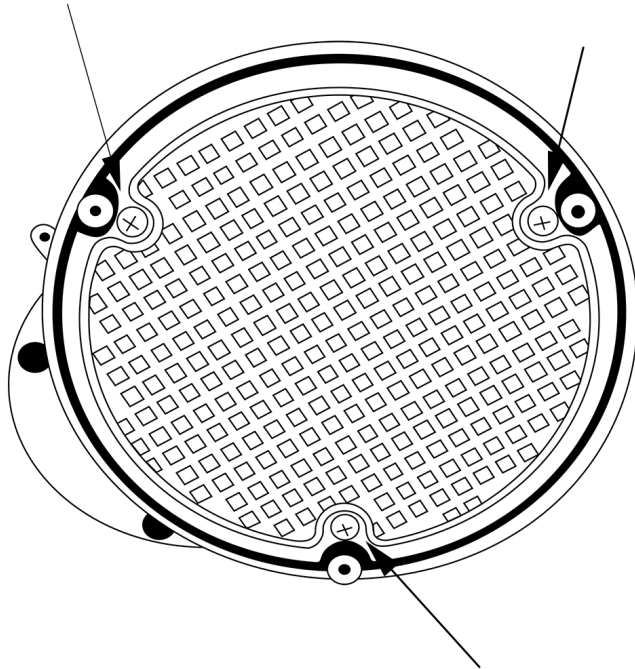
IMPELLER CLEANING



DANGER

Always disconnect the power source before attempting to clean the impeller.

1. Unplug the pump.
2. Remove the three screws shown in the figure.
3. Remove the cover and carefully clean the impeller of all debris.
4. Before reattaching the cover, carefully reposition the gasket making sure it will not obstruct the pump openings.
5. Reinstall the cover and replace the screws using caution as to not over-tighten or strip the screws.



DRAINING FOR STORAGE

After pumping is complete, disconnect the garden hose or other piping from the pump. Empty and remove the outlet hoses. Wipe the pump clean and store in a clean and dry place for next use.



WARNING

The pump may become hot during operation. Be careful when working near or touching the pump.



TIP:

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 concerns about the electrical circuit or pump operations.

MAINTENANCE

Keep the pump inlet clean and free of all foreign objects. Make sure to inspect the inlet at the beginning of each use.



DANGER

Always disconnect the power source before attempting to clean the impeller.



WARNING

The motor housing is completely sealed and requires no regular service. As a result, **do not disassemble the motor housing or alter the power cord since this could result in serious injury.**

MORE INFORMATION



SPECIFICATIONS

These are the technical specifications for the HydraPump® 12V Utility Submersible:

- ¼ HP, 12V DC, 15A Max (12A Typical)
- Pumping Capacity 1,500GPH Max
- Maximum Head 20ft
- Recommended operating temperature 32°F to 120°F
- Pump construction is thermoplastic housing

TROUBLESHOOTING

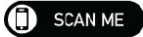
PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Pump will not start	Battery Not correctly connected to a 12 volt (V) battery	Correctly connect the alligator clips from the pump to the battery
	Battery is not charged	Charge the battery
	Bad Battery	Replace battery
	Obstructed Impeller	Remove power and clean the impeller
Pump is very slow or limited	Inlet clogged	Clean debris from the exterior of the pump
	Restriction in the outlet hose	Check for kinks and restrictions, shorten the length if possible
	Too much lift	Reduce the outlet hose height from the pump outlet to improve the flow rate
	Low battery	Charge the battery



HELPFUL RESOURCES



“LIQUID LEARNING” VIDEO COLLECTION



Our overview videos can get you started with our products quickly. Visit the “Watershed Innovations” company page on Amazon or capture the QR code to the left.

FOR REPLACEMENT PARTS OR TECHNICAL ASSISTANCE

Contact Watershed Innovations® and provide the following information: your order number, 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) Eastern

LIMITED LIABILITY WARRANTY

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

ABOUT WATERSHED INNOVATIONS

Watershed Innovations was founded in 2008 with the goal of creating user-friendly products that protect valuable property and land from water damage. Our flagship product was born out of necessity when one of our founders struggled with his backyard pool overflowing during California’s rainy season. Today, our products can be found throughout the United States as well as other countries. Our products are used in the homes and yards of consumers for protection from water damage. Our customers also include construction companies, agricultural entities, manufacturing facilities, premiere hotels, the military and other organizations that have large-scale water protection needs.

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