



## 1.6HP GARDEN PUMP WITH TANK ITEM #71041



### OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL: KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATING, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL NEAR THE ASSEMBLY DIAGRAM (OR MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO NUMBER).

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: (909) 628 0880 MON-FRI 9AM TO 3PM PST



**WARNING**

## GENERAL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator. Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

- **Read and understand all instructions.** Failure to follow all instructions may result in serious injury or property damage.
- **DO NOT** allow persons to operate or assemble the product until they have read this manual and have developed a thorough understanding of how it works.
- **DO NOT modify this product in any way.** Unauthorized modification may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.
- **Use the right Pump for the job. DO NOT** attempt to force a small Pump or attachment to do the work of a larger industrial Pump. There are certain applications for which this Pump was designed. **DO NOT** modify this Pump and do not use this Pump for a purpose for which it was not intended.
- **Maintain Pump with care.** Inspect tool cords periodically and, if damaged, have them repaired by an authorized technician.
- **Inspect the work area before each use.** Keep work area clean, dry, free of clutter, and well-lit. Cluttered, wet, or dark work areas can result in injury.
- **DO NOT use the product where there is a risk of causing a fire or an explosion;** e.g., in the presence of flammable liquids, gases, or dust. The product can create sparks, which may ignite the flammable liquids, gases, or dust.
- **Guard against electric shock.** Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerator enclosures. It is strongly recommended that this Pump be plugged into a Ground Fault Circuit Interrupter (GFCI). Ask a local electrician for easy installation instructions. To avoid electrical shock, no person or animal should be in contact with the water being pumped. Never walk on wet or damp area when pump is running in the same room.
- **Keep children and bystanders away from the work area while operating the pump. DO NOT** allow children to handle the product.
- **Check for damaged parts before each use.** Carefully check that the product will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the product with a damaged part.

# IMPORTANT SAFETY INFORMATION

- Circulation of caustic fluids, as well as the circulation of abrasive materials, must be avoided at all costs.
- For your safety, maintenance should be performed regularly by a qualified technician.
- **DO NOT pump hazardous materials. DO NOT** pump explosive or flammable materials such as Fuel Oil, Kerosene, Gasoline etc. Do not pump in close proximity to flammable or explosive materials. **DO NOT** pump fats, oils, salt or waste water. This Pump is designed to move clean or dirty water. **DO NOT** pump hot liquid.
- **Water transfers in cycles. DO NOT** attempt to manipulate the switch to keep Pump running continuously. It is meant to shut off intermittently. Doing so will damage the Pump.

**WARNING: People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.**

**WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)**

**Note:** Performance of this Pump (if powered by line voltage) may vary depending on variations in local line voltage. Extension cord usage may also affect Pump performance.



## SAVE THESE WARNINGS

### TECHNICAL SPECIFICATIONS

<b>Model</b>	<b>71041</b>
Nominal voltage	115 V / 60 Hz
Rated power	1.5HP
Protection type	IPX4
Max. suction height	26 ft
Max. conveying amount	1215gph
Max Head	147ft

# INSTALLATION

- In the fixed application, please apply four screws to tighten the equipment on the foundation support firmly.
- When the equipment is used for the pond and swimming pool in the garden, the equipment shall be subject to the special setup to avoid the overflow and falling.
- The equipment shall be installed in the well-ventilated places to avoid the weather effect. In case of indoor operation, please ensure that the floor is equipped with drainage ditch or leakage-proof mechanism.
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- Please check the suction hose and guarantee its airtightness before startup. When the air foam is absorbed in the hose, the equipment is likely to be out of order because the leakage exists possibly.

**DANGER!** In order to avoid any mechanical force or tension, the suction pipeline shall be installed. When the transmission pipeline is polluted, please apply filter for cleaning and to protect your pump from malfunctioning.

**NOTE:** It is advised to install one check valve to avoid the equipment shutdown which is caused by water loss.

- All interfaces which are connected to the suction pipeline shall be sealed by hemp and thick slurry or sealing tape. The leakage will reduce the air exhaust.
- The interface of metal pipe thread shall be sealed by sealing tape.
- All components of suction pipeline shall be installed by professionals.
- The inner diameter of suction pipe shall be 25mm at least; The suction pipe shall be kinking resistant and suitable for the vacuum environment.
- Considering that the increasing pipe length will reduce the transmission capacity, the suction pipeline shall be as short as possible.
- Considering that the increasing pipe length will reduce the transmission capacity, the suction pipeline shall be as short as possible.
- The suction pipeline shall uplift the pump steadily to avoid any bubble.
- Please ensure that the suction pipeline has enough water supply; The terminal of suction hose shall be submerged in water all the time.
- All components of pressure pipeline shall be compressive.
- All components of pressure pipeline shall be installed by professionals.
- The equipment can be firmly connected to the pipeline system (such as, internal water supply in families). In such case, the equipment shall apply the highly flexible hose to connect to the pipeline system to avoid the vibration.

# INSTALLATION

**DANGER RISK OF INJURY!** When the components are unable to withstand the compression or the installation is incorrect, the pressure pipeline is likely to burst during the operation.

**ATTENTION!** When the components are unable to withstand the compression or the installation is incorrect, the pressure pipeline is likely to burst during the operation.

**ATTENTION!** The equipment is only used for industrial water supply, such as, toilet and washing machine shall not be used for the drinking water supply.

**ELECTRIC SHOCK RISK! NEVER** operate the equipment in the humid environment. Risk for electric shock! Please disconnect the power supply before any operation of equipment.

The equipment should be operated only in the following conditions:

1. The equipment is only connected to the socket which has protective contacts, moreover, which shall be installed, grounded and checked by professional electricians.
2. The power voltage and fuse protection shall satisfy the technical data.
3. The equipment shall be equipped with the protective device for less than 30mA residual current when the equipment is operated in the swimming pool, garden and similar places.
4. In case of outdoor operation, the electrical connection shall be splash-proof; The equipment shall not be operated in water.
5. The extension wire shall have enough conductor cross section; The cable drum shall be unfolded completely.

**ATTENTION!** Danger type and source! All gaskets shall be renewed when components are dismantled.



**SAVE THESE INSTRUCTIONS.**

# TROUBLESHOOTING

The pump stops suddenly during operation	Power supply interruption	Check the fuse device and electrical connection and switch on the external
	The power line or plug is defective	Contact a qualified electrician
	The mechanical seal is sucked	The mechanical seal will suffer from resistance when idle for too long. Switch off the pump and pull out the power plug. Let the pump cool and apply the slot-type screwdriver to rotate the tail or shaft. When the shaft becomes flexible, power on the pump.
	Due to the pressure in the pipeline, the pressure switch will shut off the circuit	Open the faucet and the pressure switch will power on automatically after depressurization.
	The installation height of the faucet has exceeded the pressure value of the pressure switch	Adjust the pressure set up value of the pressure switch
Insufficient flow rate/ flow rate absence or self absorption failure	Dirty water will reduce the suction capacity of the pump	Clean the filter screen and replace the damaged spare parts
	Hose/pipeline filter plugged	Dredge the pipeline and clean up the filter screen
	Hose/Pipeline system is damaged	Replace the pipeline
	Water inlet is excessively soft, as a result, the water inlet fails to draw water due to the suction flattening during the pump operation	replace the threaded reinforcing anti-vacuum hose or pressure-proof hard tube
	Due to air in the pump head the pump fails to be completely filled with water	Check that the water source is enough, then immerse the water inlet in water for more than 10cm
	The joint of suction is untightened	Replace the joint sealing element and completely seal the joint
The pump is closed for a short period	The pipeline or pump suffer from abnormal obstruction and the thermal circuit breaker has cut off the electrical circuit	Clear obstructions after the pump has cooled off, then power the pump back on
	Due to excessive temperatures, the thermal circuit breaker has cut off the electrical circuit	Ensure that the water and environmental temperatures is less than 35°C, then power on and draw water
	Due to pressure in the pipeline, the pressure switch shall shut off the power	Open the faucet and the pressure switch will power on automatically after depressurization.
	Obstruction caused by a damaged impeller	Contact a qualified maintenance technician

# DISCLAIMER

## PLEASE READ THE FOLLOWING CAREFULLY

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THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Record Product's Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

### Questions, issues or missing parts?

Before returning to your retailer, our customer service team is here to help.



**Call Us:** 909.628.0880

**Email Us:** [customer@xtremepowerusa.com](mailto:customer@xtremepowerusa.com)

**Hours of Operation:** 9am - 3pm PST Monday - Friday

**PRODUCT MADE IN CHINA**