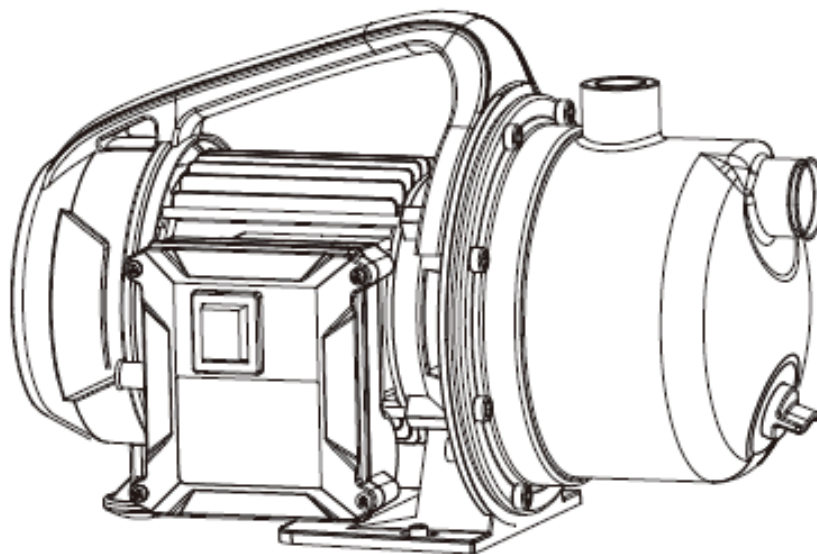




## GARDEN IRRIGATION SHALLOW WELL PUMP

1320 GPH 1.6 HP

SKU: 71044



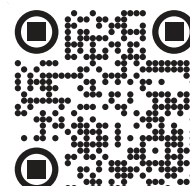
## ASSEMBLY AND USER'S GUIDE

### IMPORTANT:

This Pump Has Been Evaluated for Use With Water Only

**WARNING** - "Risk of electric shock - This pump is supplied with a grounding conductor and grounding type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to properly grounded, grounding-type receptacle".

71044





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# IMPORTANT SAFETY INSTRUCTIONS





## IMPORTANT SAFETY INSTRUCTIONS

This guide provides instructions for installing and using the pump. If you have any questions about the equipment, please contact XtremepowerUS.

This guide contains important information about safely installing and operating this product. After installation, make sure to share this information with the owner/operator or leave it with them for their reference.

### *Legends and Symbols*

When you come across the safety-alert symbol on your equipment or in this manual, pay attention to the following signal words and remain vigilant about the potential for personal injury.


-  **DANGER:** Ignoring these hazards can result in death, severe personal injury, or significant property damage.
-  **WARNING:** Indicates potential hazards that can result in severe personal injury, death, or significant property damage. Ignoring these warnings presents a real danger.
-  **CAUTION:** Indicates potential hazards that can result in minor or moderate personal injury, property damage, or actions that are unpredictable and unsafe. Ignoring these cautions presents a potential hazard.
-  **NOTE** **NOTICE:** This label indicates important special instructions that are not directly related to hazards.


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### USE OF NON-XTREMEPOWERUS REPLACEMENT PARTS VOIDS WARRANTY

**ATTENTION INSTALLER:** This manual contains vital information regarding the installation, operation, and safe use of this pump. It is essential to provide this manual to the end user of the product. Failure to read and follow all instructions could lead to severe injuries.

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 **DANGER** Failure to comply with all instructions and warnings may lead to severe bodily injury or even death. This pump must be installed and serviced exclusively by a qualified service professional. Prior to using this pump, installers, operators, and owners must carefully review these warnings and all instructions provided in the owner's manual. It is essential to leave these warnings and the owner's manual with the owner for their reference and safety.

 **WARNING** For safety reasons, children should not be allowed to use this product. Packing materials and plastic bags are not toys. Keep them away from children to prevent the risk of suffocation.



# IMPORTANT SAFETY INSTRUCTIONS

## WARNING

### Electrical Safety:

- Wiring and electrical connections must be performed by a licensed electrician.
- Install the pump and electrical components above the water level for indoor use to reduce the risk of electrical shock.
- Keep the motor area as dry as possible and avoid washing or immersing the motor.
- Connect the pump directly to a grounded GFCI outlet.
- To reduce the risk of electrical shock, ensure the motor is grounded, and the terminal cover is securely bolted in place.
- Do not ground the pump to a gas line.
- Always disconnect power before servicing.
- Please note that this pump is not suitable for use in swimming pool areas.

## WARNING

### Grounding:

- The pump must be grounded during operation to protect against electrical shock. It comes with an electric cord featuring an equipment-grounding conductor and grounding plug.

## WARNING

### Safety:

- This electrical garden pump with press control is suitable for outdoor use, such as in the garden.
- This pump is exclusively designed for residential use and is not intended for professional or commercial purposes.

## NOTE

### Usage Guidelines:

- This water pump is not equipped with water-sprinkling protection and should only be used in a dry environment. Do not use it in rainy or humid conditions.
- Do not use this water pump with flammable or harmful liquids.
- Avoid idle operation of the water pump.
- This water pump is designed for clean water applications, including garden irrigation, household water supply, and garden or farmland sprinkling.
- Do not expose the pump to impurities like sand, stones, or sticky substances, as these may damage the pump. Never use this pump for conveying drinking water.
- To prevent dry suction and potential pump damage, the machine includes an automatic shutdown feature in case of insufficient water supply.

# OVERVIEW (PRODUCT INFORMATION)

## OVERVIEW (PRODUCT INFORMATION)

### PRODUCT INTRODUCTION

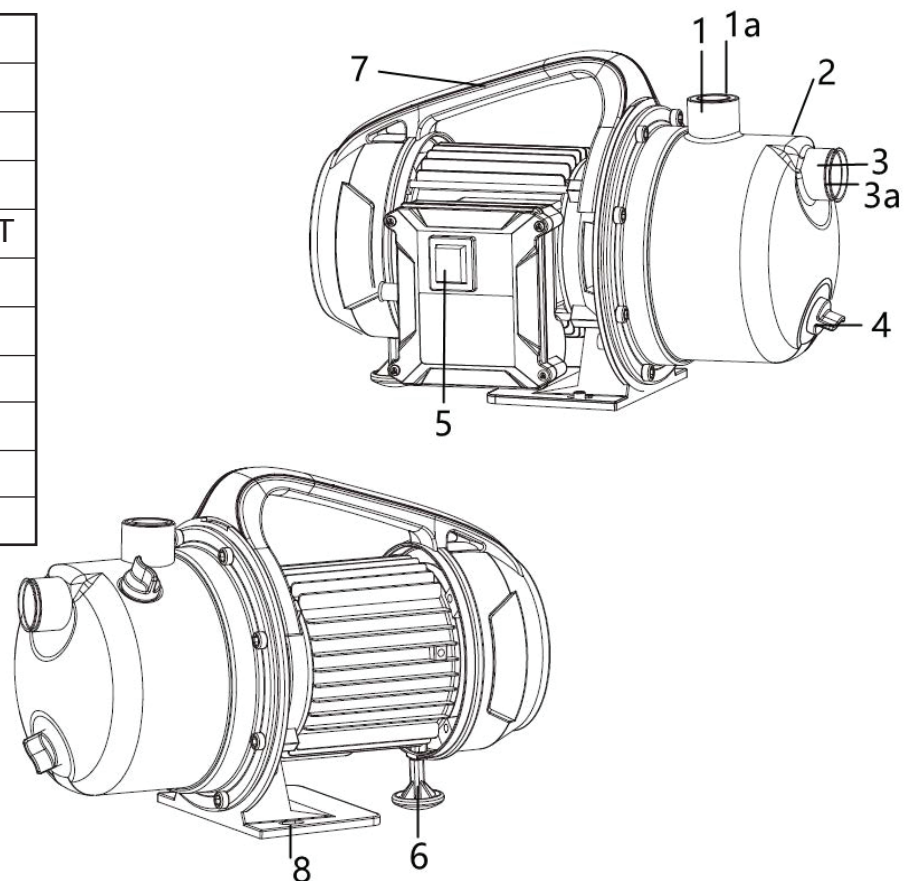
This versatile shallow well jet pump is ideal for a range of freshwater supply needs, including rural homes, cabins, farms, and more. It's designed for installations where the vertical distance from the pump to the water level doesn't exceed 26 FT. The pump features a 1 INCH NPT discharge and 1 INCH NPT suction, and it should not be used with saltwater, brine, or liquids containing caustic chemicals or foreign materials.

#### Common Applications:

- Watering and irrigating green areas, vegetable beds, and gardens.
- Operating lawn sprinklers.
- Utilizing a pre-filter (not included) to draw water from ponds, streams, rainwater barrels, rainwater cisterns, and wells.

### PRODUCT OVERVIEW

Item	Description
1	Discharge 1 INCH NPT
1 a	Sealing Cap
2	Prime Cap Screw
3	Suction Inlet 1 INCH NPT
3 a	Sealing Cap
4	Drain Cap Screw
5	Power Switch
6	Supporting Foot
7	Carrying Handle
8	Fixing Points



# OVERVIEW (PRODUCT INFORMATION)

## SPECIFICATIONS

<b>Model</b>	<b>71044</b>
<b>Voltage</b>	120 V / 60HZ
<b>Power</b>	1.6 HP
<b>Amps</b>	10 A
<b>Max. Lift</b>	157 FT
<b>Max. Suction Height</b>	26 FT
<b>Max. Flow</b>	1268 GPH
<b>Inlet Size</b>	1 INCH NPT
<b>Discharge Size</b>	1 INCH NPT
<b>Max. Water Temperature</b>	95 °F
<b>Water Proof Class</b>	IPX 4

<b>Max. Head FT</b>	<b>GPH of Water @ Total FT Of Head</b>				<b>Discharge NPT (INCH)</b>
	<b>0 FT</b>	<b>50 FT</b>	<b>100 FT</b>	<b>150 FT</b>	
157 FT	1268	1020	600	154	1 INCH NPT

## INTENDED USE AND SUITABILITY

This shallow well jet pump is designed for a variety of freshwater supply needs, making it well-suited for rural homes, cabins, farms, and more. It can be installed in locations where the vertical distance from the pump to the water level does not exceed 26 FT. The pump features a 1 INCH NPT discharge and 1 INCH NPT suction and should not be used with saltwater, brine, or liquids containing caustic chemicals or foreign materials.

Examples of Applications:

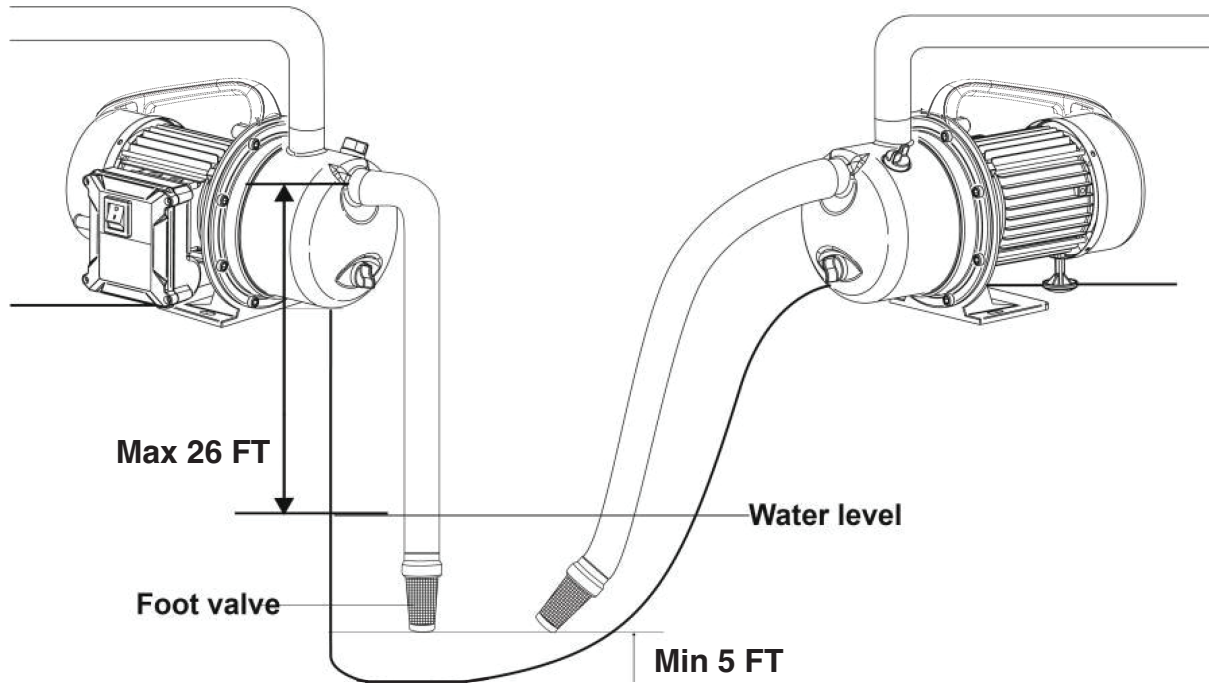
- Watering and irrigating green areas, vegetable beds, and gardens.
- Operating lawn sprinkler systems.
- When equipped with a pre-filter (not included), it can draw water from ponds, streams, rainwater barrels, rainwater cisterns, and wells.

# INSTALLATION

## INSTALLATION

### PUMP PLACEMENT

- Install in a clean, dry, well-ventilated area.
- Position horizontally on a solid foundation.
- Keep close to water source (Max 26 FT).
- Use a foot valve to maintain priming; keep it submerged 5 FT above well bottom.



# INSTALLATION

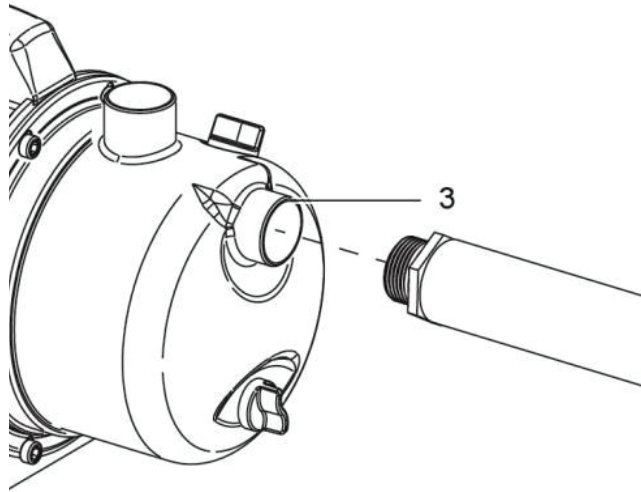
## ★ NOTE

Always use sealant tape on threaded connections.

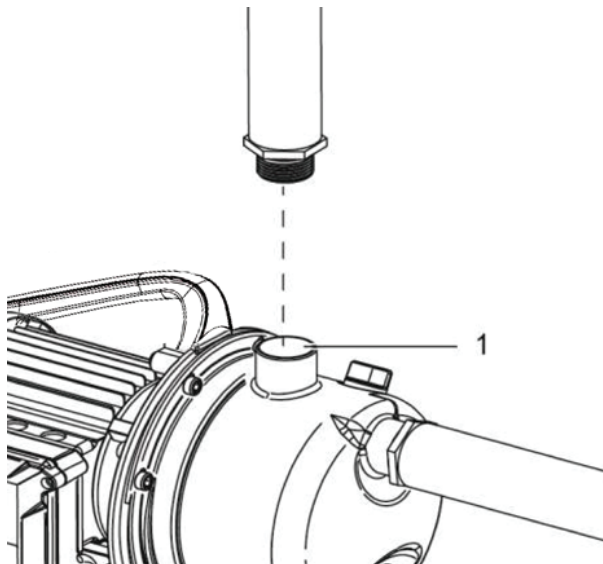
## PIPING

Use new, clean piping that matches flow rates, pressure, and water quality.

- Remove and store sealing cap (3a) from suction inlet (3).
- Connect hose adapters to suction inlet (3).
- Attach the suction line using the appropriate system.
- Position the line from the water source to the garden pump.



- For the discharge line, utilize either a 1 INCH NPT standard garden hose (sold separately) or employ hose adapters to connect a garden hose.
- Begin by removing the sealing cap (Part # 1a) from the discharge outlet (1).



# OPERATION

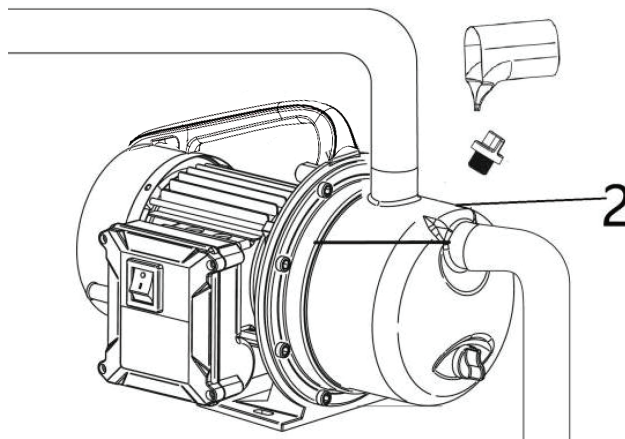
## OPERATION

### **! WARNING**

Ensure the pump is filled with water before use. Running the pump dry can damage the shaft seal and void the warranty.

## PRIMING

- Confirm the suction line is connected to prevent water leakage.
- If a service line is in place, open the discharge valve; if not, open a tap to release air from the suction line.
- Fill the pump through the prime plug (2) until water flows out.
- Tilt the pump slightly to remove air pockets.
- Re-install and hand-tighten the priming plug.



## OPERATING

Plug the power cord into a GFCI-protected electrical outlet and switch the power to the "On" position.

- Start the pump and run for 1.5 - 2 minutes; it should pump continuously.
- If not, repeat the PRIMING steps.
- For initial startup, repeat priming as needed to remove air, typically 3-6 cycles.
- If no water after 6 cycles, turn off and check for leaks.

### **! WARNING**

The pump runs continuously once turned on. Keep it under constant observation to prevent damage from dry running, as it lacks a dry-running cutoff. The pump has overheating protection and will shut off if it becomes too warm.

# TROUBLE SHOOTING

ISSUE	CASE	CORRECTIVE ACTION
The electric motor runs, but the pump doesn't draw water.	Once the pump starts, it doesn't fill with water.	Prime the pump with water.
	The suction hose isn't tightly sealed.	Ensure proper sealing of pump components like the suction nose joint, pressure hose joint, clamping ring, suction hose, and Teflon or hemp cord sealing strip. A well-sealed pump is essential for operation.
	The filter screen on the non-return valve at the suction inlet is clogged.	Clean the non-return valve at the suction inlet and the filter screen.
	Air can't escape from the pressure hose due to a closed water outlet.	Once the pump begins suction, open the water outlet (e.g., tap or sprinkling nozzle).
	The waiting time doesn't meet regulations.	Fill the entire suction hose with water, or recheck it at least 7 minutes after the pump starts.
	Suction head is too high (over 26 FT).	Reduce the suction head.
	The non-return valve fails to draw water.	Verify the water level in the well or water pool. If possible, lengthen the suction hose.
	No power supply.	Verify the power supply.
The electric motor isn't running.	The fan's rotation is obstructed by the ventilator hood.	Disconnect the power plug, remove the ventilator hood using a screwdriver, reinstall it while gently rotating the vane, and check for free rotation.
	The fan is blocked.	Disconnect the power plug, manipulate the shaft through the ventilator hood using a screwdriver. If the shaft is blocked, send it to a service center for inspection.
Insufficient water flow.	Suction head exceeds maximum (over 26 FT).	Verify the suction head.
	The non-return valve's filter screen is clogged.	Clear the filter screen.
	The suction water level dropped too low.	Submerge the non-return valve in deep water.
	Impurities have diminished the pump's effective capacity.	Clean the pump's shell, suction hose, and outlet pressure hose using pressurized water.

# TROUBLE SHOOTING

ISSUE	CASE	CORRECTIVE ACTION
The heat-sensitive switch can't turn off the pump.	Electric motor overload due to friction from impurities entering the motor.	Clean the pump's shell with pressurized water.
The pump's switch remains either OFF or ON.	Absence of a non-return valve on the suction hose.	Verify the presence of a valve on the suction hose.
Frequent switching of the pump's ON/OFF switch (when used in a household water supply system).	Rubber envelope in the pressure tank is damaged.	Replace either the rubber envelope or the container.
	The container lacks compressed air.	Install an appropriate valve and connect it to a compressed air supply at 1.8 BAR (26.1 PSI), then fill the container with air.



## MAINTENANCE

### MOTOR PROTECTION

#### ⚠ WARNING

- Prevent water from entering the motor.
- Avoid spraying or cleaning the product with running water to prevent electric shock and damage.

### WEARABLE PARTS

#### ★ NOTE

- The seals, pre-filter, flow sensor wheel, and non-return valve are subject to natural wear.
- Some wearable parts may not be included in the package.

### CLEANING

#### ⚠ WARNING

- Periodically clean the product with a damp cloth and mild soap.
- Avoid using cleaning products or solvents as they can harm plastic components.

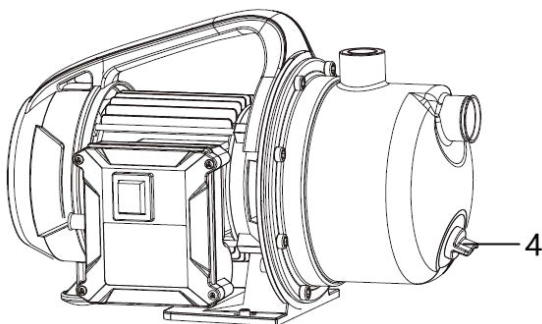
### STORAGE

#### ⚠ WARNING

- Store the pump in a dry place to prevent flooding and excess moisture.

#### Winter Draining:

- Disconnect suction and discharge lines.
- Remove the water drain cap screw (4) from the pump, allowing time for drainage before reinstallation.
- Drain piping below the frost line or store it indoors.
- Store the pump indoors.
- Always disconnect the power plug before any equipment work.



## ADDITIONAL TIPS

### WARNING

- Avoid exposing the pump to rain, humidity, dirt, or freezing conditions.
- Prevent freezing, idling, or blockage by impurities.
- In case of power cable damage, seek professional replacement, as short-circuit damage is not covered by the warranty.
- For pump issues, consult an authorized maintenance center.
- Do not use solvents like petrol, alcohol, or ammonia water, as they can damage plastic parts.

## DISPOSAL

### ENVIRONMENTALLY RESPONSIBLE DISPOSAL



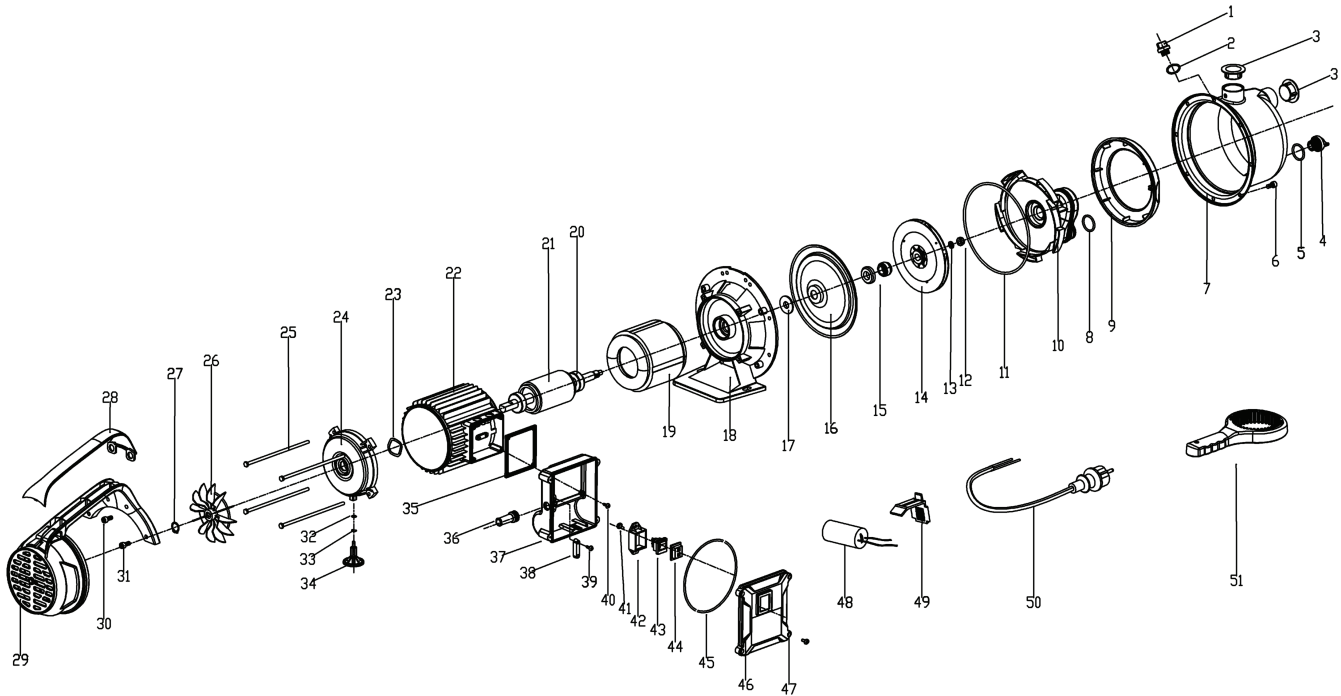
#### ★ NOTE

- When replacing your appliance, don't discard it with household waste. Dispose of it in an environmentally safe manner. Electrical waste requires special handling and recycling, not standard disposal. Use recycling facilities where available, or consult your Local Authority or retailer for guidance.
- For power tools and packaging, prioritize environmentally-friendly recycling. Never dispose of power tools as regular household waste. Utilize designated collection points for recycling. Contact your local authority for recycling information.

# REPLACEMENT PARTS

## REPLACEMENT PARTS

### PARTS DIAGRAM



Item	Description	Qty
1	Screw Cover	1
2	O-Ring	1
3	Plastic Cover	2
4	Screw Cover	1
5	O-Ring	1
6	Screw	8
7	Pump Head-SS	1
8	O-Ring	1
9	Plastic Cover Ring	1
10	Diffuser	1
11	O-Ring	1
12	Screw Nut	1
13	Gasket	1
14	Impeller	1
15	Mechanical Seal	1
16	SS-Flange	1
17	Swing Ring	1

Item	Description	Qty
18	Bracket	1
19	Stator	1
20	Bearing	2
21	Rotor	1
22	Main Body	1
23	Wave Gasket	1
24	Motor Back Cover	1
25	Body Screw	4
26	Fan	1
27	Clamp Spring	1
28	Handle	1
29	Fan Cover	1
30	Screw	2
31	Screw	2
32	Seal	1
33	Spring Seal	1
34	Support Foot	1

Item	Description	Qty
35	Rubber Seal	1
36	Cable Bracket	1
37	Switch Box-Basic	1
38	Cable Buckle	1
39	Screw	2
40	Screw	4
41	Screw& Gasket	2
42	Switch Buckle	1
43	Switch	1
44	Switch-Cover	1
45	O-Ring	1
46	Switch Box-Cover	1
47	Screw	4
48	Capacitance	1
49	Capacitance Buckle	1
50	Cable	1
51	Wrench	1

# DISCLAIMER

## DISCLAIMER

### ***PLEASE READ THE FOLLOWING CAREFULLY***

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The manufacturer and/or distributor have provided the parts list and assembly diagram in this manual for reference purposes only. They do not make any representation or warranty to the buyer that they are qualified to make repairs to the product or replace any parts of the product. In fact, the manufacturer and/or distributor expressly state 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 from their repairs to the original product or replacement parts or arising from their installation of replacement parts. It is strongly advised that qualified professionals handle any repairs or replacements to ensure safety and proper functioning of the product. Improper installation and operation may result in injury, property damage, or voiding of warranty. The manufacturer and/or distributor shall not be held responsible for any accidents, damages, or malfunctions resulting from the buyer's installation and operation of the product. It is essential to follow all safety guidelines and recommendations provided in this manual and to seek professional assistance if unsure about the installation or operation procedures.

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## CUSTOMER SERVICE

If you have any questions about ordering our pool pumps and replacement parts or pool products, please feel free to contact us using the following contact information:

### ***Customer Service and Technical Support***

**Phone:** (909) 628-0880

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

**Hours of Operation:** Monday – Friday, 9AM – 4PM (CST)

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