RYOBI RY20WP182KVNM

RYOBI ONE+ HP 18V 1/4 HP Cordless Battery Powered Transfer Pump

INSTRUCTION MANUAL

Introduction

The RYOBI 18V ONE+ HP Water Transfer Pump is designed for efficient displacement of water from one location to another. Utilizing ONE+ HP technology with a brushless motor, this pump delivers impressive performance for various applications, including draining water heaters, clearing flooded areas, or transferring water between containers.

Key features include a maximum flow rate of 10 Gallons Per Minute (GPM) at 1/4 horsepower, a 54-foot head height, and a 17-foot lift height. For enhanced convenience and extended pump life, it incorporates a 3-mode automatic shutdown timer (5, 10, or 15 minutes) and an automatic shutdown sensor that activates when no water is detected. The pump also offers 3-speed variable GPM settings to adapt to different job requirements. Its robust construction features a metal pump housing and a water-resistant sealed battery enclosure for durability and safety.



The RYOBI ONE+ HP 18V Transfer Pump, shown with its included 18V ONE+ 2Ah battery and charger.

Safety Information

Always read and understand all instructions before operating this product. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- **Do not** pump flammable or explosive liquids such as gasoline, fuel oil, kerosene, etc.
- **Do not** operate the pump in an explosive atmosphere, such as in the presence of flammable liquids, gases, or dust.
- **Always** ensure the battery is properly seated and the battery enclosure is sealed before operation.
- **Disconnect** the battery pack before making any adjustments, changing accessories, or storing the tool.
- **Wear** appropriate personal protective equipment, such as safety glasses, when operating the pump.
- **Keep** children and bystanders away while operating the pump.

Package Contents

Verify that all items listed below are included in your package. If any parts are missing or damaged, contact customer service.

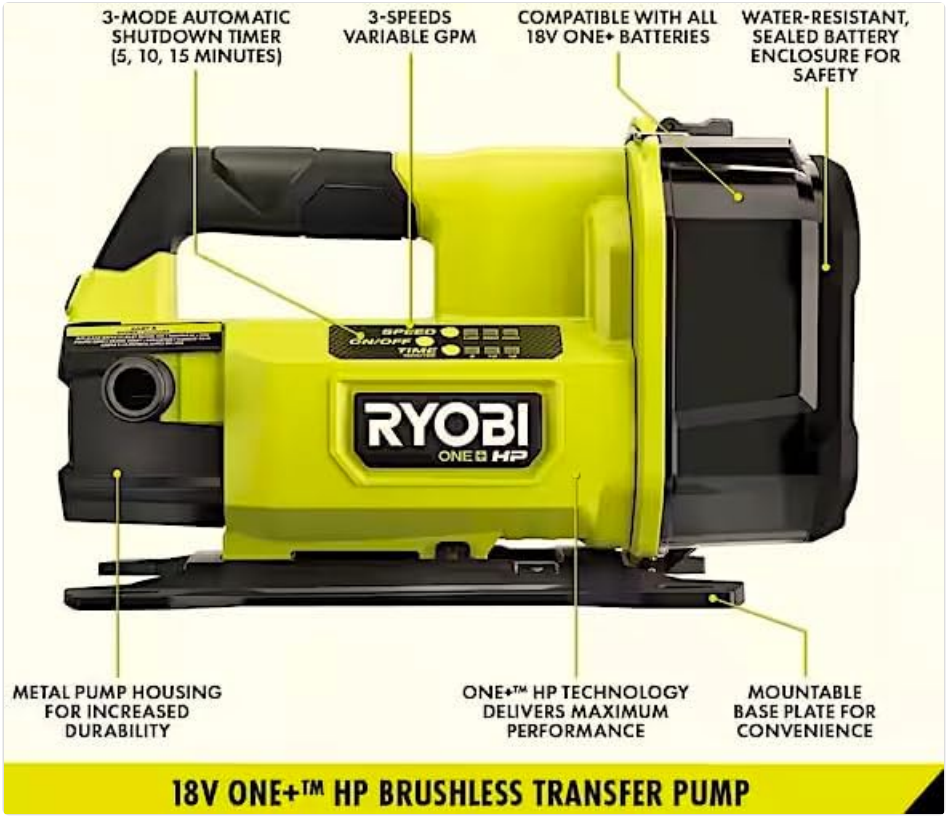
- (1) RY20WP18BTLVNM - 18V ONE+ HP Transfer Pump
- (1) PBP006 - 18V ONE+ 2Ah Battery
- (1) P118 - 18V ONE+ Charger
- (1) 4' Hose
- (1) Intake Filter



Included components: Brushless Transfer Pump, 4' Intake Hose & Intake Filter, 2.0Ah Battery, and Charger.

Setup

1. **Charge the Battery:** Before first use, fully charge the 18V ONE+ 2Ah battery using the included P118 charger. Refer to the charger's instruction manual for detailed charging procedures.
2. **Install the Battery:** Open the water-resistant sealed battery enclosure on the pump. Insert the charged 18V ONE+ battery into the battery port, ensuring it clicks into place. Close the enclosure securely to maintain its water-resistant seal.
3. **Connect Intake Hose:** Thread the 4-foot intake hose onto the intake port of the pump. Ensure a tight connection to prevent air leaks, which can affect pump performance. Attach the intake filter to the other end of the hose.
4. **Connect Discharge Hose:** Connect a standard 3/4" garden hose (not included) to the discharge port of the pump. Ensure this connection is also tight. Direct the discharge hose to the desired location for water transfer.



Key features of the 18V ONE+ HP Brushless Transfer Pump, including the water-resistant sealed battery enclosure and metal pump housing.

Operating Instructions

The RYOBI 18V ONE+ HP Transfer Pump offers versatile operation with variable GPM settings and an automatic shutdown timer.

1. **Placement:** Place the pump on a stable, level surface near the water source. Ensure the intake filter is fully submerged in the water to be transferred.
2. **Power On:** Press the ON/OFF button to start the pump. The pump will begin to prime and transfer water.
3. **Adjust Flow Rate (GPM):** Use the SPEED button to cycle through the three variable GPM settings: Low (2.3 GPM), Medium (5.5 GPM), and High (10 GPM). Select the appropriate speed for your application.
4. **Set Automatic Shutdown Timer:** Press the TIME button to activate the automatic shutdown timer. You can select settings for 5, 10, or 15 minutes. The pump will automatically shut off after the selected duration. Alternatively, the pump features an automatic shutdown sensor that detects when no water is present, preventing dry running and extending pump life.
5. **Monitor Operation:** Observe the water transfer process. Ensure the intake filter remains submerged and the discharge hose is properly directed.
6. **Power Off:** When water transfer is complete, or if you need to stop the pump manually, press the ON/OFF button.



The pump in operation, highlighting its versatility with 3-speed variable GPM for different tasks.



The pump in use, illustrating the convenience of the 3-mode timer with auto shutdown.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your transfer pump.

- **Cleaning:** After each use, flush the pump with clean water to remove any debris or sediment. Disconnect hoses and allow the pump to air dry completely before storage.
- **Intake Filter:** Periodically inspect and clean the intake filter to ensure it is free of clogs. A clogged filter can reduce pump efficiency.
- **Storage:** Store the pump in a dry, protected area away from extreme temperatures. Ensure the battery is removed before long-term storage.
- **Battery Care:** Store batteries in a cool, dry place. For long-term storage, charge batteries every 3-6 months to maintain their health.

Troubleshooting

If you encounter issues with your transfer pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump does not start	Battery not charged or improperly installed; ON/OFF button not pressed.	Ensure battery is fully charged and securely installed. Press the ON/OFF button firmly.
Low flow or no water transfer	Intake filter clogged; Air leak in intake hose connection; Insufficient water level; Discharge hose kinked or blocked.	Clean intake filter. Check all hose connections for tightness. Ensure intake filter is fully submerged. Clear any kinks or blockages in the discharge hose.
Pump runs but no water is transferred	Pump not primed; Air in the system.	Ensure intake hose is fully submerged and free of air. Allow pump to run for a short period to self-prime. If issues persist, disconnect and reconnect hoses.
Pump shuts off unexpectedly	Battery low; Automatic shutdown sensor activated (no water detected); Overload protection.	Recharge battery. Ensure continuous water supply. If pump overheats, allow it to cool down before restarting.

Specifications

Feature	Specification
Model Number	RY20WP182KVNM
Voltage	18V

Feature	Specification
Maximum Flow Rate	10 GPM (Gallons Per Minute)
Adjustable Flow Rates	2.3 GPM (Low), 5.5 GPM (Medium), 10 GPM (High)
Head Height	54 ft.
Lift Height	17 ft.
Shutdown Timer	5, 10, 15 Minutes (and automatic sensor)
Outlet/Inlet Connection	3/4" Garden Hose Thread
Intake Hose Length	4 ft.
Pump Housing Material	Metal
Item Weight	8.78 lbs (3.99 kg)
Power Source	Battery Powered

Warranty Information

This RYOBI ONE+ HP 18V Transfer Pump (Model RY20WP182K) is covered by a**3-Year Limited Warranty**. The included 18V ONE+ 2Ah Battery (PBP006) and 18V ONE+ Charger (P118) are also covered by a 3-Year Limited Warranty.

For full warranty terms and conditions, please refer to the warranty statement provided with your product at the time of purchase or visit the official RYOBI website.

Support

If you have questions or require assistance with your RYOBI ONE+ HP 18V Transfer Pump, please refer to the official RYOBI support resources. This may include their website for FAQs, product registration, or contact information for technical support.

For replacement parts or accessories, ensure you use only genuine RYOBI parts to maintain product performance and warranty validity.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question