

K2 UTM02501K

K2 Pumps UTM02501K 1/4HP Duo 2-in-1 Utility & Transfer Pump Instruction Manual

Model: UTM02501K

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your K2 Pumps UTM02501K 1/4HP Duo 2-in-1 Thermoplastic Submersible Utility and Transfer Pump. This innovative pump is designed for versatility, functioning as both a submersible utility pump and a non-submersible transfer pump.

The K2 Pumps UTM02501K is ideal for draining water from various sources, including hot tubs, stock tanks, flooded basements, water gardens, window wells, waterbeds, clogged sinks, aquariums, and water heaters.

2. SAFETY INFORMATION

Read all safety warnings and instructions carefully before operating this pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- **Electrical Safety:** Always disconnect the pump from the power source before performing any maintenance or service. Ensure the power outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI). Do not operate the pump with a damaged cord or plug.
- **Water Safety:** Never operate the pump in water containing flammable liquids or chemicals. Do not use the pump for drinking water.
- **Personal Safety:** Keep hands, feet, and clothing away from moving parts. Wear appropriate personal protective equipment (PPE) when handling the pump.
- **Placement:** Ensure the pump is placed on a stable, level surface. Do not lift the pump by its power cord.
- **Temperature:** Do not pump liquids hotter than 120°F (49°C).

3. PRODUCT OVERVIEW AND COMPONENTS

The K2 Pumps UTM02501K features a durable thermoplastic construction and a water-cooled, oil-free motor. It includes a handle for portability and a versatile design that allows for easy conversion between submersible and transfer pump configurations.



Figure 1: The K2 Pumps UTM02501K shown in its submersible configuration (left) and disassembled for transfer pump configuration (right), highlighting the included suction hose and strainer.

Key Components:

- Pump Body (Thermoplastic)
- 1/4 HP Motor
- Discharge Outlet (with garden hose adapter)
- Power Cord
- Handle
- Suction Hose (for transfer pump mode)
- Strainer (for transfer pump mode)
- Anti-airlock cap (located on the pump body)

4. SETUP INSTRUCTIONS

4.1 Submersible Utility Pump Setup

This configuration is used for draining water from flooded areas, hot tubs, or other sources where the pump can be fully submerged.



Figure 2: The K2 Pumps UTM02501K set up as a submersible utility pump, ready to drain water.

1. **Connect Discharge Hose:** Attach a standard garden hose (not included) to the pump's discharge outlet. Ensure a tight connection to prevent leaks.
2. **Position Pump:** Place the pump directly into the water source. Ensure the pump is fully submerged and resting on a stable surface. The pump can drain water down to approximately 1/8 inch.
3. **Route Hose:** Direct the discharge hose to an appropriate drainage area, ensuring the water will not cause further damage or flooding.
4. **Power Connection:** Plug the pump into a grounded GFCI-protected electrical outlet. The pump will begin operating automatically once powered.

4.2 Non-Submersible Transfer Pump Setup

This configuration is used for transferring water from shallow areas, waterbeds, or utility sinks where the pump cannot be fully submerged. This mode utilizes the included suction hose and strainer.



Figure 3: The K2 Pumps UTM02501K configured as a non-submersible transfer pump, showing the side view with hoses connected.



Figure 4: Close-up of the suction hose and strainer assembly used for the transfer pump configuration.

1. **Convert Pump:** Follow the instructions in your product packaging to convert the pump from submersible to transfer mode. This typically involves reorienting the pump base and attaching the suction port.
2. **Connect Suction Hose:** Attach the included suction hose and strainer to the pump's suction inlet. Place the strainer end into the water source.
3. **Connect Discharge Hose:** Attach a standard garden hose (not included) to the pump's discharge outlet.
4. **Prime the Pump:** For efficient operation in transfer mode, the pump and suction hose must be primed. Fill the pump and the suction hose completely with water before starting. This helps prevent airlocks and ensures proper function.
5. **Route Hoses:** Direct the discharge hose to the desired drainage area.

6. **Power Connection:** Plug the pump into a grounded GFCI-protected electrical outlet.

5. OPERATING INSTRUCTIONS

Once the pump is set up according to the instructions above, operation is straightforward:

1. **Ensure Proper Setup:** Double-check all hose connections and ensure the pump is correctly configured for either submersible or transfer operation.
2. **Verify Power:** Confirm the pump is plugged into a functional, GFCI-protected outlet.
3. **Start Operation:** The pump will typically start automatically when plugged in. Monitor the pump's performance and the water level.
4. **Monitor Discharge:** Ensure water is flowing freely from the discharge hose. If flow is weak or intermittent, refer to the Troubleshooting section.
5. **Shut Down:** To stop the pump, simply unplug it from the power source.

The water-cooled, oil-free motor design makes this pump safe for use around fish and plants, such as in water gardens or aquariums.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your K2 Pumps UTM02501K.

- **Cleaning:** After each use, especially when pumping dirty water, flush the pump with clean water to remove any debris. This helps prevent clogs and extends the pump's life.
- **Inspect Hoses:** Regularly check the suction and discharge hoses for kinks, cracks, or blockages.
- **Strainer Cleaning:** For transfer pump mode, regularly clean the strainer to ensure unrestricted water flow.
- **Anti-Airlock Cap:** The pump features an anti-airlock cap. Exercise caution when handling this component as it can be brittle. Avoid overtightening or applying excessive force when removing or reattaching.
- **Storage:** When not in use, store the pump in a dry, frost-free location. Ensure all water is drained from the pump and hoses before storage to prevent freezing damage.

7. TROUBLESHOOTING

If you encounter issues with your pump, consult the following troubleshooting guide:

Problem	Possible Cause	Solution
Pump does not start or run.	No power; tripped GFCI; faulty outlet.	Check power connection. Reset GFCI. Test outlet with another device.

Problem	Possible Cause	Solution
Pump runs but does not pump water (or very little).	Submersible Mode: Pump not fully submerged; intake clogged. Transfer Mode: Pump not primed; airlock in suction line; suction hose or strainer clogged; discharge hose kinked.	Submersible Mode: Ensure pump is fully submerged. Clear any debris from intake. Transfer Mode: Ensure pump and suction hose are fully primed with water. Check for air leaks in suction line. Clean suction hose and strainer. Straighten discharge hose.
Reduced flow rate.	Partial clog in intake or discharge; long or restrictive discharge hose; low voltage.	Clear any clogs. Use a shorter or wider discharge hose if possible. Ensure proper voltage supply.
Pump makes unusual noise.	Debris in impeller; pump running dry.	Disconnect power and inspect impeller for debris. Ensure pump is adequately supplied with water.

If the transfer pump feature consistently fails to work despite troubleshooting, while the submersible function operates correctly, it may indicate a specific issue with the transfer setup or components. Ensure thorough priming and check all connections.

8. SPECIFICATIONS

- **Model:** UTM02501K
- **Brand:** K2
- **Horsepower:** 1/4 HP (0.25 HP)
- **Voltage:** 115 Volts AC
- **Amperage:** 2.5 Amps
- **Maximum Flow Rate (Submersible):** 1600 Gallons Per Hour (GPH) / 26.66 Gallons Per Minute (GPM)
- **Maximum Flow Rate (Transfer):** 950 Gallons Per Hour (GPH)
- **Material:** Thermoplastic
- **Product Dimensions (L x W x H):** 7.7" x 5.7" x 11.4"
- **Item Weight:** Approximately 10.98 pounds (4.99 Kilograms)
- **Power Source:** AC
- **Included Components:** K2 Pumps UTM02501K, Suction Hose, Strainer

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This K2 Pumps product is covered by a manufacturer's warranty. For specific details regarding the warranty period, coverage, and terms, please refer to the warranty documentation included with your product packaging or visit the official K2 Pumps website. Retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, replacement parts, or any questions not covered in this manual, please contact K2

Pumps customer support. Contact information can typically be found on the product packaging or the official K2 Pumps website.