

## TRUPOW 0804

# TRUPOW Self-Priming Mini Hand Water Transfer Drill Pump Kit Instruction Manual

Model: 0804

## INTRODUCTION

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This manual provides comprehensive instructions for the safe and efficient operation of your TRUPOW Self-Priming Mini Hand Water Transfer Drill Pump Kit. Please read this manual thoroughly before use and retain it for future reference.

### Key Features:

- **High Efficiency:** Transfers up to 750 gallons per hour (GPH) depending on drill speed.
- **No External Power Required:** Operates with an electric hand drill, ensuring safety for water and oil transfer.
- **Durable Construction:** Made from corrosion-resistant thermoplastic, suitable for weak acid and alkaline environments. Features an easily replaceable rubber impeller for extended service life.
- **Lightweight & Portable:** Weighing only 1.5 lbs, this mini drill pump is easy to store and transport.
- **Versatile Fluid Transfer:** Designed with an oil-resistant impeller, capable of transferring both water and oil.
- **Wide Application:** Suitable for tasks such as clearing clogged sinks, pumping out pool covers, emptying aquariums, and transferring oil from vehicles and boats.

## SAFETY INFORMATION

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Always prioritize safety when operating the drill pump. Failure to follow these instructions may result in injury or damage to the equipment.

- **Power Source:** This pump requires an electric hand drill with a minimum speed of 1300 RPM. Ensure the drill battery is fully charged if using a cordless model.
- **Fluid Compatibility:** The pump is designed for water and oil transfer. Do not use with highly corrosive chemicals, flammable liquids (e.g., gasoline), or liquids with solid particles that could damage the impeller.
- **Hose Connections:** Ensure all hose connections are secure to prevent leaks.
- **Hose Condition:** Keep hoses free of kinks or obstructions during operation.
- **Discharge Hose Length:** For optimal performance and to prevent excessive back pressure, the discharge hose length should generally be less than 50 feet for water transfer.
- **Oil Transfer Hose:** Always use the provided 1/4" clear plastic suction tube for oil transfer.

- **Personal Protective Equipment:** Wear appropriate safety gear, such as gloves and eye protection, especially when handling oils or other chemicals.
- **Supervision:** Do not leave the pump unattended during operation.
- **Not for Manual Operation:** This drill pump will not turn by hand. It is designed exclusively for use with electric hand drills.

## PACKAGE CONTENTS

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Verify that all items are present in your package:

- 1x Drill Pump
- 2x Water Hose Adapters
- 1x Oil Hose Connector
- 2x Rubber Washers
- 1x 1/2" Green Water Hose
- 1x 1/4" Clear Plastic Oil Suction Tube



*Image: All components included in the TRUPOW Drill Pump Kit.*

## SETUP INSTRUCTIONS

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1. **Prepare the Drill:** Ensure your electric hand drill is capable of at least 1300 RPM. If using a cordless drill, ensure the battery is fully charged.
2. **Connect the Pump to the Drill:** Insert the drive shaft of the drill pump into the chuck of your electric hand drill. Tighten the chuck securely to prevent slippage during operation.
3. **Identify Inlet/Outlet:** The pump has clear "IN" and "OUT" markings on its surface to indicate the direction of fluid flow.
4. **Attach Hoses:**
  - For **Water Transfer:** Slide the 1/2" green water hose over the inlet side hose adapter directly. Connect another hose to the outlet adapter. Ensure rubber washers are used for a tight seal.
  - For **Oil Transfer:** Slide the rubber sheathed hose connector through the exposed inlet end of the hose adapter. Insert the 1/4" clear plastic suction tube into the rubber sleeve at the inlet end of the drill pump. The inlet hose for oil should be as short as possible, not exceeding 25 feet.

5. **Secure Hoses:** Ensure all hose connections are tight and free from kinks or obstructions.

# WATER TRANSFERRING

Slide the 1/2 " Green Hose (larger size) over the inlet side hose adapter directly.

Note: 1.Make sure both hoses are free of kinks or obstructions; 2.Discharge hose length should be less than 50'.



*Image: Proper connection of the drill pump to an electric drill and hoses.*

## OPERATING INSTRUCTIONS

### Water Transfer:

1. **Submerge Inlet:** Place the inlet end of the hose into the water source you wish to transfer.
2. **Position Outlet:** Direct the outlet hose to the desired drainage or collection point. Ensure the discharge hose is not kinked and its length is appropriate (less than 50 feet recommended).
3. **Start Pumping:** With the pump/hose assembly held loosely with one hand, slowly start the electric drill. Observe the "MAX SPEED DRIVING" arrow on the pump to ensure it is rotating in the proper direction for pumping. Increase drill speed gradually to achieve desired flow.
4. **Monitor:** Continuously monitor the fluid transfer process. Do not run the pump dry for extended periods, as this can damage the impeller.

# NO POWER REQUIRED

— works great with most electric hand drills



Electric Drill Drive



Rugged Body



Large Flow



Easy to store



*Image: Water being transferred using the drill pump. Ensure hoses are free of kinks.*

## Oil Transfer:

1. **Connect Oil Tube:** Ensure the 1/4" clear plastic oil suction tube is securely inserted into the inlet of the pump, using the rubber sheathed connector.
2. **Submerge Inlet:** Place the clear plastic suction tube into the oil source.
3. **Position Outlet:** Direct the outlet hose to the collection container.
4. **Start Pumping:** Slowly start the electric drill, ensuring the pump rotates in the correct direction. Increase speed gradually.
5. **Important Note:** The inlet hose for oil transfer should be as short as possible, ideally no more than 25 feet, to maintain efficient suction.

# OIL TRANSFERRING

Slide the rubber sheathed hose connector through the exposed inlet end of the hose adapter.

Insert the 1/4" clear plastic suction tube into the rubber sleeve at the inlet end of the drill pump.

**NOTE:** Be sure to use the small 1/4" clear plastic suction tube when transferring oil.



*Image: Setup for transferring oil using the drill pump and the specialized clear suction tube.*

## MAINTENANCE

- **Cleaning:** After each use, especially after transferring oil or dirty water, flush the pump with clean water to prevent residue buildup and prolong its lifespan.
- **Impeller Replacement:** The rubber impeller is a wear-and-tear component. If pumping efficiency decreases or the pump fails to prime, inspect the impeller for damage and replace it if necessary. Replacement impellers are available from TRUPOW.
- **Storage:** Store the pump and hoses in a clean, dry place away from extreme temperatures.

## TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                                | Possible Cause                                                                                                                                                                                                                                                                                               | Solution                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pump does not prime or transfer fluid. | <ul style="list-style-type: none"> <li>◦ Hoses are kinked or obstructed.</li> <li>◦ Inlet hose is too long (especially for oil).</li> <li>◦ Connections are not airtight.</li> <li>◦ Drill speed is too low.</li> <li>◦ Impeller is worn or damaged.</li> <li>◦ Pump is running dry for too long.</li> </ul> | <ul style="list-style-type: none"> <li>◦ Check and clear all hoses.</li> <li>◦ Shorten the inlet hose, particularly for oil.</li> <li>◦ Tighten all hose adapters and ensure rubber washers are in place.</li> <li>◦ Increase drill speed (minimum 1300 RPM).</li> <li>◦ Inspect and replace the impeller if necessary.</li> <li>◦ Ensure the pump is submerged or has fluid to draw.</li> </ul> |
| Fluid leaks from connections.          | <ul style="list-style-type: none"> <li>◦ Loose hose connections.</li> <li>◦ Missing or damaged rubber washers.</li> </ul>                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>◦ Tighten all connections.</li> <li>◦ Inspect and replace rubber washers if damaged or missing.</li> </ul>                                                                                                                                                                                                                                                |
| Reduced flow rate.                     | <ul style="list-style-type: none"> <li>◦ Low drill speed.</li> <li>◦ Partial obstruction in hoses or pump.</li> <li>◦ Worn impeller.</li> </ul>                                                                                                                                                              | <ul style="list-style-type: none"> <li>◦ Increase drill speed.</li> <li>◦ Check and clear hoses/pump.</li> <li>◦ Inspect and replace impeller.</li> </ul>                                                                                                                                                                                                                                        |

## SPECIFICATIONS

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Brand:</b>             | TRUPOW                                                                   |
| <b>Model Number:</b>      | 0804                                                                     |
| <b>Product Type:</b>      | Drill Pump Kit                                                           |
| <b>Material:</b>          | Thermoplastic (Plastic)                                                  |
| <b>Maximum Flow Rate:</b> | 750 GPH (8.75 Gallons Per Minute)                                        |
| <b>Maximum Pressure:</b>  | 25 PSI                                                                   |
| <b>Inlet/Outlet Size:</b> | G 3/4" (1/4-inch for oil tube, 1/2-inch for water hose)                  |
| <b>Power Source:</b>      | Electric Hand Drill (AC/DC compatible, 1300 RPM or stronger recommended) |
| <b>Item Weight:</b>       | 0.57 Kilograms (approx. 1.26 lbs)                                        |
| <b>Dimensions:</b>        | Approx. 9 inches (length) x 6 inches (height)                            |
| <b>Specific Uses:</b>     | Clogged sinks, pool covers, aquariums, autos, boats                      |



Oil Hose Connector



Water Hose Adapter



Rubber Washer



1/2" Green Hose & 1/4" Clear Plastic Suction Tube

**Product type:** Drill Pump Kit

**Max. flow rate:** 750GPH

**Max. pressure:** 25PSI

**Inlet/Outlet:** 1/4-in

**Ideal for the following applications:**

- Clogged sinks
- Overflowing washing machines
- Emptying aquariums
- Pumping out pool covers
- Transferring oil from autos and boats

**Warning:** This utility pump will not turn by hand. It is designed to be used with electric hand drills

*Image: Detailed view of the pump's dimensions and port sizes.*

## WARRANTY AND SUPPORT

TRUPOW provides a quality warranty, ensuring every pump is manufacturer tested for a long-lasting lifespan. If you encounter any issues or are not satisfied with your product, please contact TRUPOW customer service. They aim to reply and resolve problems within 24 hours.

For specific warranty details or support, refer to the contact information provided with your purchase or visit the official TRUPOW website.

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### 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

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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**