TDR FORCE TDR-B-69

TDRFORCE 5 Gallon Water Jug Dispenser Pump Instruction Manual

Model: TDR-B-69 | Brand: TDR FORCE

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your TDRFORCE 5 Gallon Water Jug Dispenser Pump. This system is designed to provide fresh, potable water from 5-gallon water jugs to various appliances such as refrigerators, ice makers, espresso machines, and countertop faucets. It features automatic shut-off when the water bottle is empty and restarts automatically when refilled, ensuring efficient and reliable water supply.

2. Safety Information

Please read all safety instructions carefully before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power source matches the voltage requirements specified on the pump's label.
- Do not immerse the pump unit in water or other liquids.
- Always unplug the pump from the power outlet before cleaning, performing maintenance, or when not in use for extended periods.
- Keep all electrical connections dry and away from water.
- This pump is designed for potable water only. Do not use with other liquids.
- Keep out of reach of children.
- Do not operate the pump if the power cord or plug is damaged.

3. Package Contents

Verify that all components are present and undamaged upon opening the package:

- TDRFORCE Bottled Water Dispenser Pump Unit
- 66-inch Inlet Pipe (includes 1.8ft hard pipe for jug and 3.6ft hose)
- 20-foot Outlet Hose

- Power Cord
- User Manual (this document)



Figure 3.1: Overview of the TDRFORCE water dispenser pump components, including the main pump unit, inlet tubing, and outlet hose.

4. Setup and Installation

The TDRFORCE pump is designed for easy installation, typically under a counter. For optimal performance, install the pump as close as possible to the appliance it will supply.

1. **Positioning the Pump:** Place the pump unit in a dry, accessible location, preferably under the counter near the appliance (refrigerator, ice maker, coffee machine) it will serve. Ensure there is enough space for ventilation and access to the water jug.
2. **Connecting the Inlet Pipe:** Insert the hard pipe end of the 66-inch inlet pipe into a 5-gallon water jug. Ensure the pipe reaches the bottom of the jug for maximum water extraction.
3. **Connecting to the Pump Unit:** Connect the hose end of the inlet pipe to the designated inlet port on the TDRFORCE pump unit. Secure the connection firmly to prevent leaks.
4. **Connecting the Outlet Hose:** Attach one end of the 20-foot outlet hose to the pump's outlet port. Route the other end of the outlet hose to the water inlet of your appliance (e.g., refrigerator's ice maker line, coffee machine's water reservoir). Ensure the hose is not kinked or pinched.
5. **Power Connection:** Plug the pump's power cord into a standard electrical outlet.
6. **Initial Priming (if necessary):** If the pump has been unused for a long time, it may require manual priming. Refer to the Troubleshooting section for details.

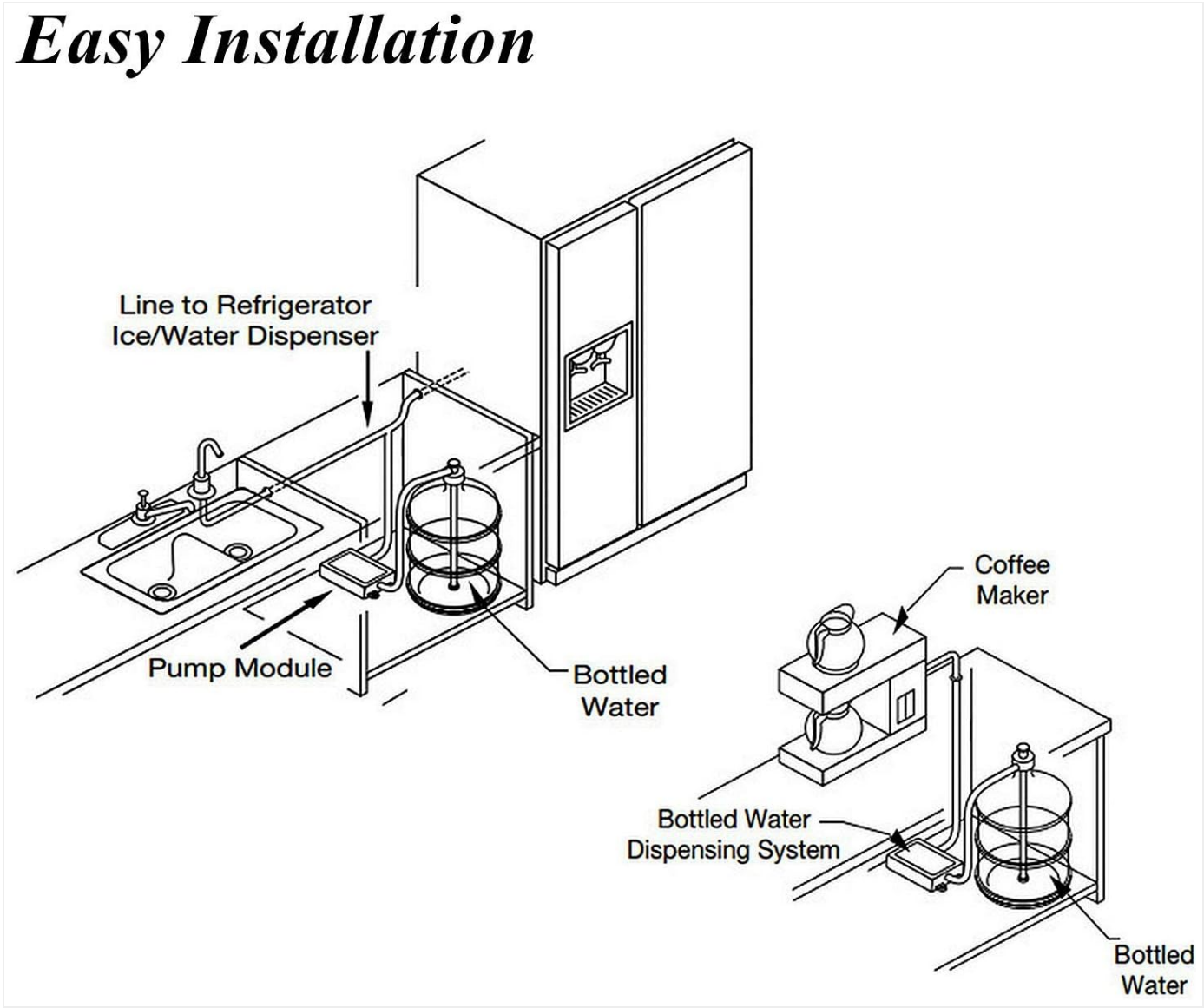


Figure 4.1: Installation diagram illustrating how to connect the pump to a refrigerator's ice/water dispenser and a coffee maker, with the pump module placed under the counter.



Figure 4.2: The TDRFORCE pump system with double tube configuration, connected to two 5-gallon water bottles, demonstrating a typical setup.

5. Operating Instructions

Once installed and connected, the TDRFORCE pump operates automatically.

1. **Power On:** Ensure the pump is plugged into a power outlet and the power switch on the unit is in the "ON" position.
2. **Automatic Operation:** The pump will automatically activate when your connected appliance (e.g., refrigerator ice maker, coffee machine) demands water. It provides a strong suction of 2.8 bar (40 PSI) and a high flow rate of 2 gallons per minute (GPM).
3. **Dry Pumping Protection:** The pump is equipped with a dry pumping protection feature. It will automatically shut off

when the water bottle is depleted to prevent damage.

4. **Automatic Restart:** When a new, full water bottle is connected, the pump will automatically restart and resume operation.



Figure 5.1: Examples of the TDRFORCE pump system in use, supplying water to a refrigerator's ice maker and a commercial coffee machine.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your TDRFORCE water pump.

- **Cleaning:** Periodically wipe down the exterior of the pump unit with a damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Hose Inspection:** Regularly inspect the inlet pipe and outlet hose for any signs of wear, kinks, or damage. Replace if necessary.
- **Water Jug Hygiene:** Ensure the water jugs used are clean and free from contaminants.

- **Long-Term Storage:** If storing the pump for an extended period, disconnect it from power, drain any remaining water from the hoses, and store in a dry, cool place.

7. Troubleshooting

Refer to the following common issues and their solutions:

Problem	Possible Cause	Solution
Pump not working after long period of disuse.	Air in the pump/lines, needs priming.	Manually fill water into the pump to restart it. This helps to prime the system.
Pump not working after changing bottle with power on.	System lost prime or air entered the lines.	Switch off the main unit before changing bottles. If this happens, remove the outlet hose, pump a small amount of water into a cup or towel to re-prime, then re-install the hose.
No water flow or weak flow.	Empty water jug, kinked hose, clogged inlet pipe, power issue.	Replace empty water jug. Check for kinks or blockages in the inlet and outlet hoses. Ensure pump is powered on and plugged in correctly.
Pump is noisy.	Normal operation noise, vibration against surfaces.	Some operational noise is normal. Ensure the pump is not vibrating against a wall or cabinet. Consider placing a dampening mat underneath if noise is excessive.

Note: If you receive a new pump with residual water inside, this is normal. It indicates that the pump underwent a factory pumping test to ensure functionality before shipment.

8. Specifications

Model Number	TDR-B-69
Brand	TDR FORCE
Color	White
Material	Polyethylene (PE)
Power Source	Corded Electric
Wattage	55 watts
Pressure	2.8 bar (40 PSI)
Flow Rate	2 GPM (Gallons Per Minute)
Item Weight	5.06 pounds (approx. 2.3 kg)
Installation Type	Under Sink
UPC	614993999441

9. Warranty and Support

TDRFORCE stands behind the quality of its products.

- **Warranty:** This product comes with a 180-day warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact TDRFORCE customer service. Contact information can typically be found on the product packaging or the official TDRFORCE website.
- **Presale and After-Sale Services:** TDRFORCE offers comprehensive presale and after-sale support to ensure customer satisfaction.

© 2025 TDR FORCE. All rights reserved.

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