TDR FORCE BW1000A-1

TDRFORCE 5 Gallon Bottled Water Dispenser System User Manual

Brand: TDR FORCE | Model: BW1000A-1

1. Introduction

The TDRFORCE 5 Gallon Bottled Water Dispenser is an electric pump and refrigerator system designed to efficiently dispense water from 5-gallon jugs. This system is ideal for providing fresh water to various appliances such as refrigerators, ice makers, espresso machines, and countertop faucets (faucet not included). Its compact design and powerful pumping capabilities ensure a reliable water supply for your home or commercial needs.



Image: The TDRFORCE water dispenser pump system connected to a 5-gallon water bottle, ready for use.

2. Product Features

- **Versatile Application:** Compatible with 5-gallon water jugs, serving as a fresh water dispenser pump for refrigerators, ice makers, espresso machines, and countertop faucets.
- **Powerful Performance:** Delivers 2.8 bar (40 PSI) strong suction and a high flow rate of 2 GPM (Gallons Per Minute).
- **Dry Pumping Protection:** Features automatic shut-off when the water bottle is empty, preventing damage, and automatically restarts when the jug is refilled.
- **Quiet Operation:** Designed for muffle working, ensuring minimal noise during operation.
- **Easy Installation:** Includes a 66-inch inlet pipe (1.8ft hard pipe for the jug and 3.6ft hose to the pump) and a 20-foot outlet hose for convenient under-counter installation.
- **Food Grade Materials:** Constructed with food-grade materials and holds a CE Certificate for safety and quality.



Image: A visual representation of the key features, including compact design, automatic shut-off, and various applications.

3. Package Contents

Upon opening the package, verify that all components are present and undamaged:

- TDRFORCE Water Dispenser Pump Unit
- 66-inch Inlet Pipe (1.8ft hard pipe + 3.6ft hose)
- 20-foot Outlet Hose
- Bottle Cap Assembly with Dip Tube
- Power Cord
- Instruction Manual



Image: All components of the TDRFORCE water dispenser system laid out, including the pump unit, hoses, and bottle cap assembly.

4. Setup and Installation

The TDRFORCE water dispenser pump is designed for easy under-counter installation. Follow these steps for proper setup:

1. **Placement:** Position the pump module as close as possible to the appliance it will supply water to (e.g., refrigerator, coffee maker) for optimal pumping effect. The system is designed for under-sink installation.
2. **Bottle Preparation:** Place your 5-gallon water jug in a convenient location, typically under the counter or near the pump.
3. **Connect Inlet Pipe:** Insert the hard pipe end of the inlet pipe into the 5-gallon water jug. Secure the bottle cap assembly onto the jug opening. Connect the hose from the bottle cap assembly to the "IN" port on the pump unit.
4. **Connect Outlet Hose:** Connect one end of the 20-foot outlet hose to the "OUT" port on the pump unit. Route the other end of the outlet hose to the water inlet connection of your appliance (e.g., refrigerator ice maker, coffee machine).
5. **Power Connection:** Plug the pump unit's power cord into a standard AC electrical outlet.

Easy Installation

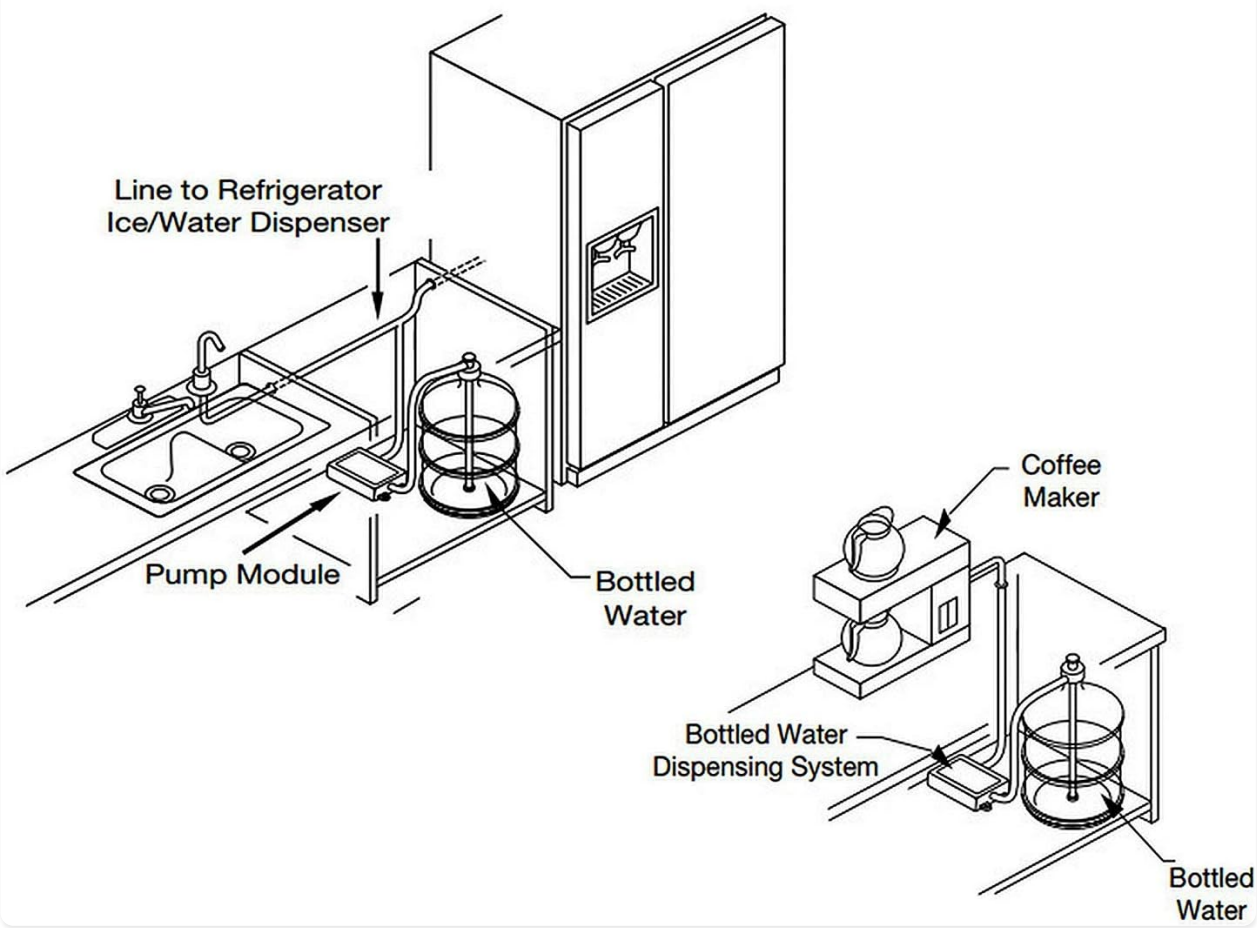


Image: A diagram illustrating typical installation scenarios for the water dispenser, connecting to a refrigerator and a coffee maker.

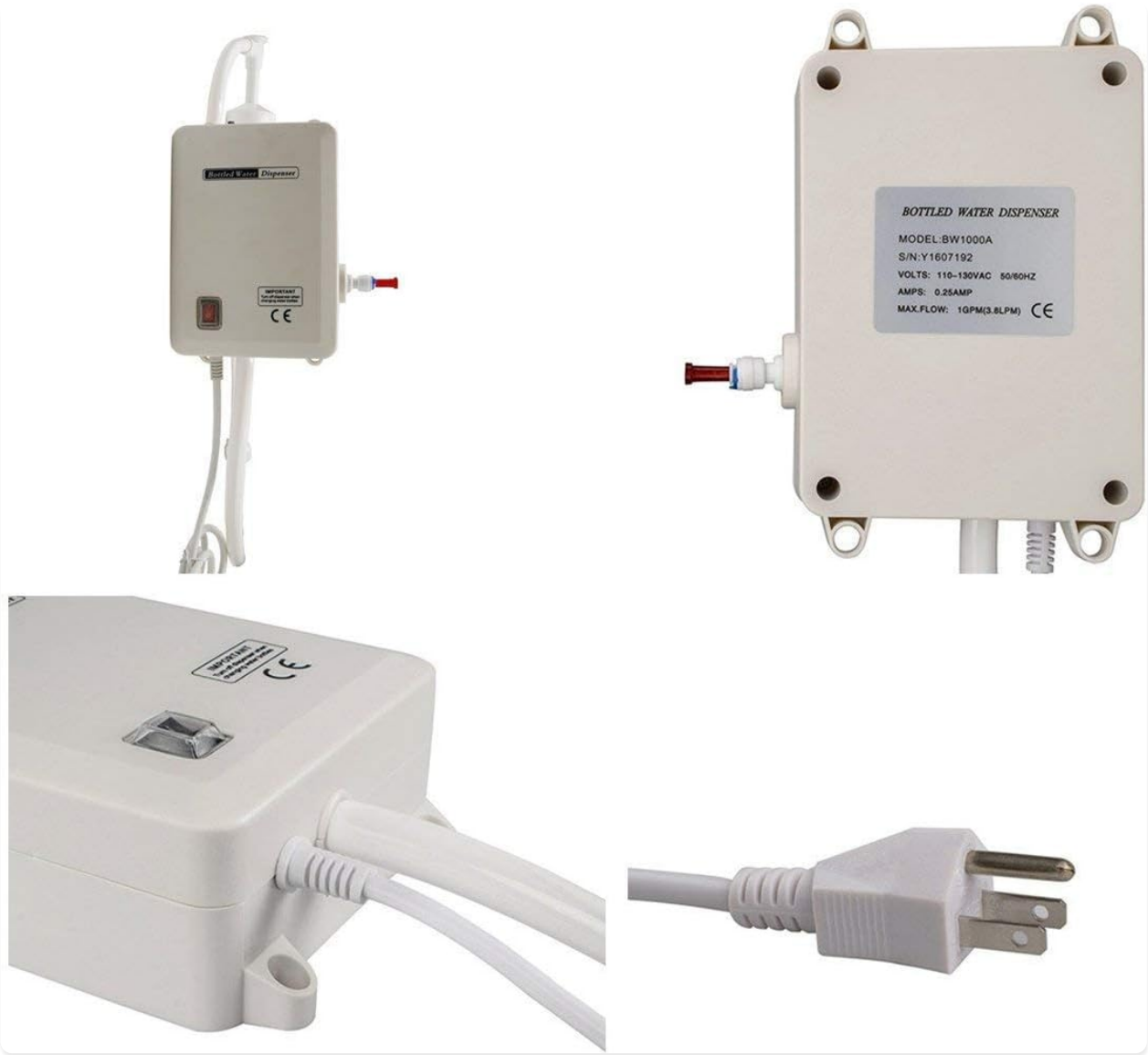


Image: Detailed view of the pump unit, showing the power switch, CE marking, and connection ports for the inlet and outlet hoses.

Note: No official seller videos demonstrating setup or installation were available for direct embedding.

5. Operating Instructions

Once installed, operating the TDRFORCE water dispenser is straightforward:

1. **Power On:** Ensure the pump unit is plugged into a live AC outlet. Locate the power switch on the pump unit and turn it to the "ON" position.
2. **Automatic Operation:** The pump will automatically detect the water level in the 5-gallon jug and activate to supply water to your connected appliance as needed.
3. **Dry Pumping Protection:** The system is equipped with dry pumping protection. If the water level in the jug becomes too low, the pump will automatically shut off to prevent damage.
4. **Refilling:** When the water jug is empty, replace it with a full 5-gallon jug. The pump will automatically restart once a new jug is connected and water is detected.



Image: Examples of the water dispenser system in use, providing water to a refrigerator and a coffee maker.

Note: No official seller videos demonstrating operation were available for direct embedding.

6. Maintenance

To ensure the longevity and optimal performance of your TDRFORCE water dispenser, follow these maintenance guidelines:

- **Restarting After Disuse:** If the pump has been unused for a long period, it may require manual priming. Fill water into the pump manually to restart its operation.
- **Regular Cleaning:** Periodically inspect and clean the inlet and outlet hoses, as well as the bottle cap assembly, to prevent mineral buildup or blockages. Use mild soap and water, and rinse thoroughly.
- **Component Inspection:** Regularly check all connections and hoses for any signs of wear, leaks, or damage. Replace any compromised parts immediately.

7. Troubleshooting

If you encounter issues with your TDRFORCE water dispenser, refer to the following common troubleshooting tips:

- **Pump Not Working:**
  - Ensure the pump is properly plugged into a live AC outlet.
  - Check if the power switch on the pump unit is in the "ON" position.
  - Verify that the 5-gallon water jug is not empty. The pump will shut off if the jug is dry.
  - If the pump has been unused for a long time, manually fill water into the pump to restart it (prime the pump).
- **Low Water Flow:**
  - Check for kinks or blockages in the inlet or outlet hoses.
  - Ensure the bottle cap assembly is securely sealed on the water jug.
  - Verify that the water jug contains sufficient water.
- **Unusual Noise:**
  - Ensure the pump unit is placed on a stable, flat surface.
  - Check for any loose connections or components.
  - If the pump is running dry, it may produce unusual noise. Refill the water jug.

If problems persist after attempting these solutions, please contact TDRFORCE customer support for assistance.

8. Specifications

Attribute	Detail
Model Number	BW1000A-1
Color	White
Material	Polyethylene (PE)
Capacity	5 Gallons (compatible jug size)
Product Dimensions (D x W x H)	10.33"D x 3.58"W x 23.56"H
Style	Single-Tube
Wattage	55 watts
Installation Type	Under Sink
Access Location	Bottom
Number of Settings	1
Power Source	AC
Item Weight	4.84 pounds
Country of Origin	China
UPC	614993999434, 666389994875

9. Warranty and Support

TDRFORCE, as a professional manufacturer in the home water pump field, offers comprehensive presale and after-sale services.

- **Warranty:** This product comes with a 180-day warranty from the date of purchase.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact TDRFORCE customer support. Refer to the product packaging or the official TDRFORCE website for the most current contact information.