

BWT 812495

BWT Aquameter HF Water Filter Meter 3/8" User Manual

Model: 812495

1. INTRODUCTION

The BWT Aquameter HF 3/8" is a digital water meter designed for high-flow water systems, including main water lines, commercial kitchens, and multi-machine setups. It accurately tracks water consumption, displaying remaining filter capacity on an integrated LCD screen to facilitate timely filter replacements. This battery-powered unit (CR2032) offers flexible installation without the need for external wiring. It is compatible with BWT Bestmax and Besttaste filters, ensuring consistent water quality and equipment protection.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Ensure all connections are secure and leak-free to prevent water damage.
- Do not expose the Aquameter to extreme temperatures or direct sunlight.
- Only use the specified CR2032 battery for power.
- Installation should be performed by qualified personnel if you are unsure.
- Observe the flow direction arrow on the sensor during installation.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- BWT Aquameter HF display unit
- Flow sensor (3/8" connections)
- Connecting cable
- CR2032 battery (may be pre-installed or separate)
- Sealing washers



Image 3.1: BWT Aquameter HF components.

4. PRODUCT OVERVIEW

The BWT Aquameter HF consists of two main parts: the display unit and the flow sensor.

4.1 Display Unit

The display unit features an LCD screen for showing remaining capacity and two control buttons:

- **PROG Button:** Used for entering programming mode and adjusting settings.
- **RESET Button:** Used to reset the meter after a filter change or to confirm settings. A long press (min 3 sec) is typically required for reset.

4.2 Flow Sensor

The flow sensor measures the water passing through it. It has 3/8" connections and an arrow indicating the correct direction of water flow. The sensor connects to the display unit via a cable.



Image 4.1: BWT Aquameter HF display unit and flow sensor.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment on the back of the display unit.
2. Open the compartment cover.
3. Insert one CR2032 battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2 Flow Sensor Installation

1. Identify the water line where the Aquameter will be installed. Ensure the water supply is turned off before proceeding.
2. Cut the water line and prepare the 3/8" connections.
3. Insert the sealing washers into the sensor connections.
4. Connect the flow sensor into the water line, ensuring the arrow on the sensor points in the direction of water flow. Tighten connections securely to prevent leaks.

5. Connect the cable from the flow sensor to the designated port on the display unit.

5.3 Mounting the Display Unit

The display unit can be mounted on a wall or cabinet using appropriate fasteners (not included). Choose a location that is easily accessible for viewing and programming.



Image 5.1: Example installation of the Aquameter display unit.



Image 5.2: Aquameter and filter installed in an under-sink setup.

5.4 Initial Programming

After installation, program the Aquameter according to your specific filter and water hardness settings. Refer to your filter's documentation for its rated capacity.

1. Press and hold the **PROG** button until the display enters programming mode.
2. Use the **PROG** button to cycle through settings (e.g., total filter capacity in liters).
3. Use the **RESET** button to adjust the value for the selected setting.
4. Repeat for all necessary settings, such as water hardness if your filter requires this input.
5. Once all settings are configured, press and hold the **PROG** button again to save and exit programming mode.

6. OPERATING

6.1 Reading the Display

The LCD display shows the remaining capacity of your water filter in liters. As water flows through the sensor, this value will decrease. When the capacity reaches a low level or zero, it indicates that a filter change is due.

6.2 Resetting the Meter

After replacing your water filter, the Aquameter must be reset to its full capacity. To do this:

1. Ensure the new filter is installed correctly.
2. Press and hold the **RESET** button for at least 3 seconds.
3. The display will show the full programmed capacity, indicating a successful reset.

7. MAINTENANCE

7.1 Filter Replacement

Replace your water filter cartridge when the Aquameter indicates that the remaining capacity is low or depleted. Follow the specific instructions provided with your BWT filter cartridge for replacement procedures.

7.2 Battery Replacement

When the display becomes dim or stops functioning, it is time to replace the CR2032 battery. Follow the battery installation steps in Section 5.1.

7.3 Cleaning

Wipe the exterior of the display unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

8. TROUBLESHOOTING

- Display is blank:** Check or replace the CR2032 battery. Ensure the battery is inserted with correct polarity.
- No flow reading:** Verify that the flow sensor is installed correctly with the arrow pointing in the direction of water flow. Check for any blockages in the water line or sensor. Ensure the sensor cable is securely connected to the display unit.
- Incorrect readings:** Re-check the programming settings (filter capacity, water hardness) as described in Section 5.4. Ensure the correct filter type is being used for the programmed settings.
- Leaks at connections:** Turn off water supply immediately. Check all connections for proper tightening and ensure sealing washers are correctly seated and not damaged.

9. SPECIFICATIONS

| Feature | Specification |
|-----------------------------------|---------------------------------------|
| Model Number | 812495 |
| Material | Acrylonitrile Butadiene Styrene (ABS) |
| Product Dimensions (Display Unit) | 2.4"D x 4.8"W x 4.1"H |
| Item Weight | 7.2 ounces |
| External Testing Certification | NSF |
| Flow Rate | 100–700 liters/hour (l/h) |
| Connection Size | 3/8" |
| Battery Type | CR2032 |

10. WARRANTY

For specific warranty details regarding your BWT Aquameter HF, please refer to the warranty information provided with your purchase documentation or contact your authorized BWT dealer. Keep your proof of purchase for warranty claims.

11. SUPPORT

Should you require technical assistance, have questions about installation, or need further information about BWT products, please visit the official BWT website or contact your local BWT distributor. You can find more information at www.bwt.com.

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