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ZeroWater ZBD-040-1

ZeroWater 40-Cup Ready-Pour 5-Stage Glass Water Filter Dispenser User Manual

Model: ZBD-040-1

Introduction Safety Information Package Contents Setup Operating Instructions Filtration Process Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

The ZeroWater 40-Cup Ready-Pour 5-Stage Glass Water Filter Dispenser provides advanced water filtration for your home. This system is designed to reduce virtually all total dissolved solids (TDS) from your tap water, delivering pure-tasting water. Featuring a convenient Ready-Pour™ technology, you can dispense filtered water while the reservoir continues to filter. It is IAPMO Certified to reduce lead, chromium, PFOA/PFOS, and mercury, ensuring high-quality drinking water.

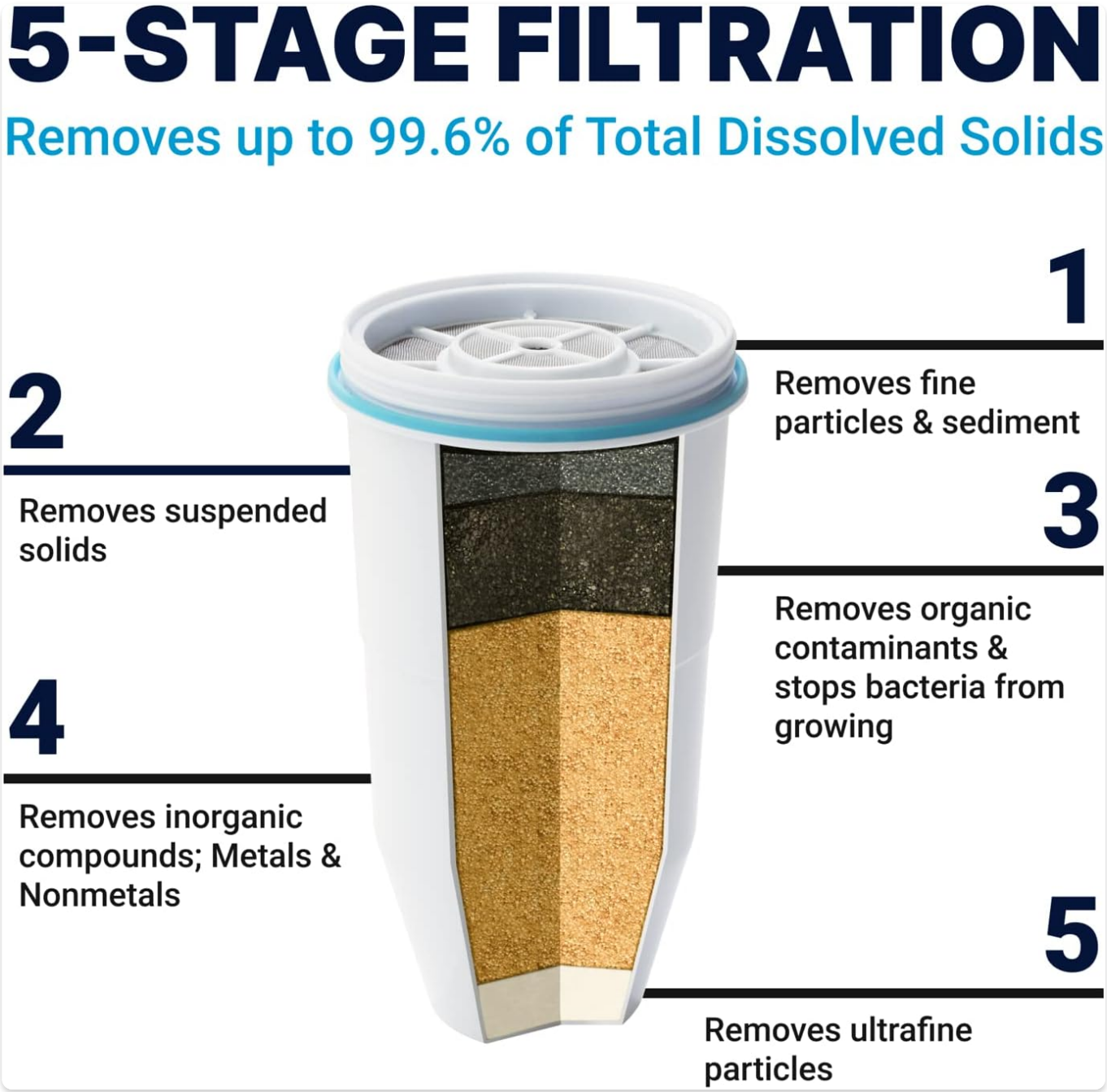

Figure 1: ZeroWater 40-Cup Ready-Pour 5-Stage Glass Water Filter Dispenser.

2. Safety Information

- Read all instructions before use.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Keep out of reach of children.
- Handle glass components with care to prevent breakage.
- Ensure the spigot is properly installed and tightened to prevent leaks.
- Do not expose the dispenser to extreme temperatures.

3. Package Contents

Verify that all items are included in your package:

- 1 x 40-Cup Glass Dispenser
- 1 x 5-Stage Ion Exchange Water Filter
- 1 x TDS Meter (Total Dissolved Solids)
- 1 x Stainless Steel Lid
- 1 x Dispenser Base
- 1 x Spigot (pre-installed or separate)

4. Setup

Follow these steps to assemble your ZeroWater dispenser:

1. **Unpack Components:** Carefully remove all parts from the packaging.
2. **Wash Components:** Wash the glass dispenser, lid, and plastic reservoir with mild soap and warm water. Rinse thoroughly. Do not wash the filter or TDS meter.
3. **Install Spigot (if separate):**
    - Ensure the spigot has two seals and two washers.
    - Slide one washer and one seal onto the spigot.
    - Insert the threaded pipe of the spigot through the hole in the glass dispenser.
    - From the inside of the dispenser, slide the second seal and washer onto the threaded pipe.
    - Hand-tighten the nut onto the threaded pipe until snug. Continue tightening carefully to compress both seals and create a watertight fit. Avoid overtightening to prevent glass damage.
4. **Install Filter:**
    - Remove the 5-stage filter from its protective packaging.
    - Twist the filter into the bottom of the plastic reservoir until there is a complete seal between the filter, o-ring, and reservoir. Do not overtighten.
5. **Place Reservoir:** Place the assembled reservoir with the filter into the top opening of the glass dispenser.
6. **Position Dispenser:** Place the glass dispenser onto its base on a stable, flat surface.

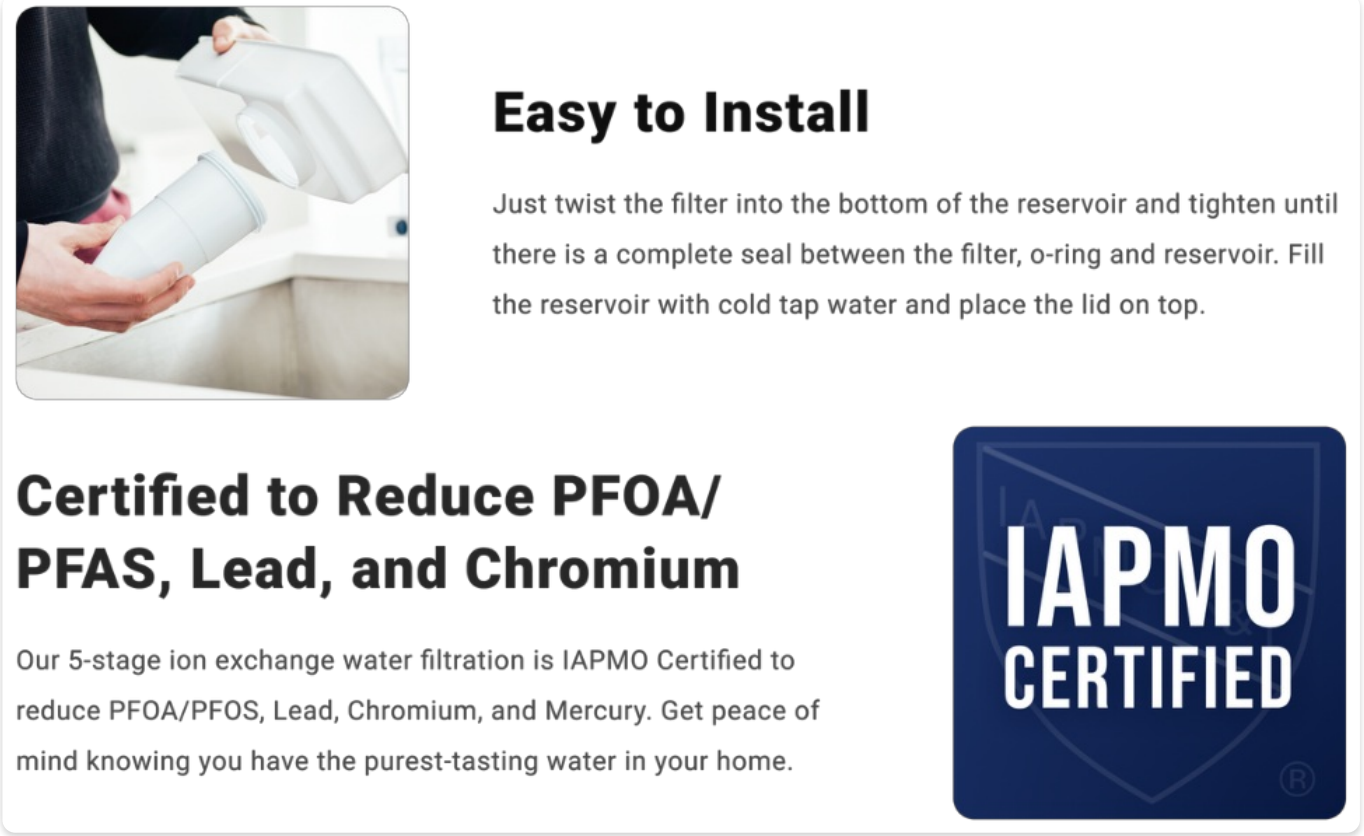

Figure 2: Illustration of filter installation into the reservoir.

5. Operating Instructions

1. **Fill Reservoir:** Pour cold tap water into the top plastic reservoir. The water will slowly filter through the 5-stage filter into the glass dispenser below.
2. **Ready-Pour Technology:** The unique design allows you to dispense filtered water from the spigot even while the upper reservoir is still filtering.
3. **Dispense Water:** Place a glass under the spigot and push the lever to dispense filtered water.
4. **Test TDS (Optional, Recommended):** Use the included TDS meter to periodically check the Total Dissolved Solids level of your filtered water. A reading of 000 indicates pure filtered water.



Figure 3: Dispensing water from the ZeroWater dispenser.

6. 5-Stage Filtration Process

The ZeroWater filter utilizes a comprehensive 5-stage filtration system to remove virtually all dissolved solids:

1. **Stage 1: Coarse Filter Screen** - Removes fine particles and sediment.
2. **Stage 2: Foam Distributor** - Removes additional suspended solids and evenly distributes water.
3. **Stage 3: Multi-Layer Activated Carbon & Oxidation Reduction Alloy** - Removes organic contaminants such as pesticides, herbicides, mercury, chlorine, and chloramine, and inhibits bacterial growth.
4. **Stage 4: Dual Ion-Exchange Resin** - Removes inorganic compounds including metals (like lead and chromium), nonmetals, and radiological contaminants.
5. **Stage 5: Ultra-Fine Screen & Non-Woven Membrane** - Removes remaining suspended solids and holds the resin in place.

This advanced filtration is IAPMO Certified to reduce PFOA/PFOS, lead, chromium, and mercury, ensuring the purest tasting water.

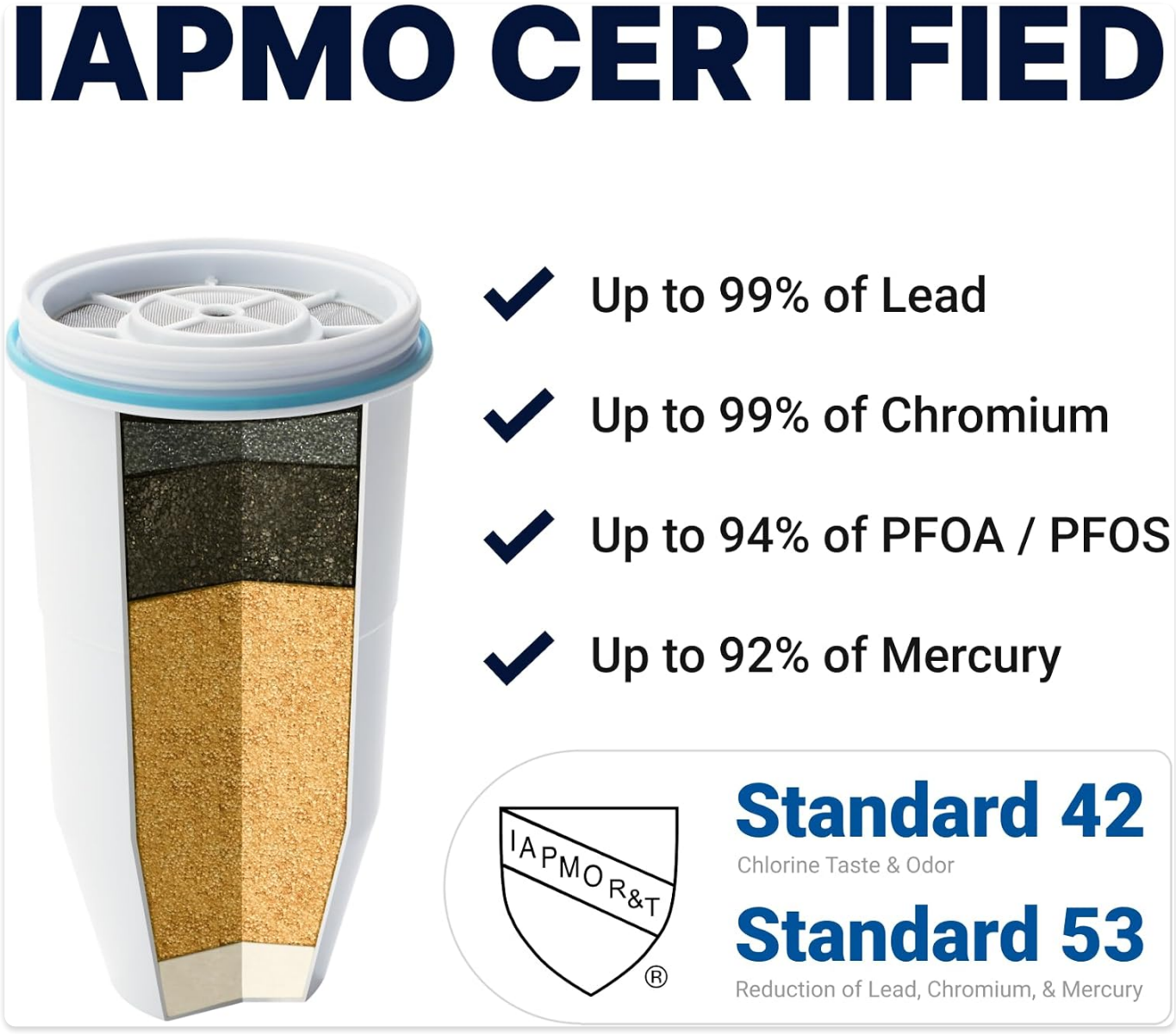

Figure 4: Detailed diagram of the 5-stage filtration system.



Figure 5: Certification details for contaminant reduction.

7. Maintenance

7.1 Filter Replacement

The filter needs to be replaced when the TDS meter reads 006 or higher. The lifespan of your filter depends on your tap water's initial TDS level. Use the included TDS meter to regularly check your water quality.

1. **Test Water:** Fill a clean glass with filtered water from the dispenser. Turn on the TDS meter and dip it into the water. Note the reading.
2. **Remove Old Filter:** Lift the upper reservoir from the glass dispenser. Unscrew the old filter from the bottom of the reservoir.
3. **Install New Filter:** Screw a new 5-stage filter into the bottom of the reservoir until snug.
4. **Reassemble:** Place the reservoir back into the glass dispenser and refill with tap water.



Figure 6: Use the TDS meter to determine when to change your filter.

7.2 Cleaning

Clean the glass dispenser and plastic reservoir regularly with mild soap and warm water. Rinse thoroughly to remove any soap residue. Do not use abrasive cleaners or scrubbers that could scratch the surfaces.

8. Troubleshooting

Problem	Possible Cause	Solution
Slow water flow from filter.	Filter is clogged or nearing end of life.	Check TDS reading. If 006 or higher, replace filter. If new, ensure proper installation.
Water leaks from spigot.	Spigot not tightened correctly or seals are damaged.	Ensure spigot is hand-tightened firmly with both seals in place. Check seals for damage and replace if necessary.
Filtered water tastes unusual (e.g., citrusy).	Filter is exhausted.	Replace the filter immediately.
TDS meter reads higher than 000 for new filter.	Filter not properly seated or defective.	Re-install filter, ensuring a tight seal. If problem persists, contact customer support.

9. Specifications

- **Brand:** ZeroWater
- **Model Name:** Room Temperature Water Dispenser
- **Model Number:** ZBD-040-1
- **Capacity:** 40-Cup / 9.4 Liters
- **Material:** Glass (Dispenser), Plastic (Reservoir, Filter Housing), Stainless Steel (Lid, Base)
- **Product Dimensions (L x W x H):** 11" x 9.75" x 19.75" (27.94 cm x 24.76 cm x 50.16 cm)
- **Item Weight:** 9.2 Pounds (4.17 kg)
- **Purification Method:** 5-Stage Ion Exchange
- **Special Features:** Built-in TDS Meter, Change Filter Indicator, Ready-Pour Technology, IAPMO Certified



Figure 7: Product dimensions and key features.

10. Warranty & Support

Warranty Description: 90 Day Manufacturer Limited Warranty.
For customer support, replacement parts, or warranty claims, please visit the official ZeroWater website or contact their customer service department. Keep your proof of purchase for warranty validation.
Manufacturer: Zero Technologies, LLC

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