

## BWT BWT Bestmax XL (Model 2955-b2b)

# BWT Bestmax XL Premium Filter Cartridge User Manual

Brand: BWT | Model: Bestmax XL (Model 2955-b2b)

## 1. PRODUCT OVERVIEW

The BWT Bestmax XL Premium Filter Cartridge is designed to provide high-quality water for coffee and vending machines. It features a 5-stage filtration process that ensures reliable limescale protection, removes particles, and enhances water taste through patented BWT Magnesium Technology.



Figure 1: BWT Bestmax XL Premium Filter Cartridge

This image displays the BWT Bestmax XL Premium Filter Cartridge, a tall, cylindrical white bottle with a brown label. The label features the BWT logo and "bestmax XL PREMIUM" text, along with multilingual descriptions of its benefits. The cartridge is designed for water filtration in professional settings.

## Key Features:

- **Limescale Protection:** Effectively reduces limescale buildup, protecting your equipment.
- **BWT Magnesium Technology:** Mineralizes water with magnesium for improved coffee extraction and taste.
- **5-Stage Filtration:** Ensures crystal-clear water by removing particles, organic substances, chlorine, and bad odors.
- **Activated Charcoal Fleece:** Contributes to consistently clear water.

## 2. INSTALLATION AND SETUP

This section provides general guidelines for installing the BWT Bestmax XL filter cartridge. For detailed instructions specific to your water system and filter head, always refer to the documentation provided with your BWT filter head and plumbing system.

## General Installation Steps:

1. **Turn Off Water Supply:** Locate the main water shut-off valve for your espresso machine or vending system and turn it off.
2. **Depressurize System:** Open a faucet or valve downstream from the filter installation point to release any residual water pressure.
3. **Mount Filter Head:** Securely mount the BWT filter head (sold separately) to a sturdy wall or frame using appropriate hardware. Ensure it is level and easily accessible for cartridge replacement.
4. **Connect Water Lines:** Connect the incoming water line to the "IN" port of the filter head and the outgoing water line to the "OUT" port. Use appropriate fittings and ensure all connections are watertight.
5. **Insert Filter Cartridge:** Remove the protective cap from the new BWT Bestmax XL filter cartridge. Insert the cartridge into the filter head, ensuring it is properly seated and aligned.
6. **Secure Cartridge:** Twist or lock the cartridge into place according to the filter head's design. Some systems may require a filter wrench to tighten the housing.
7. **Flush the Filter:** Slowly turn on the main water supply. Allow water to flow through the filter and out of a downstream faucet for several minutes (e.g., 5-10 liters) to flush out any air and fine carbon particles. This is crucial before connecting to your appliance.
8. **Check for Leaks:** Carefully inspect all connections for any signs of leaks.
9. **Adjust Bypass Setting (if applicable):** If your filter head has a bypass setting, adjust it according to your water hardness and desired filtration level. Refer to the filter head manual for specific recommendations.

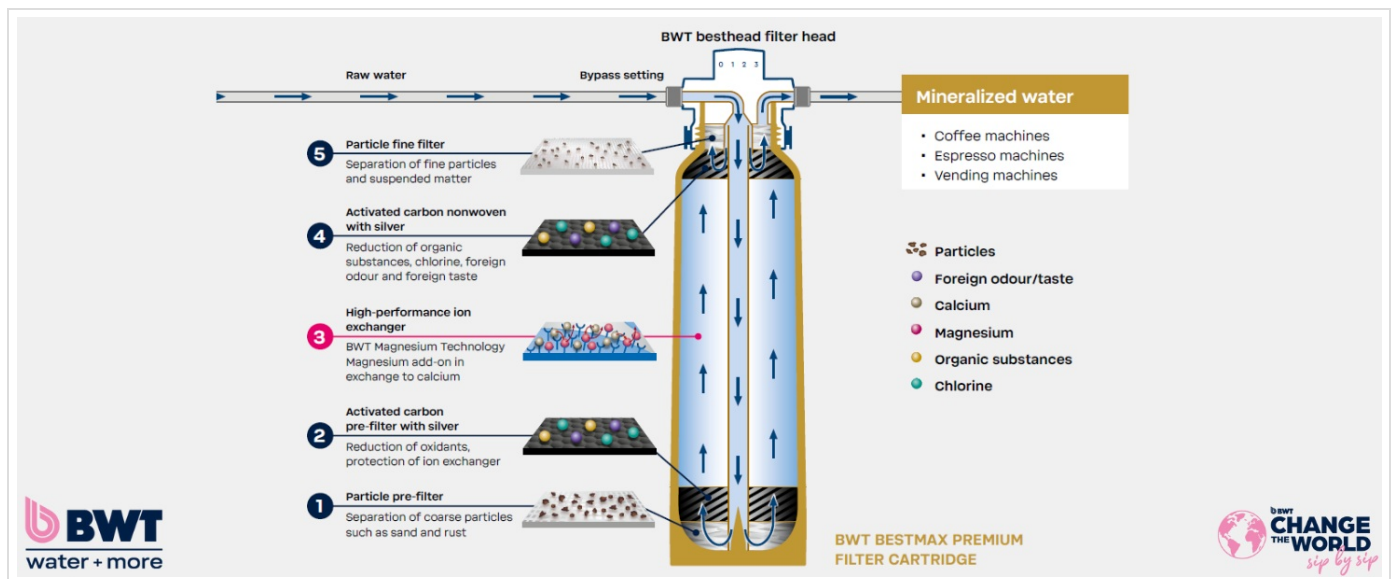


Figure 2: Internal Diagram of BWT Bestmax Premium Filter Cartridge

This diagram illustrates the 5-stage filtration process of the BWT Bestmax Premium filter. It shows raw water entering, passing through a particle pre-filter, activated carbon pre-filter with silver, high-performance ion exchanger with BWT Magnesium Technology, activated carbon nonwoven with silver, and a particle fine filter before exiting as mineralized water. Key elements removed or added are indicated, such as particles, foreign odor/taste, calcium, magnesium, organic substances, and chlorine.

## 3. OPERATION

Once installed and flushed, the BWT Bestmax XL filter operates continuously to provide filtered water to your connected appliance. No specific user interaction is required during normal operation.

### Water Quality:

- The filter ensures consistent water quality, reducing substances that impair taste and aroma.

- Magnesium mineralization contributes to optimal extraction results for coffee and enhances the overall sensory experience of hot beverages.

## 4. MAINTENANCE AND FILTER REPLACEMENT

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Regular replacement of the filter cartridge is essential to maintain optimal water quality and protect your equipment. The replacement frequency depends on water usage and local water hardness.

### Replacement Schedule:

- It is recommended to replace the filter cartridge regularly after **6 months**, but at the latest after **12 months**, or when the filter capacity is reached.
- Monitor your water quality and flow rate. A noticeable decrease in water quality (taste, odor) or flow indicates that the filter capacity may be exhausted.

### Filter Replacement Steps:

1. **Turn Off Water Supply:** Turn off the main water supply to the filter system.
2. **Depressurize System:** Open a downstream faucet to release pressure from the system.
3. **Remove Old Cartridge:** Use a filter wrench (if necessary) to unscrew the filter housing or release the locking mechanism of the filter head. Carefully remove the old cartridge.
4. **Clean Housing (if applicable):** If your system uses a housing, clean it thoroughly before inserting the new cartridge.
5. **Insert New Cartridge:** Remove the protective cap from the new BWT Bestmax XL filter cartridge and insert it into the filter head, ensuring proper seating.
6. **Secure Cartridge:** Secure the new cartridge by twisting or locking it into place. Tighten the housing with a filter wrench if required, but do not overtighten.
7. **Flush the Filter:** Slowly turn on the main water supply. Flush the new filter cartridge by allowing water to run for several minutes (e.g., 5-10 liters) to remove air and carbon fines.
8. **Check for Leaks:** Inspect all connections for leaks.

## 5. TROUBLESHOOTING

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This section addresses common issues you might encounter with your BWT Bestmax XL filter cartridge.

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged filter cartridge.	Replace the filter cartridge.
	Air trapped in the system.	Flush the filter system by running water for several minutes.
Unpleasant Taste or Odor	Filter cartridge capacity exhausted.	Replace the filter cartridge.
	Improper initial flushing.	Flush the filter system thoroughly.
Water Leaks	Loose connections or damaged O-rings.	Check all connections and tighten them. Inspect and replace O-rings if damaged. Ensure the cartridge is properly seated.

6. SPECIFICATIONS

Attribute	Detail
Brand	BWT
Model Number	2955-b2b
Size	XL
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Weight	2.8 Kilograms (6.16 pounds)
Product Dimensions	16 x 50 x 16 inches
External Testing Certification	FDA
Product Benefits	Reduces Limescale, Removes Particles, Improves Taste for Coffee and Hot Beverages
Unit Count	1.0 Count
Number of Items	1
Manufacturer	BWT Best Water Technology
Filter Change Recommendation	After 6 or 12 months, or when capacity is reached.



Figure 3: BWT Bestmax Filter Capacity in Liters

This table provides the filter capacity in liters for different BWT Bestmax filter sizes (S, V, M, XL, 2XL) for various applications, including coffee and hot beverages. The XL size, for example, shows a capacity of 3,340 liters for coffee and 2,785 liters for hot beverages.

SETTINGS AND CAPACITIES/L<sup>(1)</sup>

Vending, without steam generation			Size				
German total hardness	Bypass		S	V	M	XL	2XL
≤7	3	≥ 1285	≥ 3085	≥ 4625	≥ 7370	≥ 12000	
8	3	1125	2700	4050	6450	10500	
10	3	900	2160	3240	5160	8400	
12	3	680	1690	2450	3900	6350	
14	3	580	1400	2100	3340	5440	
17	3	430	1035	1550	2470	4025	
20	3	365	880	1320	2100	3420	
23	3	315	765	1145	1825	2975	
≥25	2	≤ 290	≤ 700	≤ 1055	≤ 1680	≤ 2735	

Hot beverage preparation with steam generation			Size				
German total hardness	Bypass		S	V	M	XL	2XL
≤7	3	≥ 1070	≥ 2570	≥ 3855	≥ 6140	≥ 10000	
8	3	935	2250	3375	5375	8750	
10	3	750	1800	2700	4300	7000	
12	2	565	1360	2040	3250	5290	
14	2	485	1165	1750	2785	4535	
17	1	355	860	1290	2060	3355	
20	1	305	730	1100	1750	2850	
23	1	265	635	955	1520	2480	
≥25	1	≤ 240	≤ 585	≤ 880	≤ 1400	≤ 2280	

130 mm

Connections: 3/8" X 3/8"

Horizontal or vertical installation

65 mm\*

\* with wall mounting

**Operating conditions**

Input pressure: 2 – 8 bar

Water temperature: 4 – 30 °C

Ambient temperature: 4 – 40 °C

<sup>(1)</sup> Capacities may deviate by up to ±5 % depending on the local water quality and volume flow. Subject to change.

Figure 4: BWT Bestmax Settings and Capacities

This table details the settings and capacities for BWT Bestmax filters based on German total hardness and bypass settings, for both vending without steam generation and hot beverage preparation with steam generation. It also includes operational conditions such as input pressure, water temperature, and ambient temperature.

## 7. WARRANTY AND SUPPORT

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Specific warranty information for the BWT Bestmax XL Premium Filter Cartridge is typically provided with the product packaging or available on the official BWT website. For technical support, product inquiries, or warranty claims, please contact BWT customer service or your authorized dealer.

Please retain your proof of purchase for any warranty-related issues.