

BWT 11433

# BWT Perla One 11433 Water Softener User Manual

Model: 11433 | Brand: BWT

## 1. INTRODUCTION

The BWT Perla One 11433 Water Softener is designed to effectively reduce limescale in your drinking water system, contributing to improved well-being and preserving the value of your home appliances and sanitary installations. This model is suitable for areas with moderately hard water and for installations preceding a water heater, catering to low demands.

By installing the Perla One, you can significantly extend the lifespan of water-carrying household appliances, reduce maintenance requirements, and lower energy consumption. A mere two-millimeter layer of limescale on heating surfaces can increase energy consumption by up to 20%.

**Key Benefits:**

- Noticeably soft skin and supple, shiny hair.
- Cozy and soft laundry.
- Fewer limescale deposits on faucets, tiles, and pipe installations.
- Sparkling glasses and shiny dishes.
- Increased lifespan of household appliances.
- Up to 50% less consumption of detergents, cleaning agents, and washing-up liquids.
- Reduced energy and heating costs.

## 2. SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in property damage, injury, or improper operation of the device.

- **Professional Installation:** Installation should be performed by a qualified professional in accordance with local plumbing and electrical codes.
- **Water Pressure:** Ensure the water pressure in your home is within the operating limits specified for the device.
- **Electrical Safety:** If electrical connections are required, ensure they are made by a qualified electrician and comply with all local regulations. Disconnect power before servicing.

- **Chemical Handling:** Use only BWT-approved regeneration salt. Avoid contact with eyes and skin. Store salt in a dry, cool place, out of reach of children and pets.
- **Leak Detection:** Regularly inspect the system for any signs of leaks. Address any leaks immediately to prevent water damage.
- **Children and Pets:** Keep children and pets away from the water softener, especially during regeneration cycles or when handling salt.

### 3. PACKAGE CONTENTS

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Verify that all components listed below are present in your package:

- 1 x BWT Perla One Water Softener System
- 1 x Multiblock X DN 32
- 1 x Connection Kit DN 32/32 DVGW
- 1 x AQA Hardness Tester
- 1 x 2m Flush Hose
- 1 x 2m Overflow Hose (18 x 24 mm)
- 1 x Mounting Material
- 1 x BWT Siphon



*Image 1: BWT Perla One Water Softener System. This image shows the compact, white and blue exterior of the BWT Perla One water softener.*



*Image 2: Multiblock X DN 32 and Connection Kit. This image displays the brass valve assembly with a green handle and additional connection pieces, part of the included connection kit.*



*Image 3: Flexible Hoses. Two flexible metal hoses with threaded connectors are shown, used for connecting the water softener to the main water supply.*



*Image 4: BWT Siphon and Overflow Hose Component. This image shows a white plastic siphon component with a grey pipe extension, used for drainage.*



*Image 5: Mounting Material. Various mounting components including metal clamps, screws, wall plugs, and rubber washers are displayed.*



Image 6: AQA Hardness Tester Kit. This image shows a small test tube and two dropper bottles, labeled 'AQA test solution A' and 'B', used for measuring water hardness.

## 4. SETUP

The BWT Perla One water softener is designed for standalone installation. It is recommended that installation be carried out by a certified plumber.

### 4.1. Choosing an Installation Location

- Select a dry, level, and frost-free location near the main water supply inlet.
- Ensure adequate space for maintenance, salt replenishment, and access to connections.
- The location must have access to a suitable drain for the regeneration wastewater.

### 4.2. Connecting to Water Supply

1. Shut off the main water supply to your home.
2. Install the Multiblock X DN 32 and the Connection Kit DN 32/32 DVGW according to the provided diagrams (not included in this manual, refer to separate installation guide).



3. Connect the water softener's inlet and outlet to the plumbing system using the flexible hoses. Ensure all connections are secure and watertight.

#### 4.3. Drain and Overflow Connections

1. Connect the 2m Flush Hose and the 2m Overflow Hose (18 x 24 mm) to the designated ports on the softener.
2. Route these hoses to a suitable drain, ensuring there is an air gap to prevent back-siphonage. Install the BWT Siphon as per local regulations.

#### 4.4. Adding Regeneration Salt

1. Open the lid of the water softener.
2. Fill the storage tank with BWT-approved regeneration salt. The tank can hold up to 32 kg of salt.
3. Close the lid securely.



*Image 7: BWT Perla One with lid open. This image shows the water softener with its top lid open, revealing the internal brine tank where regeneration salt is added.*

#### 4.5. Initial Startup and Programming

1. Slowly open the main water supply valve to allow water to fill the softener. Check for leaks.

2. Plug in the power cord (if applicable). The microprocessor control will guide you through the initial setup.
3. Use the AQA Hardness Tester to determine your incoming water hardness.
4. Program the water softener with your specific water hardness settings using the control panel. Refer to the separate programming guide for detailed instructions.
5. Initiate a manual regeneration cycle to flush the system and prepare it for operation.

## 5. OPERATING

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The BWT Perla One operates automatically once properly set up. It uses AQA Perla technology with microprocessor control for efficient and easy operation.

### 5.1. Automatic Softening

The system continuously monitors water usage and automatically initiates regeneration cycles as needed. It offers 24 hours of soft water operation for 1 to 2 residential units.

### 5.2. Regeneration Process

During regeneration, the softener flushes the resin bed with a brine solution to remove accumulated hardness minerals. This process is typically scheduled for times of low water usage (e.g., late at night) to minimize inconvenience. The intelligent regeneration system ensures economical use of salt and rinse water.

### 5.3. Monitoring Salt Levels

Regularly check the salt level in the brine tank. When the salt level is low, replenish it with BWT-approved regeneration salt to ensure continuous soft water supply. The system may provide an indicator for low salt levels.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your BWT Perla One water softener.

### 6.1. Salt Replenishment

As mentioned in the operating section, regularly check and replenish the salt in the brine tank. It is recommended to keep the tank at least one-quarter full. Use only high-quality water softener salt.

### 6.2. Brine Tank Cleaning

Periodically (e.g., once a year), inspect and clean the brine tank. This involves removing any salt crusts or sediment that may accumulate at the bottom. Refer to the detailed cleaning instructions in the full product manual.

### 6.3. System Inspection

Annually, inspect all connections, hoses, and valves for any signs of wear, corrosion, or leaks. Ensure the drain line is clear and free of obstructions. If any issues are found, contact a qualified service technician.

### 6.4. Resin Bed Maintenance

While the resin bed is designed for long-term use, certain conditions (e.g., high iron content in water) may require specialized cleaning or replacement over time. Consult a professional if you suspect issues with the resin bed.

## 7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your BWT Perla One water softener.

Problem	Possible Cause	Solution
Water is not soft	Low salt level Incorrect hardness setting System bypassed Power outage	Add salt to the brine tank Check and adjust hardness setting Ensure bypass valve is in service position Check power supply and reset time/settings
Excessive salt consumption	Incorrect hardness setting Frequent regeneration cycles	Verify and adjust hardness setting Consult manual for regeneration frequency adjustment or contact support
Low water pressure	Clogged pre-filter (if installed) Resin bed issues Partially closed bypass valve	Clean or replace pre-filter Contact service technician Ensure bypass valve is fully open in service position
Water in brine tank is too high	Clogged drain line Malfunctioning float switch	Clear drain line obstruction Contact service technician

If you encounter a problem not listed here or if the suggested solutions do not resolve the issue, please contact BWT customer support or a qualified service technician.

## 8. SPECIFICATIONS

Brand	BWT
Model Name	11433




<b>Item Model Number</b>	11433
<b>Special Feature</b>	Microprocessor control for easy operation
<b>Material</b>	Perla
<b>Installation Type</b>	Standalone
<b>Purification Method</b>	Ion Exchange
<b>Maximum TDS Level Supported (PPM)</b>	300
<b>Included Components</b>	BWT Perla One Water Softener System, Multiblock X DN 32, Connection Kit DN 32/32 DVGW, AQA Hardness Tester, 2m Flush Hose, 2m Overflow Hose 18 x 24 mm, Mounting Material, BWT Siphon
<b>Spare Parts Availability</b>	Information unavailable
<b>ASIN</b>	B0854LLHXM
<b>International Article Code</b>	04050808114337
<b>Date First Available on Amazon.com.be</b>	June 11, 2022

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact BWT customer service directly. Details regarding spare parts availability are not provided in the product specifications.

For technical support, service, or to inquire about spare parts, please contact your local BWT distributor or visit the official BWT website. Keep your purchase receipt and model number (11433) handy when contacting support.

## Related Documents

	<p><a href="#">BWT MONO SOFT Water Softener: Operation &amp; Installation Guide</a></p> <p>Comprehensive guide for the BWT MONO SOFT water softener, covering installation, setup, operation, maintenance, and technical specifications. Ensure optimal performance and water quality.</p>
	<p><a href="#">BWT Perla Water Softener Registration Quick Guide</a></p> <p>A quick guide to registering your BWT Perla water softener, covering initial setup, Wi-Fi/LAN connection, user registration, and app activation for optimal performance and service notifications.</p>
	<p><a href="#">BWT AQUADIAL softlife: Mounting and Operating Instructions</a></p> <p>This document provides comprehensive installation, operation, and maintenance instructions for the BWT AQUADIAL softlife automatic water softeners, available in models 10, 15, 20, and 25. It covers safety guidelines, setup procedures, troubleshooting, and technical specifications.</p>
	<p><a href="#">Manuel de Montage et d'Utilisation ELITE Plus 210-290 iR Compact</a></p> <p>Ce manuel fournit des instructions détaillées pour le montage, l'utilisation, l'entretien et le dépannage de l'adoucisseur d'eau BWT ELITE Plus 210-290 iR Compact. Il couvre les consignes de sécurité, la description du produit, les spécifications techniques et les suggestions de montage.</p>