

WL500 – Sparkling

MANUAL



Waterlogic Commercial Products, LLC

3175 Bass Pro Drive

Grapevine, TX 76051

(800) 288-1891 www.waterlogicdealers.com

Tech Portal Website: techportal.waterlogic.com

WL500 MANUAL

Congratulations on your choice of the **Waterlogic WL500 Water Treatment System**. The **WL500 Water Treatment System** is a fully programmable self-contained model that dispenses cold, hot, extra-hot, and premium sparkling water. Every **WL500 Water Treatment System** includes:



High Performance Multi-Stage Filtration



Bio-Cote® Anti-Microbial Protection



Advanced In-Tank Ultraviolet (UV) Purification

The **Waterlogic WL500 Water Treatment System** provides exceptional quality and great tasting water with every use.

INTRODUCTION

Carefully read and follow all instructions to ensure proper and efficient operation of your **WL500 Water Treatment System**. Contact **Waterlogic** or an **Authorized Waterlogic Dealer** if you have any questions.

Waterlogic and **Authorized Waterlogic Dealers** employ trained service personnel who are experienced in the installation, function and repair of **Waterlogic** equipment. This publication is written for use by these qualified individuals. **Waterlogic** encourages users to learn about products, however, we believe that product knowledge and service is best obtained by consulting **Waterlogic** or an **Authorized Waterlogic Dealer**.

Waterlogic water treatment systems should be combined with selected water treatment components to create a system specifically tailored for each application by trained and qualified personnel.

Products manufactured and marketed by **Waterlogic** and its affiliates are protected by patents issued or pending in the United States and other countries.

Waterlogic reserves the right to change the specifications referred to in this literature at any time, without prior notice. Changes or modifications not expressly approved by **Waterlogic** could void the warranty and user's authority to operate the equipment.

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SAFETY ALERT SYMBOLS

Read and follow all safety information carefully. The signal words used in this manual are selected as shown below and based on an assessment of the degree of potential injury or damage (severe or minor) and the occurrence of injury (definitely occurs or has the potential to occur) when the warning is ignored:

⚠ DANGER!

Indicates a situation which, when not avoided, results in death or severe injury.

⚠ WARNING!

Indicates a situation which, when not avoided, has the potential to result in death or severe injury; and/or severe property damage.

⚠ CAUTION!

Indicates a situation which, when not avoided, results or has the potential to result in minor injury; and/or minor property damage.

SAFETY PRECAUTIONS

Basic safety precautions should be followed, including the following:

Ensure all Local, State, and Federal Laws and Codes including health and safety guidelines are met when installing **Waterlogic** Equipment. Only qualified service technicians should attempt installation and service of **Waterlogic** Equipment. Always read the entire operating instructions before using the appliance and save these instructions for future use.

⚠ DANGER! *This product can cause death or severe injury if incorrectly operated, installed or maintained. The installation, maintenance, sanitizing and any repair must be performed by qualified persons trained by Waterlogic International or their approved distributors only. Do not remove any panel or cover to protect against electrical shock and exposure to UV radiation.*

⚠ DANGER! ELECTRICAL SHOCK HAZARD. *Always use a dedicated and properly grounded outlet. Unit should be protected by ground-fault circuit interrupter (GFCI) or residual current device (RCD) having a rated residual operating current not exceeding 30mA. Use only Waterlogic supplied power cord. Never use extension cords or power strips to connect unit. Do not use if the power supply cord is damaged. Always unplug from power supply prior to servicing.*

⚠ WARNING! AUTHORIZED USE ONLY. *This appliance is to be used for its intended purpose as described in this manual and untrained individuals who use this manual assume the risk of any resulting property damage or personal injury. This appliance can't be used by children and persons with reduced physical, sensory or mental capabilities or lack of experience.*

⚠ WARNING! UV-C EMITTER (UV LAMP). *This appliance contains a UV-C emitter (UV Lamp). UV-C radiation may, even in little doses, cause harm to the eyes and skin. Unintended use or damage to the housing may result in the escape of dangerous UV-C radiation. Never operate the UV-C emitter if damaged or removed from enclosure. Do not touch or look directly into the faucet.*

- ⚠ WARNING! DO NOT OPERATE IF DAMAGED.** *Unplug and isolate water supply if abnormal conditions exist. Contact Waterlogic or authorized dealer for repair, service, and installation to avoid hazards.*
- ⚠ WARNING! HOT WATER.** *Unit produces Hot Water in excess of 80°C (175°F). Water above 52°C (125°F) can cause severe burns or scalding. Keep unauthorized people and children away from the unit to avoid accidental dispensing of hot water.*
- ⚠ WARNING! CONNECT TO POTABLE WATER SUPPLY.** *This system is to be used for water only and is not intended for use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system.*
- ⚠ WARNING! TIP HAZARD.** *Dispenser could tip or fall causing serious injury. Always install unit on a firm, flat, and level surface and secure the **WL500 Water Treatment System** to the base cabinet with the screw provided to lock the components together. Secure unit to cabinet, wall, or floor if needed. Never place heavy items on top of unit and never climb, stand, or hang on unit or storage cabinet to prevent injury and damage.*
- ⚠ WARNING! UNIT IS HEAVY. TWO PERSON LIFT REQUIRED.** *Transport unit empty and always use material handling equipment or two people with proper lifting technique to reduce injury risk.*
- ⚠ WARNING! STORE AND TRANSPORT UNIT EMPTY. ALWAYS SANITIZE BEFORE USE.** *The unit must be completely drained before storing to avoid stagnation and reduce microbiological contamination (potential bacterial growth). Always sanitize before use to eliminate any potential microbiological contaminants.*
- ⚠ CAUTION! INDOOR USE ONLY.** *Never expose to direct sunlight, heat sources, or ambient air temperature above 37°C (100°F) or below 2°C (35°F). Install indoors and keep unit away from excessive humidity. Never expose to freezing temperatures. Ensure there is adequate clearance around the unit to allow refrigeration system condenser to dissipate heat. Warmer environments require more clearance around the unit. Minimum clearance around all surfaces of the machine is 2-inches. Installs where the ambient temperature exceeds 27°C (80°F), require a minimum of 4-inches clearance for proper heat dissipation and efficient operation.*
- ⚠ CAUTION! USE A WATER PRESSURE REGULATOR.** *Waterlogic will not be responsible for injury or damage caused by excessive water pressure. Input or feed pressure must be 40 psi to 60 psi. Be aware of any potential pressure surges caused by building/municipal pumping stations.*
- ⚠ CAUTION! USE UV STABILIZED SUPPLY LINES.** *Feed the unit with a potable ambient or cold water supply only. Feed water over 37°C (100°F) can damage the treatment components. Water block devices and external leak detectors are strongly recommended. Locate the unit as close to the water supply and the electrical connections as possible. Locate the unit as close to the water supply and the electrical connections as possible. Immediately isolate or close water supply valve and contact service representative if leak is noticed.*

Contact Waterlogic for assistance or help finding an Authorized Service Representative.

WL500 FEATURES AND BENEFITS



Premium Sparkling Water

Unlimited Premium Sparkling Water produced through innovative *Mizzling Technology*.

Cold, Hot, and Extra Hot Water

Pressure Fed Cold, Hot, and Extra Hot Selections to meet a wide range of customer demands.

High Volume Storage and Water Capacity

3 liters of Cold, 1 liter of Sparkling, and 1.6 liters of Hot Water Storage.

BioCote® Anti-Microbial Protection

Certain plastic, silicon and painted surfaces surrounding the dispensing areas and drip tray are infused with exclusive additive called BioCote®. BioCote® provides an effective barrier against microbes like bacteria and mold, which may cause odors and staining.



Large Dispense Area with Recessed Faucet

6-3/4 inch dispense height with BioCote® recessed faucet to protect from cross-contamination.

Drip Tray with Sensor and Alarm

Two-piece BioCote® drip tray for easy cleaning. Drip Tray Sensor and Drip Tray Full Fault Mode that halts supply to prevent overflow and sounds alarm to reduce accident potential.

Child Safeguard

WL500 Water Treatment System requires selection followed by main dispense and defaults back to cold/sparkling water selection after 3 seconds of inactivity to prevent accidental dispensing of hot water.

Digital Display

WL500 Water Treatment System has an innovative user interface utilizing a LCD display for easy use and programming.

Advanced Programming

Customizable settings for optimizing each **WL500 Water Treatment System** including; Cold Temp Set Point, Hot Temp Set Point, Static or Ranging Temperature Display, UV Timer, F/C Display, Multiple Languages, Filters Timer Setting, Filters Life Monitor, Energy Saving Sleep Mode, and Default Selection Mode.

Energy Saving Sleep Mode

Energy Saving Sleep Mode can be programmed to turn off heater after 3 hours of inactivity.

In-Tank UV Purification

Industry leading In-Tank UV Purification sterilizes water within Stainless Steel Cold Tank. UV Indicator and Fault Mode Protection to alert user and stop water supply.

Add-On Base Cabinet with Optional Cup Holder

Matching base cabinet with optional cup holder provides the flexibility to meet all installation requirements while minimizing inventory costs.



WL500 CERTIFICATIONS

Waterlogic Water Treatment Systems have been tested, and certified to rigorous NSF and UL Standards.

We believe that performance testing and certifications validate *Waterlogic* as a world-leader in water treatment systems.

WL500 Water Treatment System Certifications Include



Intertek

UL399 – Certified Drinking Water Cooler

Intertek Labs (ETL) Certified the *WL500 Water Treatment System* to ANSI/UL 399 Standard for Drinking Water Coolers.

CSA C22.2 No. 120 CSA Standard for Refrigeration.



BPA Free - *Waterlogic* tests for BPA and declares that all of its products are Bisphenol-A FREE and contain no harmful BPA plastics.

Safe Drinking Water Act

Waterlogic water treatment systems conform to the Safe Drinking Water Act (SWDA) “lead-free” amendment effective January 4, 2014, and *Waterlogic* has tested for BPA and declares that all of its products are Bisphenol-A FREE and contain no harmful BPA plastics.

Waterlogic is certified to ISO 9001:2015 – Quality Management Systems (certified by Intertek). ISO 9001 is the internationally accepted standard for well managed organizations that have adopted the key quality management principles to its operations to bring consistent quality products and a culture of continuous improvement.



MODEL/PART DESIGNATIONS

BRAND NAME	DESCRIPTION	MODEL – PART NUMBER
WL500	Waterlogic WL500 - Cold, Sparkling, Hot, Extra Hot	10-VMHCS3
	F-6004-M-HCS-DT-CS-INN	
	Serial Number Prefix: 93 or MB2H504CS	
AK-0005	Optional Base Cabinet	WLCP PN 10-7000
AK-0007	Optional Cup Dispenser for Base Cabinet	WLCP PN 10-7001

SPECIFICATIONS

<u>ITEM</u>	<u>WL500 (w/o BASE CABINET)</u>	<u>WL500 (with BASE CABINET)</u>
Water & CO ₂ Connection	¼" Quick Connect	
Cold Water Temperature	Cold Water Temperature – Factory Set Point 5°C (41°F) (Adjustable) 1.1° - 12.2°C (34° - 54° F)	
Cold Tank Size	2 Liter (.53 Gallons)	
Sparkling Tank Size	2 Liter (.53 Gallons) - 1 Liter pre-chill, 1 Liter sparkling	
Hot Water Temperature	Ho Water Temperature – Factory Set Point 87.2°C (189°F) Adjustable - 70° - 95°C (158°- 203°F) Programmable	
Hot Tank Size	1.6 Liter (4.3 Gallons)	
Recommended Incoming Feed Pressure	40-60 psi (275-414 kPa) – Use Pressure Regulator	
Maximum Working Pressure	60 psi (414 kPa) – Use Pressure Regulator	
Rated Service Flow Out	1.89 Liters per Minute (0.5 Gallons per Minute)	
CO ₂ Supply Requirement (400 Glasses of 12-ounce cups per one pound of CO ₂) ^	Food Grade CO ₂ - Regulated to 35-45 psi	
Environmental Temperature	2°- 37°C (35°- 100°F)	
Refrigerant Gas	R134a – 65 grams (2.29 ounces) - Hi (280 psi) Low (90 psi)	
R134a Pressures	High (230 psi), Low (90 psi)	

^400 16 oz. Cups of Premium Sparkling Water per pound of CO₂ under normal conditions. +G F I recommended - See Installation Instructions.