

C2 FIREWALL

USER MANUAL



C2 MANUAL

Congratulations on your choice of the **Culligan C2 Water Treatment System**. The **C2 Water Treatment System** model dispenses cold, and hot. Every **C2 Water Treatment System** includes:



High Performance Multi-Stage Filtration



Bio-Cote Anti-Microbial Protection



Firewall Advanced Purification

The **Culligan C2 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 **Water Purification System**. Contact **Culligan** or an **Authorised Culligan Dealer** if you have any questions.

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

Culligan Water Purification 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 **Culligan** and its affiliates are protected by patents.

Culligan 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 **Culligan** could void the warranty and user's authority to operate the equipment.

Culligan technical manuals cover voltages of both 120v and 220v for all our markets. Please ensure that you carefully read the information in this manual and for any parts specific to any market, refer to your technical agreement or specific part listing.

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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 **Culligan** Equipment. Only qualified service technicians should attempt installation and service of **Culligan** 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 Culligan 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 earthed 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 Culligan 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 be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.*


 **WARNING! SUPERVISE CHILDREN.** Keep appliance and cord out of reach of children under the age of 8 years. Children under the age of 8 years must not use or play with the appliance.


 **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. Appliances that are obviously damaged must not be operated. Replacement of the UV-C emitter can not be conducted by the user, please contact Culligan for assistance or help finding an Authorized Service Representative.

Read the maintenance instructions before opening the appliance.

Appliance must be disconnected from the supply before replacing the UV-C emitter.

WARNING: Do not operate the UV-C emitter when it is removed from the appliance enclosure.


 **WARNING!** This appliance is intended to be used in household and similar applications such as: staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.

 **WARNING!** Caution with cooling fluid: Do not damage the cooling circuit, Culligan machines use both R134a and R600a (market dependent) as cooling gas. R600a is a flammable gas, precaution is required, and only qualified and certified personnel should empty, replace or fill the machines with R134a and R600a refrigerant gases.


Ensure always the proper management and transportation of the machine to avoid damaging the refrigerant fluid and causing a dangerous leak.

Discarded appliance should be isolated from fire sources and cannot be burned.

Please transfer the appliance to qualified professional recycling companies for processing to avoid damages to the environment or other hazards.

 **WARNING!** – Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

 **WARNING!** – Do not damage the refrigerant circuit.

 **WARNING!** – Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.


Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

 **WARNING! DO NOT OPERATE IF DAMAGED.** Unplug for safety. Contact Culligan or authorized dealer for repair, service, and installation to avoid hazards.

 **WARNING! HOT WATER.** Unit produces Hot Water in excess of 87°C. Water above 52°C 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. System is designed for the supplemental bactericidal treatment of public drinking water, or other drinking water, which has been tested and deemed acceptable for human consumption by the state or local health agency having jurisdiction. The system is designed to reduce normally occurring non-pathogenic or nuisance microorganisms only. System is not intended for treatment of contaminated water.


 **WARNING! TIP HAZARD.** Dispenser could tip or fall causing serious injury. Always install unit on a firm, flat, and level surface and secure the **WL3 FW 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 and sealed before storing to avoid stagnation and reduce microbiological contamination (potential bacterial growth). Sanitize before use to eliminate any potential microbiological contaminants

 **CAUTION! INDOOR USE ONLY.** Intended for household use only. Never expose to direct sunlight, heat sources, or ambient air temperature above 32°C (90°F) or below 2°C (35°F). Install indoors and keep unit away from humidity levels above 65%. 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 50mm. Installs where the ambient temperature exceeds 25°C, require a minimum of 100mm clearance for proper heat dissipation and efficient operation.

 **CAUTION! USE A WATER PRESSURE REGULATOR.** Culligan will not be responsible for injury or damage caused by excessive water pressure. Input or feed pressure must be 2.5 bar (36 psi) to 3.5 bar (51 psi). Be aware of any potential pressure surges caused by building/municipal pumping stations. 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 to minimize risk.

 **CAUTION! USE PROPER SUPPLY LINES AND FEED WITH POTABLE AMBIENT WATER ONLY.** Feed water over 32°C (90°F) may damage the treatment components. Always use supply lines with adequate pressure rating and UV resistance. Close water supply valve and contact service representative if a leak is noticed.

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

C2 FEATURES AND BENEFITS

Ambient, Cold and Hot Water

Cold and Hot Selections, which can be changed to Ambient and Cold settings to meet a wide range of customer demands.

High Volume Storage and Water Capacity

Free standing model has 4 Litres of Cold Water Capacity and 1.5 litres of Hot Water.
Mini model has 2 Litres of Cold Water Capacity and 1.5 litres of Hot Water.

BioCote® Anti-Microbial Protection

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



Large Dispense Area with Recessed Faucet

200mm dispense height with BioCote® recessed faucet to protect from cross-contamination.

Child Safeguard

C2 Water Treatment Systems requires Hot Water selection followed by main dispense for Hot Water, and defaults back to cold selection after 3 seconds of inactivity to prevent accidental dispensing of hot water.

Energy Saving Sleep Mode

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

Firewall™

Firewall is proprietary technology that places the UV lamp at the point of dispense. This point of dispense purification keeps the dispense nozzle free from external contamination as well as purifying the water, making the freshest water possible.



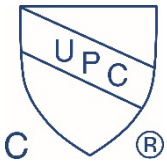
C2 CERTIFICATIONS

Culligan Water Treatment Systems have been tested, approved, and certified by the world’s top standards bodies such as NSF and ANSI. These organizations set and regulate national standards. We believe that performance testing and certifications validate **Culligan** as a world-leader in water treatment systems.

C2 Water Treatment System Certifications Include



This system is certified by IAPMO R&T according to NSF/ANSI 42, NSF/ANSI 53*, NSF/ANSI 55 Class A, NSF/ANSI P231, US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers for the reduction of the contaminants on the Performance Data Sheet, NSF/ANSI 372 for lead free compliance.



See the performance data sheet for specific reduction claims. System claims vary depending on filters used within the system.
*when using Culligan 1 Micron CBC Filter (FT-0065 or FT-0034).



UL399 – Certified Drinking Water Cooler

Intertek Labs (ETL) Certified the **C2 Water Treatment System** to ANSI/UL 399 Standard for Drinking Water Coolers.



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



Energy Star Certified

The **C2 Water Treatment Systems**, have been tested and certified to the Energy Star, a US Environmental Protection Agency (EPA) program that helps our customers save money and protect our climate through superior energy efficiency.



Culligan is certified to ISO 9001:2008 – 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
C2 Free Standing	<i>Culligan C2 Free Standing</i> - Cold and Hot F-2FW-FS-HC	WL 2FW FS
	<i>Culligan C2 Free Standing</i> - Cold and Ambient F-2FW-FS-CA	
	<i>Culligan C2 Free Standing</i> – Cold F-2FW-FS-C	
C2 Mini	<i>Culligan C2 Mini</i> - Cold and Hot F-2FW-M-HC	WL 2FW M
	<i>Culligan C2 Mini</i> - Cold and Ambient F-2FW-M-CA	
	<i>Culligan C2 Mini</i> - Cold F-2FW-M-C	

SPECIFICATIONS

ITEM	C2 Mini	C2 Free Standing
Power Supply	220V/50Hz or 120V/60Hz	
Water Connection	¼" Quick Connect	
Cold Water Temperature	Cold Water Temperature – Factory Set Point 5°C (41°F)	
Cold Tank Size	Mini - 2 Litres Free standing – 4 Litres	
Hot Water Temperature	85°C (185°F)	
Hot Tank Size	1.5 litres	
Hot Water Manual Reset Overheat	105°C (221°F)	
Recommended Incoming Feed Pressure	2.7Bar – 4Bar – Use Pressure Regulator	
Maximum Service Pressure	6.5Bar (100 psi) – Use Pressure Regulator	
Rated Service Flow Out	1.89 Litres per Minute – Firewall Purification	
Environmental Temperature	2°- 37°C (35°- 100°F)	
UV Lamp	15 Watts	15 Watts
Heater	500 W	
Refrigerant Gas	R600a 20g	R600a 20g

SHIPPING SPECIFICATIONS

ITEM	C2 Mini	C2 Free Standing
Width/Depth/Height	34cm x 37cm x 45cm 13.5" x 14.5" x 17.75" *	34cm x 41cm x 104cm 13.5" x 14.5 x 41"
Weight (dry)	26.3 kg (58 pounds)	30 kg (66 pounds)

ELECTRICAL SPECIFICATIONS

ELECTRICAL SUPPLY	220V/50Hz or 120V/60Hz	13 Amp Service 220V/50Hz	15 Amp Service 120V/60Hz
COMPONENT	POWER (approximate)	AMP DRAW (approximate)	
Heater	500 Watts	2.2 Amps	4.16 Amps
Compressor	100 Watts	0.45 Amps	0.83 Amps
UV Lamp System	15 Watts	0.06 Amps	0.125 Amps
C2 TOTAL	615 Watts	2.71 Amps	5.12 Amps

OPERATING INSTRUCTIONS



The above picture shows front LCD display and control panel for the **Culligan C2**.

For Cold Water: Press Cold Water Select Button followed by the Dispensing Button (within 3 seconds).

For Ambient Water: Press Ambient Water Select Button followed by the Dispensing Button (within 3 seconds).

For Hot Water: Press Hot Water Select Button followed by the Dispensing Button (within 3 seconds).

NOTE: Default selection mode is Cold Water. Selection will return to default after 3 seconds of inactivity.

NOTE: Selection indication light will turn Red when the Hot Water Select button is pressed, and will switch back to the default green within 3 seconds after dispensing the hot water.

