

C7 FIREWALL®



User Manual

C7 FIREWALL[®] INTRODUCTION

Thank you for selecting Culligan[™]. This advanced water purification system combines refined engineering and high-tech features in a robust and reliable machine.

The C7 Firewall[®] (C7 FW) can dispense a large volume of ice-cold and bright sparkling water. Ideal to satisfy all the hydration needs of the busiest workplaces.

Designed to offer the best-in-class user experience, the C7 FW presents a large dispense area, and features a visually engaging screen interface connected to an intuitive water dial, that allows the user to easily choose between five types of water.

Always read the entire operating instructions before using the appliance and save these instructions for future use.

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1. GENERAL INFORMATION

- Carefully **read** and **follow all instructions** to ensure proper and efficient operation of your water purification system. Contact Culligan or an authorised Culligan distributor if you have any questions.
- Culligan water purification systems are made with selected water treatment components to create a **system specifically tailored** for your application by trained and qualified personnel.
- Culligan International Limited and WLI Trading Limited reserve the right, in order to reflect continuous research and development, **to amend or change specifications without prior notice.**
- Culligan™ and the Culligan™ logo, Firewall® and the Firewall® logo are trademarks in countries where the Group operates. WLI Trading Ltd licensed to use BioCote®, and BioCote® logo which are registered trademarks of BioCote® Ltd.
- Culligan technical manuals cover voltages of both **120V and 230V** for all markets where Culligan operates. 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.
- **Sanitise before use** to eliminate any potential microbiological contaminants. Ensure all **local laws and codes including health and safety guidelines** are met when installing and using this Culligan purification system.
- Only **qualified service technicians** should attempt installation and service. The product must be completely drained and sealed before storing or transported to avoid stagnation and reduce microbiological contamination (potential bacterial growth).
- This unit is for **indoor use only**, never expose to direct sunlight, heat sources, to freezing temperatures, ambient air temperature above 32°C (86°F) and keep the unit away from humidity levels above 65%.
- **WARNING – Ensure there is adequate clearance** around the unit to allow the condenser of the refrigeration system to dissipate heat. Warmer environments require more clearance around the unit. Minimum clearance around all surfaces of the machine is 100 mm. Keep all the ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Input or feed **pressure** must be regulated to **3 bar** using a water pressure regulator. Culligan will not be responsible for injury or damage caused by excessive water pressure.
- Water block devices and external leak detectors are strongly recommended.
- Products manufactured and **marketed by Culligan** and its affiliates are protected by patents.

2. SAFETY PRECAUTIONS



Carefully read and follow all instructions to ensure proper and efficient operation of your water purification system. Contact Culligan or an authorised Culligan distributor if you have any questions.

- 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. The system is not intended for treatment of contaminated water.**
- **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.
- Always install the unit on a **firm, flat, and level surface** and secure unit to cabinet, wall, or floor if needed, to avoid tip or fall which can cause serious injury.
- **Never place heavy items on top of the unit and never climb, stand, or hang** on the unit or cabinet to prevent injury and damage. Transport the unit **empty** and always use material handling equipment or two people with proper lifting technique to reduce injury risk.
- Culligan machines use both R134a and R600a (market dependent) as cooling gas. **R600a is a flammable gas, precaution is required.**
- **Only qualified and certified personnel** should empty, replace or fill the machines refrigerant gases. **WARNING – Do not damage the refrigerant circuit.** Ensure always the proper management and transportation of the machine to **avoid damaging the refrigerant fluid and causing a dangerous leak.**
- This appliance is to be **used for its intended purpose as described in this manual**, and untrained individual who use this manual assume the risk of any resulting property damage or personal injury.
- This appliance **is not to be used** by children under 8 years old and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless supervised, due to risk of injury if incorrectly used.
- Children should be supervised to ensure that they do not play with the appliance.
- This appliance can be used by children aged from 8 years and above if they have been given supervision or instruction concerning use of the appliance in a safe way and if they understand the hazards involved. **Cleaning and user maintenance shall not be made by children** unless they are older than 8 and supervised. Keep the appliance and its cord out of reach of children aged less than 8 years.
- This product contains a UV-C emitter (UV Lamp). **UV-C radiation may, even in little doses, cause harm to the eyes and skin.** Never operate the UV-C emitter if damaged or removed from enclosure. **Do not touch or look directly into the faucet.**
- The replacement of the UV-C must be done by **Culligan or authorised Culligan distributors** and with **power supply disconnected.**
- Do not operate if damaged: **if the machine is damaged, unplug for safety**, contact Culligan or authorised distributor for repair, service, and deinstallation to avoid risks.

- Culligan machines produce **hot water (model dependent) above 52°C**, which can cause severe burns or scalding. Keep unauthorised people and children away from the unit to avoid accidental dispensing of hot water.
- Always use a dedicated and properly earthed outlet. Unit should be protected by residual current device (RCD) having a rated residual **operating current not exceeding 30 mA**.
- Use only Culligan supplied power cord and never use extension cords or power strips to connect the unit. Do not use if the supply cord is damaged, it must be replaced by the service agent or a similarly qualified person in order to avoid a hazard. Do not remove any panels or covers to avoid any risk of electrical shock.

END OF LIFE:



- **WEEE (EU Only):** please be aware that our products are covered by the Waste Electrical and Electronic (WEEE) directive (2002/96/EC). The symbol shown denotes that the product should not be disposed of with general/household waste.



- **Disposal Non EU Countries:** at the end of this product's life, please ensure that it is disposed of in an environmentally friendly manner which is in line with your country requirements/ guidelines.
- Please contact your supplier who will arrange for the collection and disposal of this product.

3. PRODUCT CERTIFICATION

Our Culligan products are tested and certified to the highest standards by recognised water associations worldwide.



Culligan™ International Limited and WLI Trading Limited reserve the right, in order to reflect continuous research and development, to amend or change specifications without prior notice.

Culligan™ and the Culligan™ logo, Firewall® and the Firewall® logo are trademarks in countries where the Group operates.

WLI Trading Ltd licensed to use BioCote®, and BioCote® logo which are registered trademarks of BioCote® Ltd.

4. FEATURES AND BENEFITS

The features showed below and in this technical manual are representative of the generic machine with five water options. Some machines are country specific and have different water options. Please take into consideration only the details that are applicable to your specific model.



Firewall™ purification: Culligan's patented and certified Firewall™ technology features a highly effective UV antimicrobial purification system at the point of dispense. Firewall guarantees 99.9999% purified water. Glass after glass.



BioCote® antimicrobial protection: the C7 FW key surfaces are infused with BioCote®, a silver ion additive able to inhibit microbial growth on the surface of the products helping to reduce unpleasant odours, degradation of key surfaces and the potential for cross contamination.



Culligan filters offer the best-in-class filtration, guaranteeing quality water with every drop.



Ice Bath cooling technology: the new Ice Bath water cooling system delivers high volumes of ice-cold water, offering a high capacity solution for the most demanding most consistent cold water of the Culligan range.



Premium product that provides all 5 water options in a countertop machine.



Environmentally Friendly Features.



Intuitive user interface with bottles saved counter: This feature monitors how many bottles are saved during the use of the product .



Energy saving sleep mode: energy saving sleep mode is programmed to turn off the heater after three hours of inactivity yielding significant energy savings when unit is not in use.



Eco-friendly refrigeration using R600a*: Naturally occurring refrigerant gas with low GWP (Global Warming Potential) and zero ODP (Ozone Depletion Potential).

**R600a available on 220/240V models only.*

ADDITIONAL FEATURES



Ergonomic dispensing area with 273 mm able to fill sport bottle.



Child safeguard to prevent accidental dispense of hot water.



Leak prevention system provides extra protection and reduces risks of accidents.

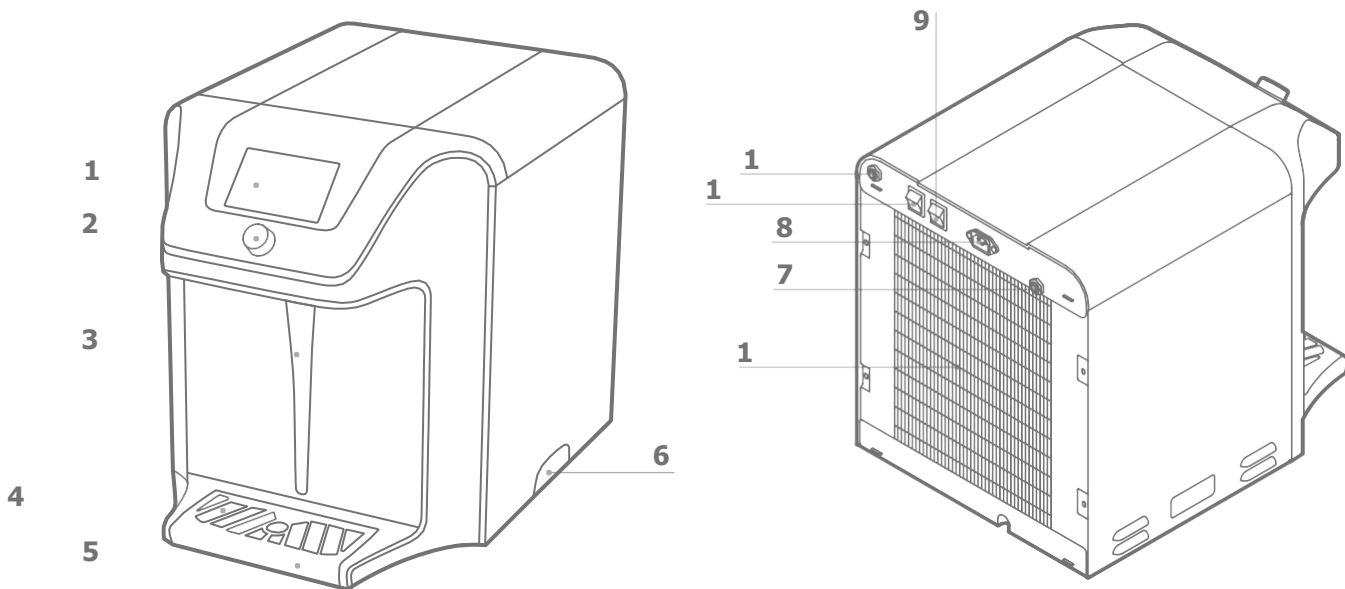


Provides cold water for more than 50 users.



Advanced LCD Screen with auxiliary messaging.

5. FRONT AND REAR VIEW



No	Description
1	UI display
2	UI dial
3	Waterfall light diffuser
4	Drip tray grill
5	Drip tray
6	Handle
7	1/4" Water inlet connector
8	Power connector
9	Red power switch
10	Green heater/compressor switch
11	1/4" CO ₂ inlet connector
12	Condenser

6. USER INTERFACE



Rotating intuitive dial:

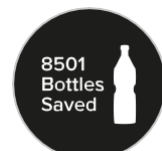
Easy selection of water options + BioCote protection on the button lens

Dispense status bar:

Indicates water being cooled and/or heated

Bottles saver

Live indicator of number of 500ml plastic bottles saved while using the C7 FW



7. TECHNICAL INFORMATION

TECHNICAL DATA	C7 Firewall™
Features	
BioCote®	Yes
UV Technology	Firewall™
Dispense area height	273 mm
Energy saving mode	Yes
Working information	
Cold water output	5 °C*
Sparkling water output	5 °C*
Hot water output	75 - 93 °C*
Extra hot water output	80 - 95 °C*
Ice Bath capacity	4.5 L
Hot tank capacity	1.5 L
Sparkling capacity	0.5 L - 3 L (model dependent)
Recommended inlet water pressure	2.5 - 3.5 bar
Recommended CO ₂ pressure	3 bar
Recommended inlet water temperature	5 - 25 °C
Working room temperatures	2 - 32°C
UV Lamp change interval	12 months**
* Performance may vary depending on the local conditions;	
** NSF 55 Class A and P231 Certification requirement;	
Electrical	
Compressor power	110 W
Pump power	10 W
Fan power	16 W
Mixing motor	25 W
Control power	19 W
Heating element power	500-800 W (model dependent)
UV Lamp	13 W
Total max power(HCAS)	993 W
24-hour standby power consumption	0.46 kWh
Power supply	220-240V/50Hz or 120V/60Hz
Component detail	
Refrigerant gas	230V/R600a or 120V/R134a
Refrigerant quantity	R600a: 26g; R134a: 65g

TECHNICAL DATA **C7 Firewall™**

Connections

1/4" CO₂ quick connect bulkhead	Yes
1/4" Water quick connect bulkhead	Yes
Drain plug hot tank	Yes
Drain plug Ice Bath	Yes

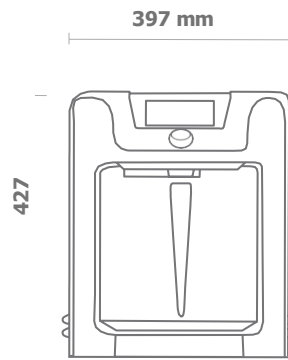
Accessories supplied

Power cord
CO₂ pressure regulator
Water pressure regulator UV Lamp
Filter(s)***

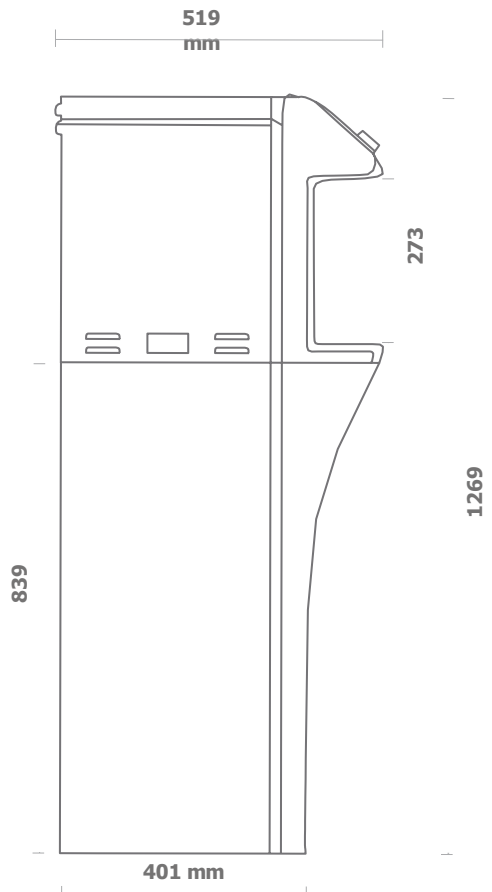
***Filter configuration depended on incoming water conditions

8. PRODUCT DIMENSIONS

Counter top
397 x 519 x 427 [mm]
31-34 [kg]



Freestanding
399 x 519 x 1269 [mm]
51-54 [kg]



9. TROUBLESHOOTING



The instructions below are to troubleshoot errors that might happen due to power surges, water cuts and normal wear and tear of the machine. Do not open any panels, disconnect tubing, touch any wires or electronic components. Do not attempt any repairs, always communicate to your Culligan supplier.

Error	Solution
UV Error	<ol style="list-style-type: none"> 1. Check for a blue glow coming out the dispensing nozzle when you dispense (do not look inside the nozzle). 2. If there is a blue glow, RESET the ERROR by turning OFF and ON after 5 seconds the red power switch. 3. If there is no glow or the error persists, communicate to your Culligan supplier.
Hot Tank Heating Error	<ol style="list-style-type: none"> 1. Ensure there is water supply. 2. Ensure hot tank is full of water by selecting hot icon and dispense until a steady stream of water flows to a cup. 3. RESET the ERROR by turning OFF and ON after 5 seconds the red power switch. If the hot tank is full and error persists, communicate to your Culligan supplier.
Sparkling Water Level Error	<ol style="list-style-type: none"> 1. Verify that water supply is open and dispense cold water to validate water flow. 1. RESET the ERROR by turning OFF and ON after 5 seconds the red power switch. 2. If the error persists, communicate to your Culligan supplier.
Ice Bath Level Error	<ol style="list-style-type: none"> 1. Check for water leaks. 2. Ensure there's water supply by dispensing ambient or cold. 3. RESET the ERROR by turning OFF and ON after 5 seconds the red power switch. 4. If the error persists, communicate to your Culligan supplier.
Dispense Time Out	<ol style="list-style-type: none"> 1. Release the dispense button to RESET the error 2. If the error persists, communicate to your Culligan supplier.
Hot Sensor Error	<ol style="list-style-type: none"> 1. RESET the ERROR by turning OFF and ON after 5 seconds the red power switch. 2. If the error persists, communicate to your Culligan supplier.
Ice Detection Error	<ol style="list-style-type: none"> 1. RESET the ERROR by turning OFF and ON after 5 seconds the red power switch. 2. If the error persists, communicate to your Culligan supplier.
Ice Bath Circulation Error	<ol style="list-style-type: none"> 1. RESET the ERROR by turning OFF and ON after 5 seconds the red power switch. 2. If the error persists, communicate to your Culligan supplier.

