WLH2 FIREWALL™

BAR CLASSE SERIES

Technical Manual

waterlogic
Better thinking. Better water.

waterlogic
A Culligan company

PUREZZA™
PREMIUM WATER

Better thinking, better water,
better for you, better for the planet™

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WLH2 FIREWALL™
BAR CLASSE SERIES
TECHNICAL MANUAL

Waterlogic® provides water treatment in point of use water coolers using these three technologies:

Firewall™

BioCote® antimicrobial protection

High performance filtration

With this in mind, this advanced water purification system combines refined engineering and high-tech features.

INTRODUCTION

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

Waterlogic and an authorized waterlogic distributor employ trained service personnel who are experienced in the installation, function and repair of Waterlogic equipment.

Waterlogic 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 Waterlogic and its affiliates are protected by patents.

Waterlogic 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**. Waterlogic and the Waterlogic 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.

Waterlogic technical manuals cover voltages of both 120v and 220v for all markets where Waterlogic 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.

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1. PRECAUTIONS AND GENERAL RECOMMENDATIONS

SAFETY PRECAUTIONS

Ensure all local laws and codes including health and safety guidelines are met when installing this Waterlogic purification system. Only qualified service technicians should attempt installation and service. Always read the entire operating instructions before using the appliance and save these instructions for future use.

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. The system is not intended for treatment of contaminated water.

Tip hazard: the dispenser could tip or fall causing serious injury. Always install the unit on a firm, flat, and level surface and secure unit to cabinet, wall, or floor if needed. Never place heavy items on top of the unit and never climb, stand, or hang on the unit or storage 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.

Store and transport unit empty: the unit must be completely drained and sealed before storing to avoid stagnation and reduce microbiological contamination (potential bacterial growth).

Always sanitise before use: sanitise before use to eliminate any potential microbiological contaminants.

Installation and maintenance: the installation, maintenance, sanitising and any repair must be performed by qualified persons trained by Waterlogic or their authorized distributors only. Do not remove any panels or covers unless qualified and competent to do so. The detachable hose-sets and the connection kit used to connect the main water are supplied by the technician. Do not reuse connectors.

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 excessive humidity.

Ensure there is proper ventilation: 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 100 mm.

Caution with cooling fluid: Waterlogic 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. Ensure always the proper management and transportation of the machine to avoid damaging the refrigerant fluid and causing a dangerous leak.

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 store explosive substances such as aerosol cans with a flammable propellant in this appliance.

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 regulated to 3 bar. Be aware of any potential pressure surges caused by building/municipal pumping stations. Water block devices and external leak detectors are strongly recommended.

Authorized use only: 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.

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 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.

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. 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 Waterlogic or approved Waterlogic distributors and with power supply disconnected. The UV lamp must be replaced at 6-month intervals or when necessary.

Do not operate if damaged: If the machine or supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

This appliance contains a UV-C emitter: Unintended use of the appliance or damage to the housing may result in the escape of dangerous UV-C radiation. UV-C radiation may, even in little doses, cause harm to the eyes and skin.
Appliances that are obviously damaged must not be operated.
Replacement of the UV-C emitter cannot be conducted by the user, please contact Waterlogic for assistance or help finding an Authorized Service Representative.
Read the maintenance instructions before opening the appliance.
The appliance must be disconnected from the supply before replacing the UV-C emitter.
The appliance is to be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA.

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

Electrical shock hazard: 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 Waterlogic supplied power cord. Never use extension cords or power strips to connect 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.

CERTIFICATIONS

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

WLH2 FIREWALL WATER TREATMENT SYSTEM CERTIFICATIONS INCLUDE:

UL399 – Certified drinking water cooler. Intertek Labs (ETL) Certified the WLH2 Firewall Bar Classe Series water treatment system to ANSI/UL 399 standard for drinking water coolers.
CSA C22.2 No. 120 – CSA standard for refrigeration equipment.

BioCote® antimicrobial silver ion technology has been tested by an independent laboratory to show its ability to inhibit the growth of bacteria, mould and fungi by up to 99.99 % over a 24 hour period and for the duration of the machine life.

The Firewall technology installed in CLASSE is certified by WQA to NSF/ANSI 55 Class A, NSF P231, and US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers, and NSF 372 for lead free compliance, for the disinfection of of microbiologically contaminated water that meets all other public health standards, as verifyied and substantiated by test data. See the system performance data sheet for details on claims

This system or component conforms to NSF/ANSI 55 for the disinfection of microbiologically contaminated water that meets all other public health standards. The system is not intended for the treatment of water that has an obvious contamination or intentional source, such as raw sewage, nor is the system intended to convert wastewater to microbiologically safe drinking water .
See instruction manual for use conditions and restrictions. See system performance data sheet for applicable claims.

Waterlogic manufacturing, Qingdao, is certified to **ISO 9001:2015** by Intertek.

Waterlogic water purification systems have been tested and certified to rigorous **CE Standards**.

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

Hazard Analysis Critical Control Point (HACCP) approved and certified for food safety and control systems.

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. Please contact your supplier who will arrange for the collection and disposal of this product.

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.

2. PRODUCT INFORMATION

WLH2 FIREWALL BAR CLASSE SERIES 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 in to consideration only the details that are applicable to your specific model.

Firewall™ purification: Firewall™ patented and certified UV technology thoroughly purifies water all the way through to the dispensing nozzle, preventing pathogens getting into the system. Firewall™ safely purifies the water up to 99.9999%*, 100% of the time, reducing the risk of viruses, cysts and bacteria.

**Guaranteed free from: 99.9999% bacteria, 99.999% viruses, 99.9% cysts*

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 Waterlogic range.

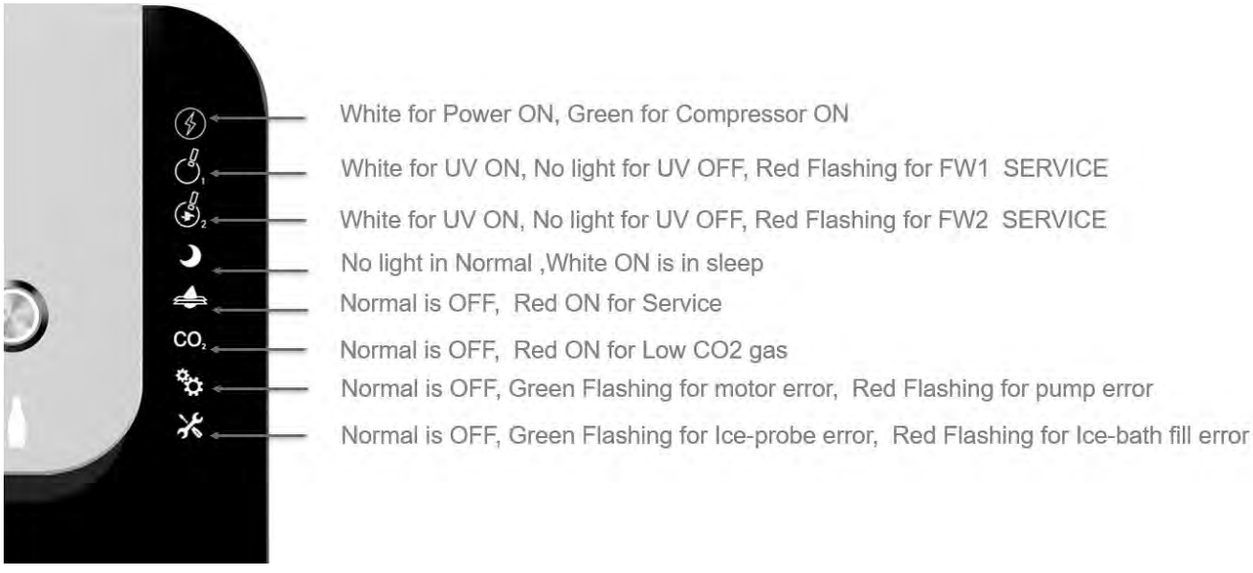
BioCote® antimicrobial protection: key surfaces surrounding the dispensing areas and drip tray are infused with an exclusive silver additive called BioCote®. Silver is a natural anti-microbial that inhibits the growth of microorganisms providing additional surface protection.

Ergonomic dispensing area: adjustable dispense height for any bottle size, easy removable drip tray, back lighting in dispense area.

Energy saving sleep mode: energy saving sleep mode is programmed to reduce the power consumption of the compressor after three hours of inactivity yielding significant energy savings when unit is not in use.

USER INTERFACE

Action	Number
Small Sparkling Dispense Button	1
Big Sparkling Dispense Button	2
Small Cold Dispense Button	3
Big Cold Dispense Button	4
UI Indicator LED's	5



TECHNICAL INFORMATION

TECHNICAL DATA	WLH2 Firewall™ Bar
Features	
BioCote®	Yes
UV Technology	Firewall™
Dispense area height [mm]	315mm
Energy saving mode	Yes
Working information	
Cold water output [° C]*	5
Sparkling water output [° C]*	5
Ice Bath capacity [L]	21
Sparkling tank capacity [L]	1
Recommended inlet water pressure [bar]	3
Recommended CO_2 pressure [bar]	4
Recommended inlet water temperature [° C]	5-25
Working room temperatures [° C]	16-32
UV Lamp change interval	6 months**

*** NSF 55 Class A and P231 Certification requirement;*
** Performance may vary depending on the local conditions*

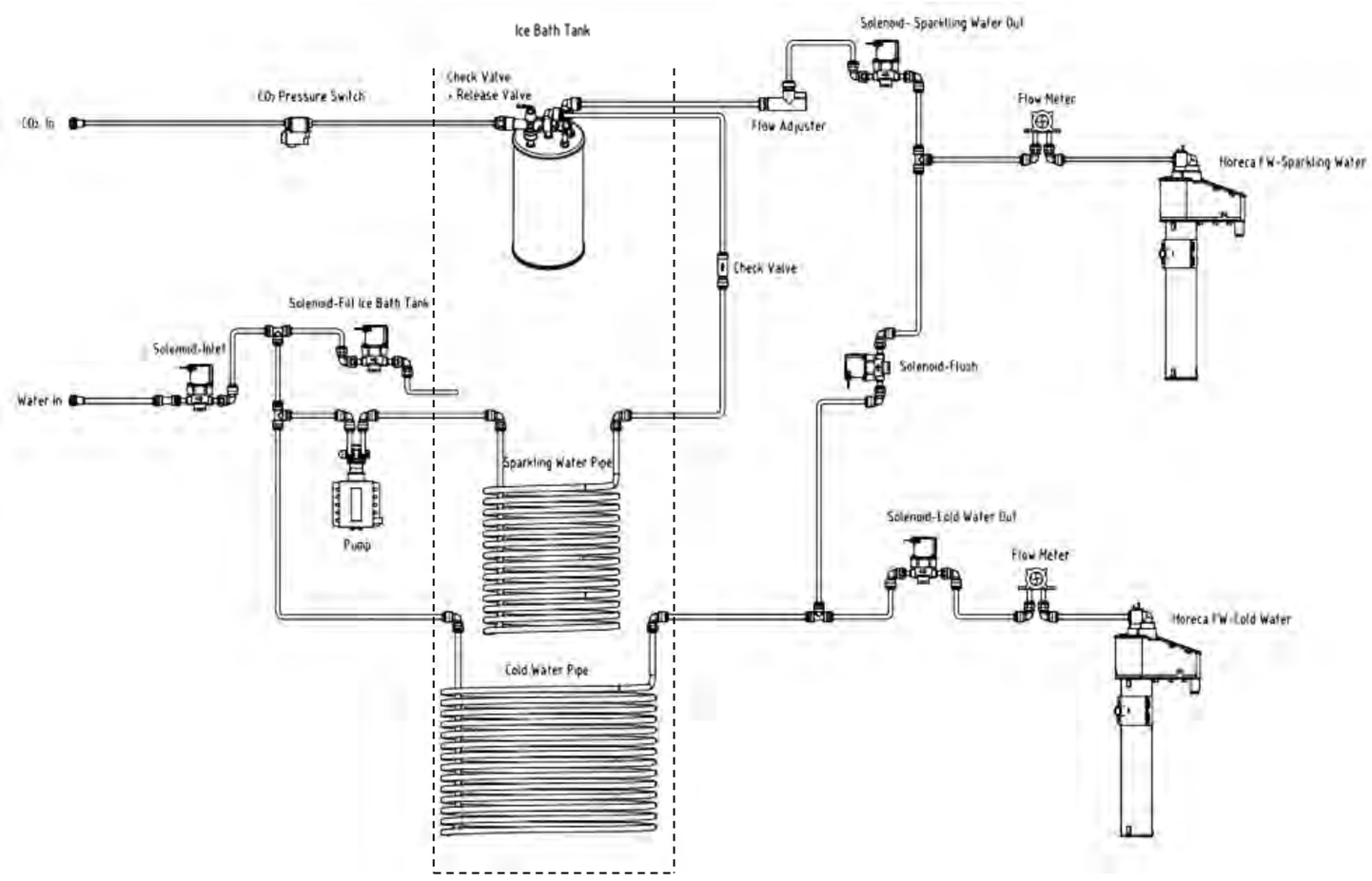
Electrical	
Compressor power [W]	210w
Pump power [W]	250w
Fan power [W]	36w
Mixing motor [W]	25w
Control power [W]	20w
UV Lamp [W]	15*2w
Total max power [W]	571w
Power supply	220-240V/50Hz or 120V/60Hz
Component detail	
Refrigerant gas	230V/R600a or 120V/R134a
Refrigerant quantity (g)	R600a 55g
Physical	
Dimensions (W x D x H) [mm]	400mm(W) X 590mm(D) X 573mm(H)
Weight (net) [kg]	48kg

TECHNICAL DATA	WLH2 Firewall™ Bar
Connections	
5/16" CO_2 quick connect bulkhead	Yes
5/16" Water quick connect bulkhead	Yes
Drain plug Ice Bath	Yes

WATER FLOW DIAGRAM

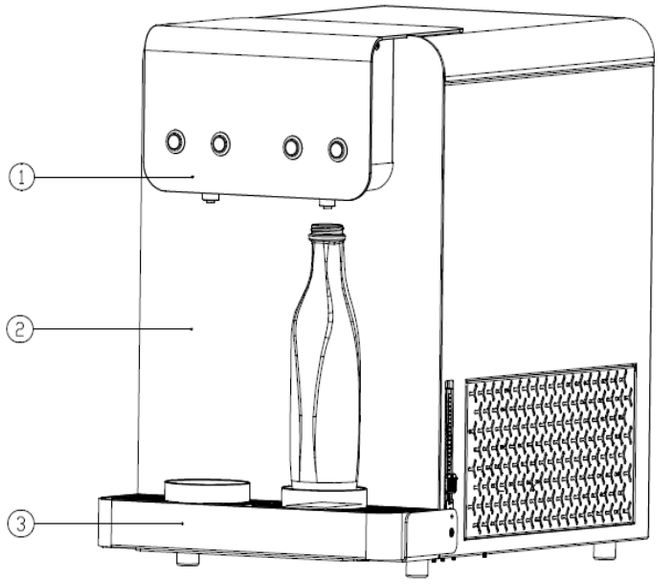
These diagrams are for reference and understanding the WLH2 Firewall, some features might not be included on your machine.

Water configuration: cold and sparkling.

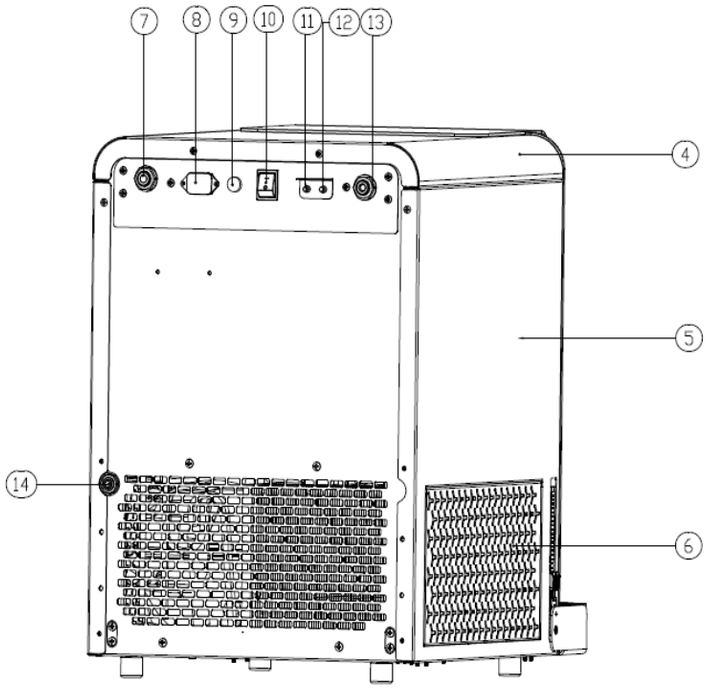


FRONT AND REAR VIEW

1 EXTERNAL COMPONENT

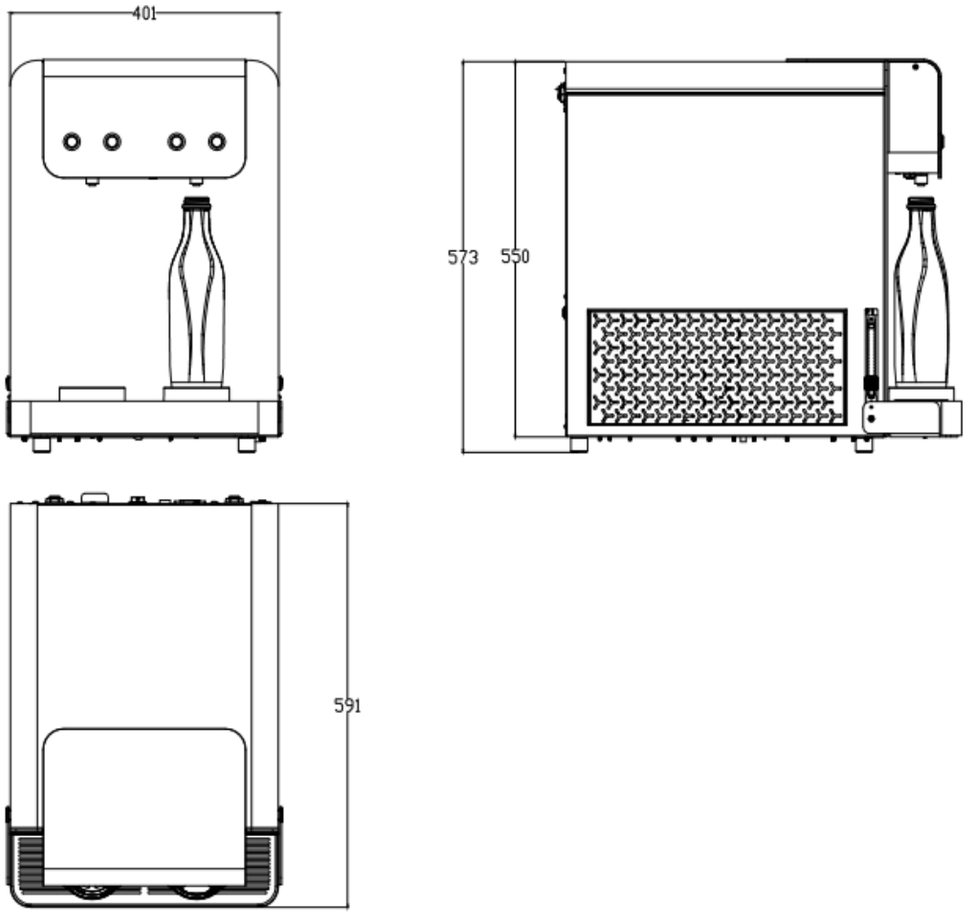


Description	Number
UI Pannel	1
Front Pannel	2
Drip Tray	3



Description	Number
Top cover	4
Side panel	5
Side panel window	6
Water in connecter	7
Socket	8
Fuse	9
Main switch	10
Reset switch-sleep	11
Reset switch-filter	12
CO_2 in connector	13
Drain connector	14

PRODUCT DIMENSIONS



PRODUCT LABEL

To identify your product characteristics and production date you can refer to the examples below:

Model:

F-H2FX-M-CS-IB6-SB-XXX — Machine Model

F-P2FX-M-CS-IB6-SB-XXX

S / N:

TH2C434$B19C13004CN1

Year: 19
Month: A->L (Jan->Dec)
C: March
Day: 13
Machine Number: 004

3. INSTALLATION INFORMATION

Installation requirements:

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.

The machine needs to be mounted on a firm level surface so there is no chance of it toppling or falling over. A 100 mm air gap is required the whole way around the machine to allow for sufficient ventilation.

The machine must not be installed in direct sunlight or next to a heat source. The supply water must be potable and up to a maximum recommended temperature of 25˚C (77˚F).

Materials needed:

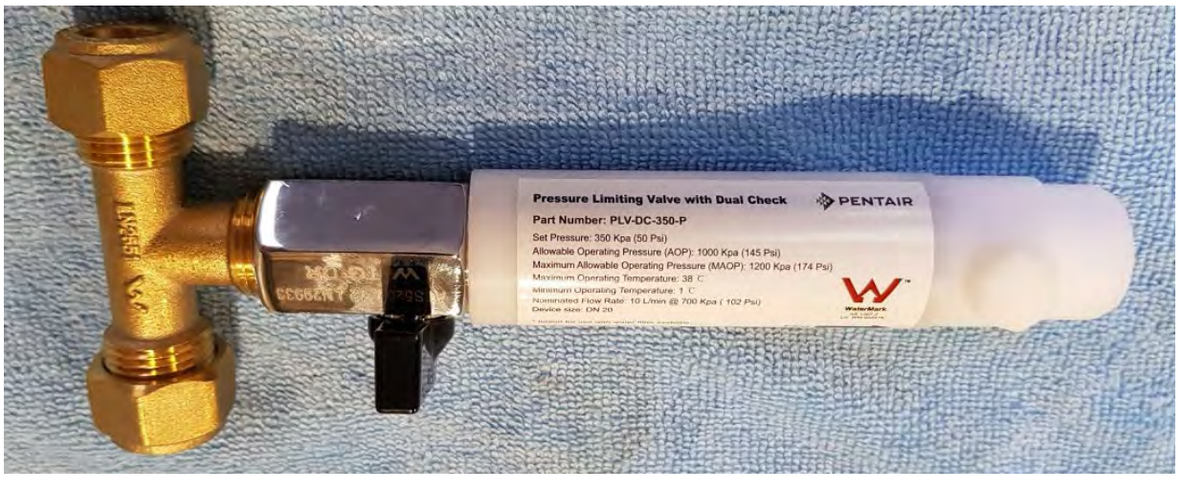
- PPE: rubber or nitrile safety gloves, safety footwear and protective eyewear
- Phillips screwdriver, temperature gauge, TDS meter and chlorine test strips
- Jug to collect water from the faucet and 10 litre container to drain the machine
- Aqua Dosa sanitise – or other 3% hydrogen peroxide
  5/16" plastic tubing and assorted 5/16" quick connect fittings
- Sanitizing cartridge or Waterlogic filter housing without media.
- Install kit with non-return valve, pressure reducer and water block.

AUSTRALIAN INSTALLATION GUIDE

Installation in accordance with AS/NZS 3500.1 and AS/NZS 3500.2.
Waterlogic units must be installed according to the local guidelines. Waterlogic units should only be connected to a potable drinking water supply. Waterlogic units should not be connected to water supplies of unknown bacterial quality or those not already fit for human consumption.
Waterlogic International strongly recommends the use of an anti-flood device.

Installation Instructions and parts required

1. K001 Install kit as below, (1 x 63058/103988 – brass tee, 1 x 54011/104115 ball valve, 1 x 52028/104177 dual check valve)



2. Serialised Unit
3. Diamond Flow Filter and Head

Options to above PLV
RMC PVDC50 dual check valve – 350 kpa PLV code 52010 / 100665

Accessories
1. JG ¼ sf x 3/8 stem elbow x 2 (for filter head) 60157 / 100963
2. JG ¼ sf x ¾ npt tap adaptor 60175 / 104065
3. Waterblock 50000 / 101084
4. JG ¼ sf x ¼ sf isolating valve 60127 / 100932
5. JG ¼ tube (black only) x 5 meters 60800 / 104105 roll
6. JG ¼ locking clips x 5 60124 / 104162

Any installation that requires us to run water ≥ 5M to our unit, must be using AUSPEX or a Watermark equivalent product for all tubing runs. For our compliance the product we use to run the water from the source to our unit must be Watermarked.

After hours sales/service – 1300 88 14 14

START-UP INFORMATION

Only competent trained technicians should work on Waterlogic products. Waterlogic units may weigh over 25 kg. We recommend caution when lifting. Packing materials could present a trip hazard. Keep them off the floor.

- It is advisable to have the power and flexible water supply within a two meters range of the machine. If water supply is further than two meters, rigid fixed permanent pipework is required. All water connections shall be that of a fixed permanent solution and not by temporary means of fixture:

→ 0 - 2 meters: ≥ 5/16" JG pipe
→ 2 - 10 meters: ≥ 15 mm pipe

- The isolation for the water and electricity should be easily accessible, and the machine should not be installed using an extension lead.

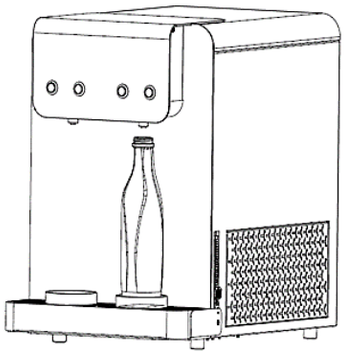
- The water outlet connection must be fitted with an install kit containing a non-return valve, a pressure reducer (maximum 3 bar) and a water block device. Prepare the connection to the machine from the install kit via a length of 5/16" John Guest food grade tubing.

- Prepare the filter by carrying out a filter flush, making sure 10 litres of water pass through the filter to clear any carbon fines that may need to be removed.

- Before turning ON the machine, take a sample of water from the supply and check the TDS levels. If the TDS is less than to 30ppm you need to add 2.5 grams of sodium bicarbonate to the Ice Bath to ensure it works efficiently.

The Ice Bath water is not used for consumption, so the addition of the sodium bicarbonate has no effect on the quality of the drinking water.
A pressure higher than 3.5 bar will damage the machine, a pressure reducing valve is necessary.

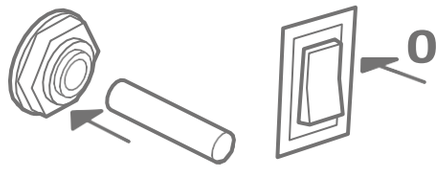
To start-up the product follow the instructions below. Some pre-installation piping is required before installing the machine:



Unpack and carry out a visual inspection of the unit.

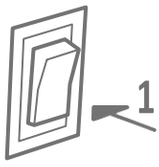
1

Connect the water supply. Ensure the power switch on the rear of the machine



is in the OFF position and connect the unit to a power supply and CO_2

2



3

Turn ON the power switch and allow for the Ice Bath to fill to the required level.
It should take approximately 8-10 minutes to fill the Ice Bath (Flow rate dependant) and 30 more seconds to fill the sparkling tank.

4

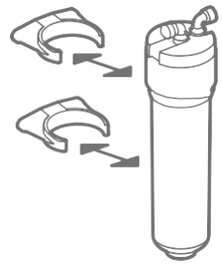
Check the sanitizing instructions to complete the installation.

SANITISING INSTRUCTIONS

The disinfection of the product after installation is very important to ensure that there is no residue on the machine due to transport and testing that can leave a bad taste in the water.

Always ensure proper ventilation and use proper personal protective equipment such as gloves and eye protection when using chemicals. Refer to material safety data sheet for specific requirements of each chemical product. Take all necessary precautions to prevent sanitiser from contacting eyes, clothing, and any other surfaces it could damage.

1 Turn OFF the water supply and dispoense until water stops flowing.



2 Replace the filter with an empty housing with the sanitiser inside (30 ml). Bypass any other filters if applicable.

3 Turn ON the water supply.

4 Dispense **cold** water until water with sanitiser solution comes out the faucet.

5 Dispense **Sparkling** water until water with sanitiser solution comes out the faucet.

6 Wait 10 minutes. After, flush at least 5 litres of **cold** water and use test strips to make sure there is no sanitiser left

7 Flush 5 litres of **sparkling** until there is no sanitiser in the system.

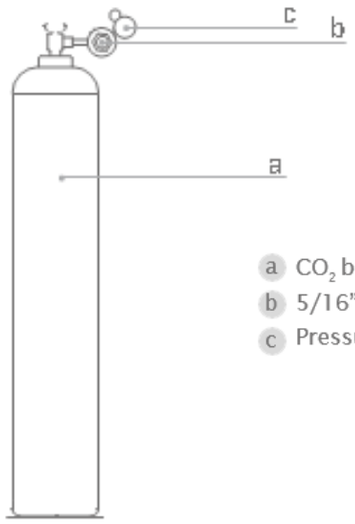
8 Taste the **cold** and **sparkling** water to ensure satisfactory taste.

CO_2 INSTALLATION

EQUIPMENT UNDER PRESSURE, HANDLE WITH CARE
For the replacement of the CO_2 cylinder, all the operations must be carried out exclusively by qualified technical personnel.
The cylinders must not be lifted by the cap, or dragged, rolled or slid along the floor.
Even short distances, an appropriate hand cart or other suitable means of transport should be used.

To achieve a good level of carbonation the Ice Bath must be cold, a minimum of 1 hour after start-up.

1. Before starting, ensure the CO_2 gas bottle is food grade (E290).
2. Remove the dust cap (where fitted) from the CO_2 outlet on the bottle.
3. Direct the outlet into a safe location, open the tap on the gas bottle for a second and close again, this will purge the gas which will clear any dust from the outlet.
4. Connect the CO_2 pressure regulator and tighten with a spanner, ensuring that the O-ring seal is correctly located.
5. After the installation of the machine, connect the pipework from the regulator [b] to the machine [d] and secure the gas bottle in position with a strap or chain so it will not fall over.
6. Open the tap on the gas bottle and set the pressure to 4 bar [c].
7. Dispense 1L of sparkling water and allow a full regeneration.
8. Re-check and readjust the CO_2 pressure to the machine (pressure tends to drop after first dispense).
9. Dispense a glass of water and taste the water for correct sparkling flavour.



a CO_2 bottle (max: 200 mm x 750 mm)
b 5/16" quick CO_2 connector bottle
c Pressure to the machine (recommended 3 bar)

4. SERVICE PROCEDURES

A service every six months is important to keep the machine in perfect working condition and to ensure the best water quality possible.

The service is composed of the following tasks:

- Check the correct operation of the machine - Verify if every function is operational and the water temperatures and pressures are correct; the machine is not damaged or with strange noises/vibration.

- Sanitise the machine.
- Change the filter(s)*.
- Change the UV lamp.
- Surface cleaning: these machines dispense purified water and one of the key factors is keeping the machine clean to avoid contamination and staining.

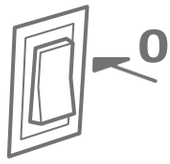
MAINTENANCE REPLACEMENT COMPONENTS

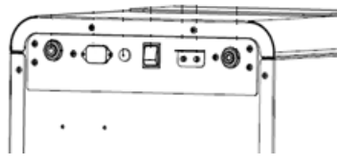
Component	Recommended replacement frequency
UV lamp	Every 6 months or as required
Filters*	Every 6 months or as required
Ice detection probes	Verification every 6 months, clean or replace as
Sparkling level probe	Verification every 6 months, clean or replace as
Air Filter	Verification every 6 months, clean or replace

**Number and type of filters are dependent on the incoming water conditions*

UV LAMP REPLACEMENT

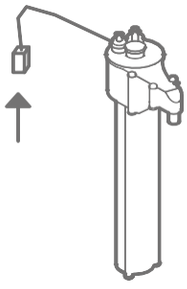
The UV lamp can cause harm if improperly used, please check the safety precautions before attempting to replace the UV lamp.





1 Turn OFF the power switch

2 Disconnect the power cable [25].

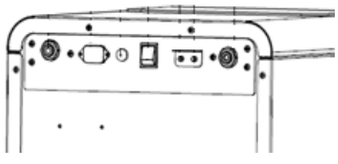


3 Remove the outer casing and disconnect the UV lamp.

4 Pull the UV lamp carefully.

5 Check the interior of the Firewall™ for damage or scaling (remove and descale if necessary).

6 Introduce the new lamp carefully and connect the UV plug. Do not touch the UV with bare hands



7 Reconnect the power cable and turn ON the power switch.

8 Dispense water, check for UV error and carefully check for UV light presence.

If the Firewall™ requires descaling, remove the spiral, prepare a bath with descaler and leave the spiral inside the bath for at least 10 minutes.

5. PROGRAMMING AND SPECIAL FEATURES

PROGRAMMING INSTRUCTIONS

The WLH2 Firewall encorperates volumetric dispensing control. Please follow the below steps to program dispense of both cold and sparkling options.

Setting the pre-set water volume by entering the menu;

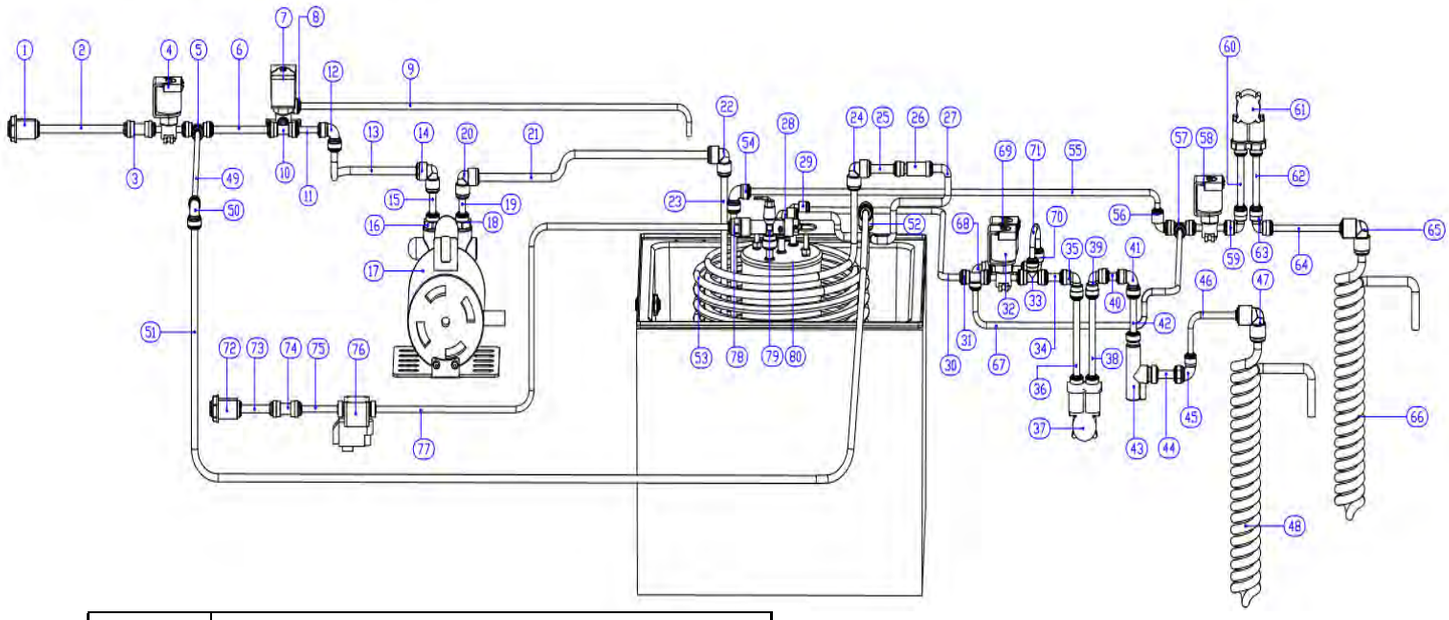
- Pre-set Sparkling water volume: Press both sparkling buttons together for 5 seconds
- Once entered the menu, both sparkling button LED backlights will be flashing.
- To exit the setting mode, press both sparkling buttons again for 5seconds and LED will be OFF. (Maximum dispensing is 3liters.)

- Pre-set Cold water volume: Press both cold buttons together for 5 seconds
- Once entered the menu, both cold button LED backlights will be flashing.
- To exit the setting mode, press both cold buttons again for 5seconds and LED will be OFF. (Maximum dispensing is 3liters.)

1. Once you are in the setting mode (programming mode), for volume of water will be set by dispensing and logged on each volumetric flowmeter.
2. Press each button until it reaches the desired setting amount, and press again to stop.
3. Regardless of the machine powering OFF and ON again, the volume will be saved from the last withdrawal.

6. SCHEMATICS

HYDRAULIC COMPONENTS



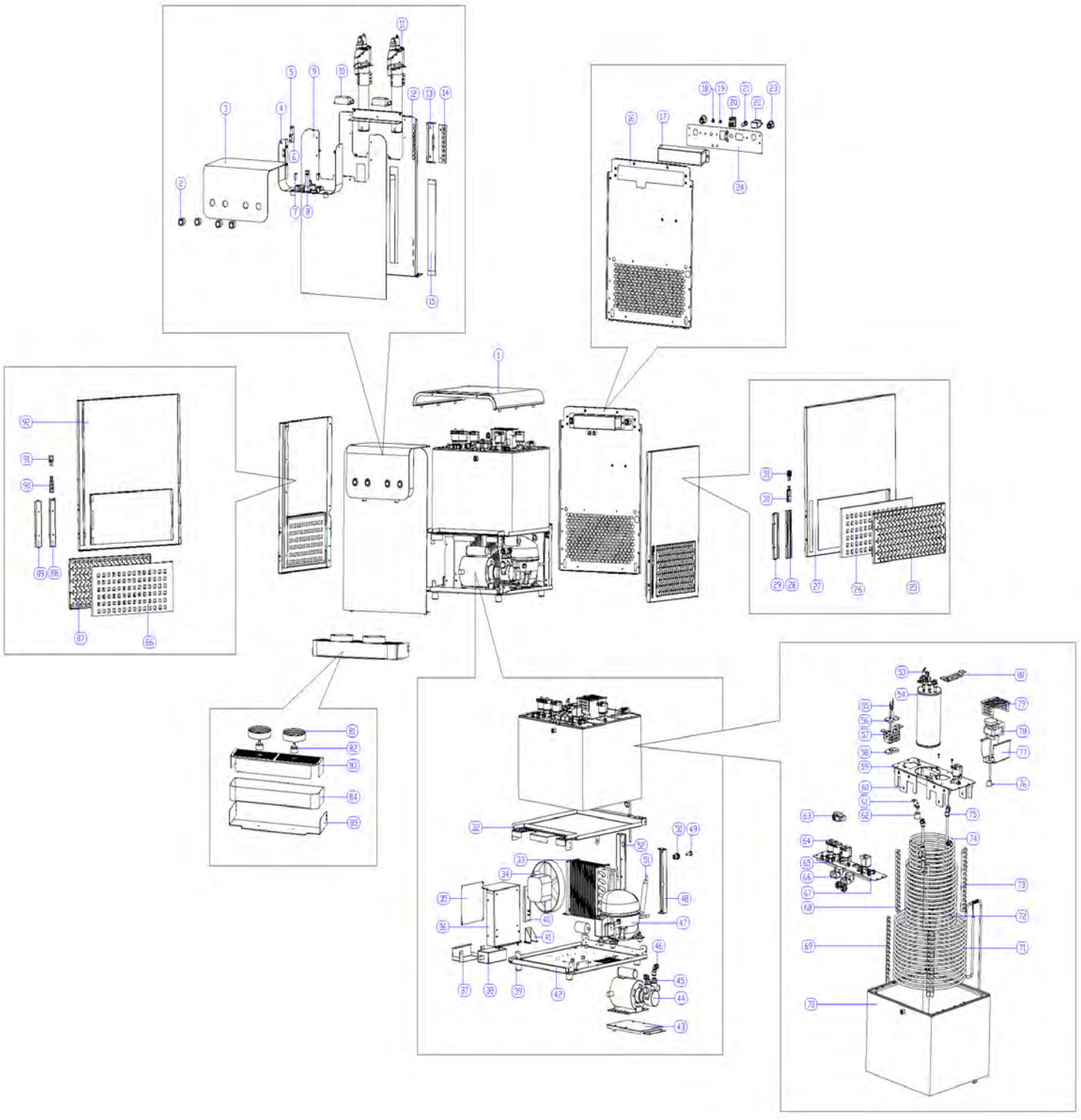
No.	Part Name
1	JG Bulkhead Connector Union 5/16 * 5/16"
2	JG LLDPE Tube - Blue 8mm
3	JG Reducing Straight Connector 5/16-1/4”
4	MS DC Solenoid Valve
5	JG Equal Tee Connector 1/4"
6	JG LLD PE Tube - Blue O.D.1/4"
7	MS DC Solenoid Valve
8	JG Equal Elbow Connector 1/4"
9	JG LLD PE Tube - Blue O.D.1/4"
10	JG Equal Tee Connector 1/4"
11	JG LLD PE Tube - Blue O.D.1/4”
12	JG Reducing Elbow Connector 5/16" * 1/4"
13	JG LLDPE Tube - Blue 8mm
14	Equal Elbow 5/16"*5/16"
15	JG LLDPE Tube - Blue 8mm
16	JG Straight Adaptor 8mm x 3/8 bsp
17	Brass vane pump with Motor 120W 220v
18	JG Straight Adaptor 8mm x 3/8 bsp
19	JG LLDPE Tube - Blue 8mm
20	Equal Elbow 5/16"*5/16"

41	JG Equal Elbow Connector 1/4"
42	JG LLDPE Tube - Blue 8mm
43	Compensator
44	JG LLDPE Tube - Blue 8mm
45	JG Reducing Elbow Connector 5/16" * 1/4"
46	JG LLD PE Tube - Blue O.D.1/4"
47	JG 3/8" x 1/4" Reducing Fitting
48	HORECA FW Sprial quartz sleeve
49	JG LLD PE Tube - Blue O.D.1/4"
50	JG Reducing Elbow Connector 5/16" * 1/4"
51	JG LLDPE Tube - Blue 8mm
52	Equal Elbow 5/16"*5/16"
53	Classe SUS304 Water Cooling Pipe
54	JG Reducing Elbow Connector 5/16" * 1/4"
55	JG LLD PE Tube - Blue O.D.1/4"
56	JG Stem Elbow Connector 1/4" * 1/4"
57	JG Equal Tee Connector 1/4"
58	MS DC Solenoid Valve
59	JG Equal Elbow Connector 1/4"
60	JG LLD PE Tube - Blue O.D.1/4"

21	JG LLDPE Tube - Blue 8mm
22	Equal Elbow 5/16"*5/16"
23	Classe Sparkling Water pipe
24	Equal Elbow 5/16"*5/16"
25	JG LLDPE Tube - Blue 8mm
26	JG Non-Return Valve 5/16"(5/16SCV)
27	JG LLDPE Tube - Blue 8mm
28	Equal Elbow 5/16"*5/16”
29	JG Reducing Elbow Connector 5/16" * 1/4"
30	JG LLD PE Tube - Blue O.D.1/4"
31	JG Equal Straight Connector 1/4"
32	MS DC Solenoid Valve
33	JG Equal Tee Connector 1/4"
34	JG LLD PE Tube - Blue O.D.1/4"
35	JG Equal Elbow Connector 1/4"
36	JG LLD PE Tube - Blue O.D.1/4"
37	Flow Counter
	JG Straight Adaptor 1/4*1/4
	JG Straight Adaptor 1/4*1/4
38	JG LLD PE Tube - Blue O.D.1/4"
39	JG Equal Elbow Connector 1/4"
40	JG LLD PE Tube - Blue O.D.1/4"

61	Flow Counter
	JG Straight Adaptor 1/4*1/4
	JG Straight Adaptor 1/4*1/4
62	JG LLD PE Tube - Blue O.D.1/4"
63	JG Equal Elbow Connector 1/4"
64	JG LLD PE Tube - Blue O.D.1/4"
65	JG 3/8" x 1/4" Reducing Fitting
66	HORECA FW Sprial quartz sleeve
67	JG LLD PE Tube - Blue O.D.1/4"
68	JG Equal Elbow Connector 1/4"
69	MS DC Solenoid Valve
70	JG Equal Elbow Connector 1/4"
71	JG LLD PE Tube - Blue O.D.1/4"
72	JG Bulkhead Connector Union 5/16 * 5/16"
73	JG LLDPE Tube - Blue 8mm
74	JG Reducing Straight Connector 5/16-1/4”
75	JG LLD PE Tube - Blue O.D.1/4"
76	High Water pressure switch
77	JG LLD PE Tube - Blue O.D.1/4"
78	JG Straight Adaptor 1/4*1/4
79	Sparkling Safety valve kit
80	Classe Sparkling Tank

EXPLODED VIEW DIAGRAM AND PARTS LIST



No.	Part No.	Part Name
1	ST-0240-L00-00	Classe top cover
2	EN-0098-L00-00	Metal Push Button
3	ST-0239-L00-00	Classe Aluminium UI Panel with Purezza Logo
	ST-0273-L00-00	Classe Aluminium UI Panel with WL Logo
4	ST-0241-L00-00	Classe UI case
5	EL-0174-L00-00	Micro Switch with Lever
6	ST-0272-L00-00	Classe Micro Switch Cover
7	ST-0267-L00-00	Classe UI hinge stopper
8	PU-0027-I00-00	ODL Compensator(P-278202/8)
9	PL-0243-L00-00	Classe front panel
10	EN-0011-LB0-00	230V/50/60Hz Electronic FX Ballast - c/w wireharness
11	N/A	Horeca FW
12	ST-0238-L00-00	Classe front panel
13	ST-0260-L00-00	Classe LED pcb bracket
14	EN-0093-L00-00	Classe LED PCB indication
	PL-0267-L00-00	Classe LED PCB Shading Plate
15	EN-0097-L00-00	Classe Back Light
16	ST-0237-L00-00	Classe back panel
17	ST-0246-L00-00	Classe electric cover
18	EL-0206-L00-00	Classe Reset Filter Timer/Sleep Wire
19		
20	EL-5004	Switch - Power (Red)
21	EL-5052-B	AC Power Fuse Holder with Fuse (220V/10A) - Cube
22	EL-0008-L00-00	EMI Filter - 10A 080.01001.00
23	PU-0022-I00-00	JG Bulkhead Connector Union 5/16 * 5/16"(PM1208S)
24	ST-0245-L00-00	Classe electic panel
25	ST-0269-L00-00	Classe side panel window
26	CS-0073-I00-00	Classe air filter
27	ST-0235-L00-00	Classe side panel-R
28	PL-0251-L00-00	Classe Drip Tray Body Rail
29	ST-0265-L00-00	Classe Drip Tray Body rail support B
30	PL-0252-L00-00	Classe Drip Tray Body Move Bracket
31	PL-0253-L00-00	Classe Drip Tray Body Lock
32	ST-0244-L00-00	Classe ice bath bkt
33	CT-0036-L00-00	Classe Condenser
34	EN-0090-L00-00	Fan motor and blade 230v M4Q045 -172/34
	EN-0091-L00-00	Fan motor and blade 120V- M4Q045 -172/34
35	EN-0092-L00-00	Classe main control PCB
36	ST-0251-L00-00	Classe PCB case
37	ST-0259-L00-00	Classe Adaptor bracket
38	EL-0126-L00-00	GF MAX Adaptor
39	ST-8167CN	Unit Control Rubber Feet of WL2000
40	ST-0250-L00-00	Classe fan bkt2
41	ST-0249-L00-00	Classe fan bkt1
42	ST-0236-L00-00	Classe base plate
43	ST-0262-L00-00	Classe pump bracket
44	EN-0094-L00-00	Brass vane Pump P201 and Pump Motor 120W 220v MAA120401
45	PU-0024-I00-00	JG Straight Adaptor 8mm x 3/8 bsp STR. (PM010813E)
46	PU-4089KR	Equal Elbow 5/16"*5/16"(PM0308S)
47	CO-0041-L00-00	LG Compressor 230V -CMA121NBEM R600A
48	ST-0248-L00-00	Classe back bkt-R
49	PU-4086-DP	JG 1/4" STOPPER PI0808S - Duty paid
50	PU-4028-DP	JG Bulkhead Connector Union 1/4" * 1/4"-Duty Paid

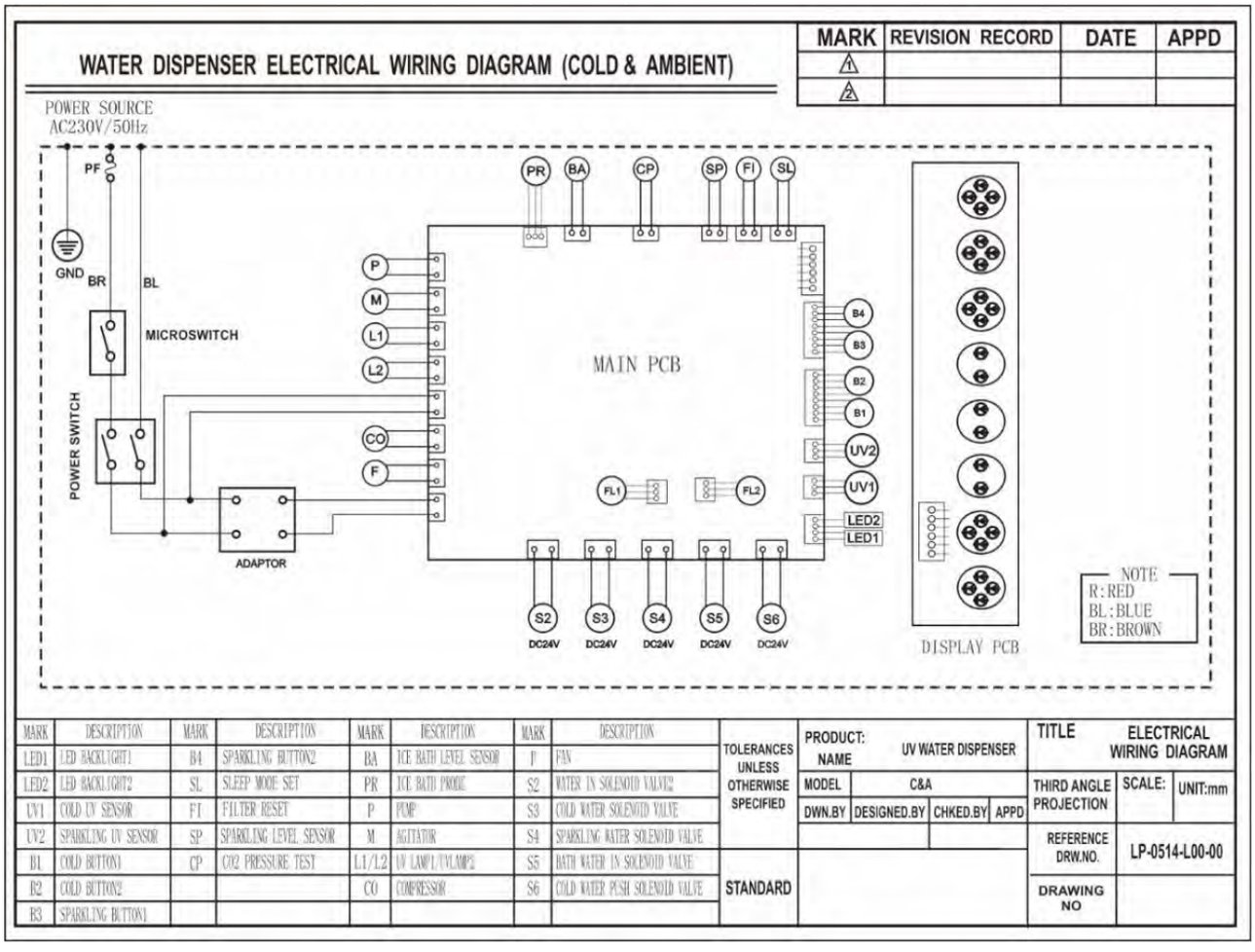
51	CO-9025	Domestic Filter Dryer (WL3000, WL950) 15.88*6.35*2.1(10g)
52	ST-0247-L00-00	Classe back bkt-L
53	PU-0028-I00-00	Sparkling Safety valve kit
54	CT-0040-I00-00	Classe Sparkling Tank
55	CT-0028-L00-00	WL7 Ice thickness detection probe
56	PL-0245-L00-00	Classe Bracket for Ice probe
57	ST-0252-L00-00	Classe ice probe bkt
58	PL-0257-L00-00	Classe Bracket for Ice Probe Down
59	ST-0255-L00-00	Classe ice bath top bkt
60	PL-0244-L00-00	Classe Seperating plate for cooling pipe and water pipe
61	ST-0268-L00-00	Classe water floator bracket
62	EN-0106-L00-00	Classe Water level floator
63	RO-0024	High Water pressure switch
64	PU-0021-P00-00	MS DC Solenoid Valve SWV24-02 Terminal at Inlet - DP
65	ST-0261-L00-00	Classe solenoid valve bracket
66	EN-0096-L00-00	Gicar Flow Counter FMPL-F-L-G1/4 d.3.7
67	PU-4011-DP	JG Equal Tee Connector 1/4" (PI0208S)-Duty Paid
68	ST-0257-L00-00	Classe sparkling pipe fix bkt
69	ST-0258-L00-00	Classe cooling pipe fix bkt
70	PL-0246-L00-00	Classe Ice Bath Box
71	CT-0038-I00-00	Classe SUS304 Gas Cooling Pipe
72	CT-0037-I00-00	Classe SUS304 Water Cooling Pipe
73	ST-0256-L00-00	Classe cold pipe fix bkt
74	CT-0039-I00-00	Classe Sparkling Water pipe
75	PU-4089KR	Equal Elbow 5/16"*5/16"(PM0308S)
76	PL-0256-L00-00	Classe ICE Bath Agitator Blade
77	ST-0253-L00-00	Classe agitator bkt
78	EN-0101-L00-00	Classe Agitator 230V 186MM
	EN-0102-L00-00	ICE Bath Agitator 120V 187MM
79	ST-0266-L00-00	Classe Agitator Saftey Cover
80	ST-0254-L00-00	Classe sparkling tank bkt
81	PL-0254-L00-00	Classe Bottle Guide
82	PL-0255-L00-00	Classe Drip Dray Level Indicator
83	ST-0242-L00-00	Classe drip tray gill
84	ST-0243-L00-00	Classe drip tray Body
85	ST-0263-L00-00	Classe Drip Tray Body support
86	CS-0073-I00-00	Classe air filter
87	ST-0269-L00-00	Classe side panel window
88	PL-0251-L00-00	Classe Drip Tray Body Rail
89	ST-0264-L00-00	Classe Drip Tray Body rail support A
90	PL-0252-L00-00	Classe Drip Tray Body Move Bracket
91	PL-0253-L00-00	Classe Drip Tray Body Lock
92	ST-0234-L00-00	Classe side panel-L

ELECTRICAL DIAGRAM

HIGH VOLTAGE ELECTRICAL HAZARD

WLH2 Firewall™ Unit and PCB (Printed Circuit Board) contain high voltage hazard. Only trained and qualified technicians should attempt live testing and troubleshooting.

Electrical Diagram 230V

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