

TERA ONE

# USER MANUAL

4-Stage UF Filtration Water Dispenser





## CONTENTS

<b>1. Important Safety Instructions .....</b>	<b>01</b>
<b>2. Product Feature Introduction .....</b>	<b>02</b>
<b>3. Packing List .....</b>	<b>03</b>
<b>4. Technical Parameters .....</b>	<b>05</b>
<b>5. Electric Schematic Diagram .....</b>	<b>06</b>
<b>6. Structure Instruction .....</b>	<b>08</b>
<b>7. Installation Procedures .....</b>	<b>10</b>
<b>8. How to Install .....</b>	<b>11</b>
<b>9. How to Use .....</b>	<b>11</b>
<b>10. Troubleshooting .....</b>	<b>14</b>



## IMPORTANT SAFETY INSTRUCTIONS

Thanks for choosing Kloud Tera One. In order to use and maintain this product correctly, please read the manual carefully before using. Keep the manual properly.

1. This is a vertical water dispenser, please place it on the ground firmly to avoid falling.
2. Operation conditions:  
Water source: municipal tap water  
Feed water pressure: 0.1MPa ~ 0.4MPa  
Feed water temperature: 5-38°C  
Altitude: <1500meter
3. Check the product from time to time to see if there is any leakage on the connections or any creepage on the wires. If the product fails, please cut off the water and power supply immediately, and contact your dealer.
4. If this product won't be used for a long time, cut off water and power supply. If it hasn't been used for more than 3 days, drain off all the remaining water in tanks and flush the system for more than 5 minutes before putting it into use again.
5. This product is strictly forbidden to be operated by children and is designed for indoor use only. Do not use it in an explosive environment.
6. Every machine will be going through a water leakage test before packing. It is normal to have residual water stains.
7. Installation and maintenance should be performed by a professional. It's necessary to follow this instruction manual strictly, otherwise our company will not be responsible for any failure or consequence.



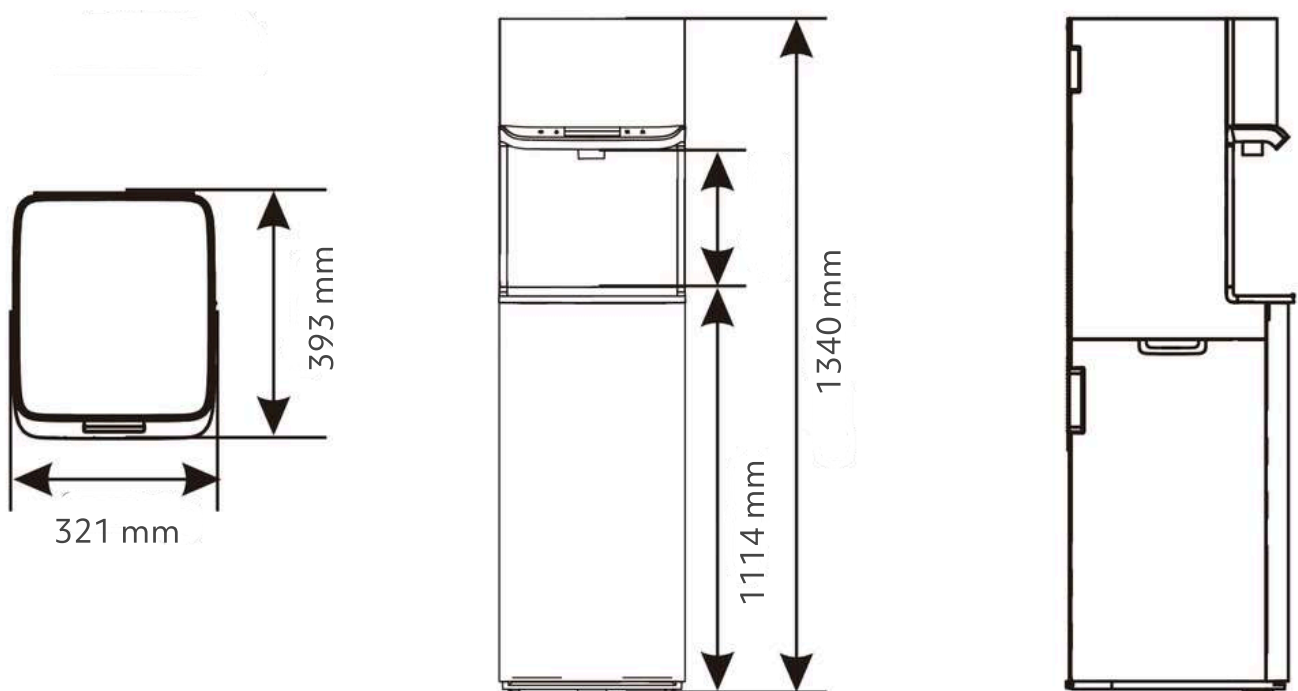
## PRODUCT FEATURE INTRODUCTION

### ✓ Product Introduction

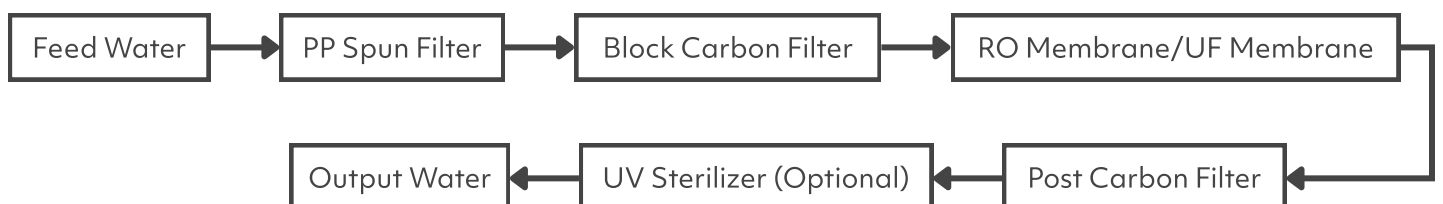
Water Dispenser with hot, cold, and ambient water. Recommended installation places: office, club, hotel, airport, train station, etc.

### ✓ Product Dimension

**321\*393\*1164mm**



### ✓ Water Treatment Process





## ✓ Main Function

Filter Cartridges		Function
1 <sup>st</sup> Stage	PP Spun Filter	Remove large suspended particles in water
2 <sup>nd</sup> Stage	Block Carbon Filter	Further remove organics, chlorine, odor, color and turbidity
3 <sup>rd</sup> Stage	RO Membrane 1 SOG	Remove bacteria, heavy metals, dissolved matters and salinity
	UF Membrane	Remove suspended particles, turbidity, bacteria and other harmful substances
4 <sup>th</sup> Stage	Post Carbon Filter	Adjust the taste of purified water
Output Water		Ambient/Hot/Cold

## PACKING LIST

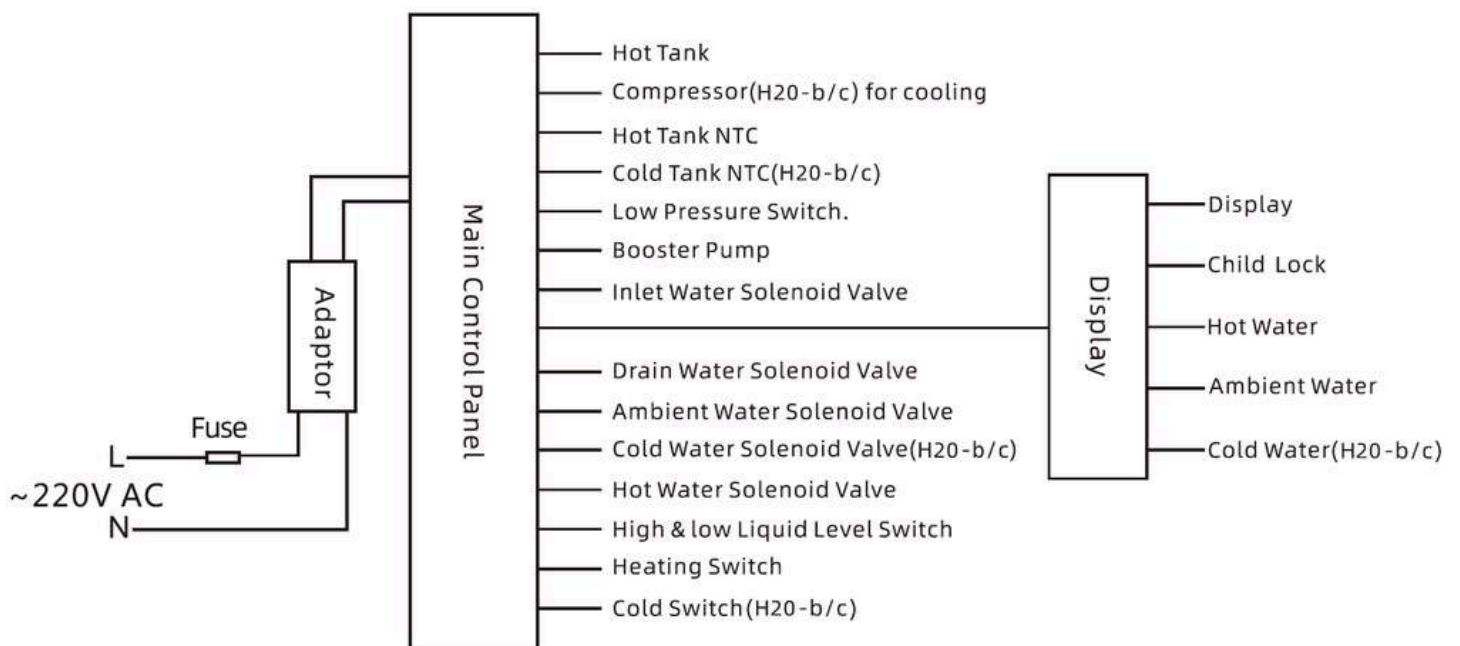
Name	Quantity	Name	Quantity
Main Body	1 Set	Accessory	1 Bag
PP Spun Fiber	1 Piece	RO Tube 3/8" White	1.5 Meters
Block Carbon Filter	1 Piece	RO Tube 1/4" Red	1.5 Meters
RO Membrane/UF Membrane	1 Piece	RO Tube 1/4" White	1.5 Meters
Post Carbon Filter	1 Piece	Instruction Manual	1 Piece



## TECHNICAL PARAMETERS

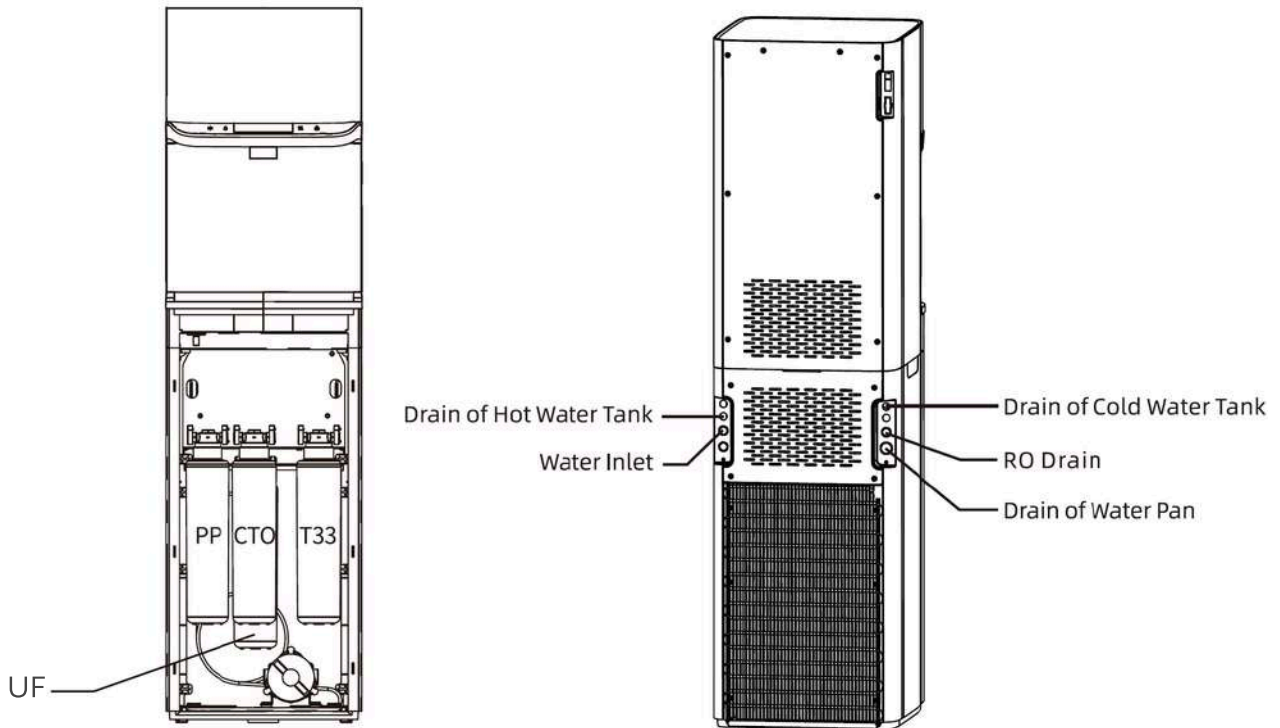
<b>Model Name</b>	Tera One		
<b>Inlet Water Pressure</b>	0.1 MPa ~0.4 MPa		
<b>Voltage and Frequency</b>	220V, 50Hz/110V, 60Hz		
<b>Rated Power</b>	1550W	950W	650W
<b>Heating Power</b>	1500W	800W	500W
<b>Cooling Power</b>	-	110w	110w
<b>Inlet Water Temperature</b>	5~38°C		
<b>Purified Water Flow</b>	0.39L/Min		
<b>Total Rated Purified Water</b>	2000L		

## ELECTRIC SCHEMATIC DIAGRAM





## STRUCTURE INSTRUCTION



## INSTALLATION PROCEDURES

### 1. Tools Required:

- Cross Screw Driver
- Adjustable Wrench
- Scissors

### 2. Please check if the accessories are complete as Packing List mentioned.

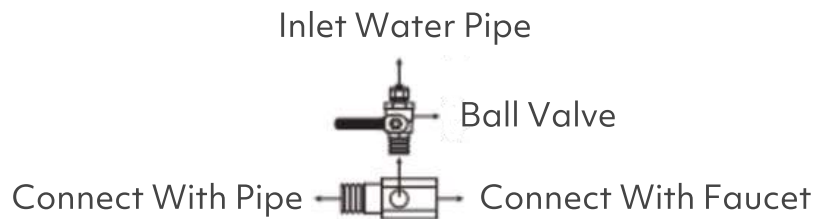
### 3. Installation Position Required:

- Close to 220V/110V Socket
- Close to municipal tapwater source
- Close to drain outlet, please note that the position of drain pipes should be at least 20 cm lower than water pan.



#### 4. Installation for Inlet Ball Valve and Tee Fitting.

- Install Tee Fitting and Feed Water Valve as per diagram below.
- Wrap threads of Feed Water Valve and Tee Fitting with Teflon tape.
- Connect White Feed Water tube from unit to Feed Water Valve.
- Install the Feed water valve Tee fitting, and then connect to source water.



5. Cut RO tube flatly to appropriate length and prepare 2 pieces. Connect ball valve to water inlet port with one piece, and connect the drain to the waste water port with the other piece. Connect the silicon tube to the drain of the water pan or a bucket.

6. Take off the front panel and install filter cartridges to water purifier according to the labels indicated above. After filters are installed, cover the front panel.

#### 7. First Use Instruction

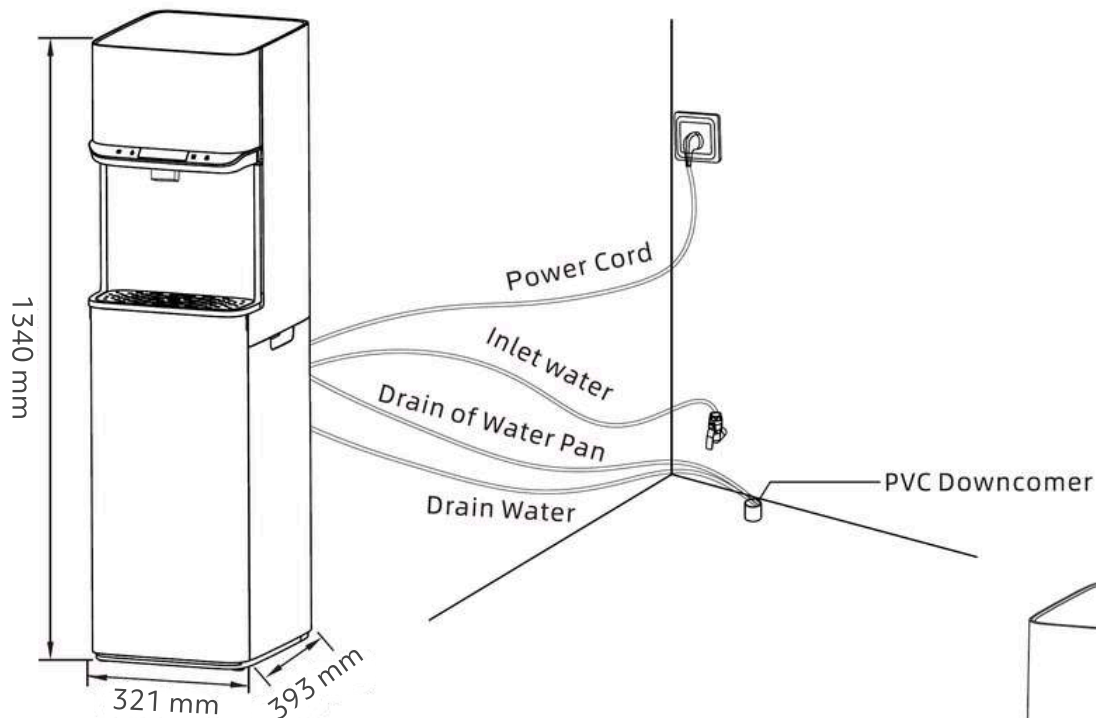
- Open Inlet Ball Valve, connect power supply and power on, the machine will start producing water. During this period, the switch for heating should be off.
- After the machine completes water production, cut off the power supply. Connect the silicon tube to "drain of hot water tank" and connect the other end to drain of the house or a bucket to drain out all the water in the tank.
- Power on again and make the machine to produce water and then drain out all the water in the tank after water production is completed. Repeat this process for 2 to 3 times to flush the machine. During this process, pay attention to all connections to see if there is any leakage.
- After flushing, take off the silicon tube and pack it up. Block the "drain of hot water tank".



## HOW TO INSTALL

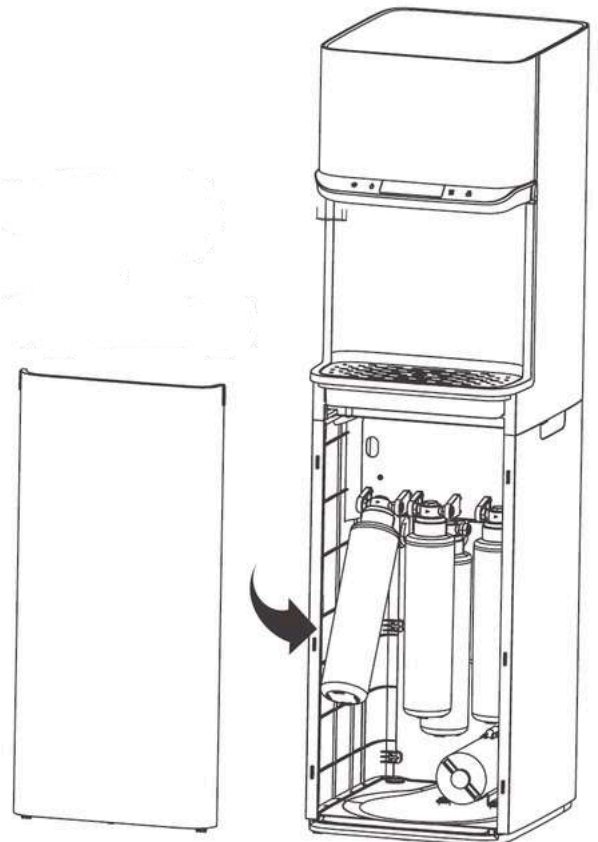
### Install the drain pipe:

Firstly, cut two pieces of PE pipes in suitable length and make sure the notches are flat and smooth. And then, connect the outlet of RO drain water and Water Pan to PVC downcomer.



### Install the filter cartridge:

1. Take off the front panel of the dispenser.
2. Insert the filter cartridge into the cap and then twist the body of the cartridge clockwise until match the right position. Please pay attention to the positions of filter cartridges and install them in right order.

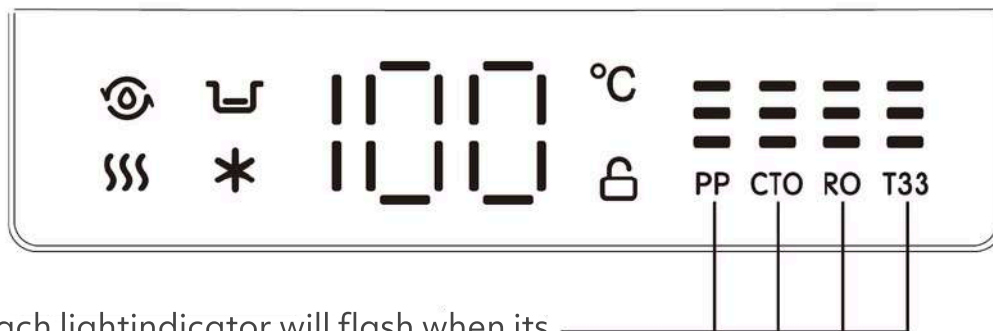




## HOW TO USE

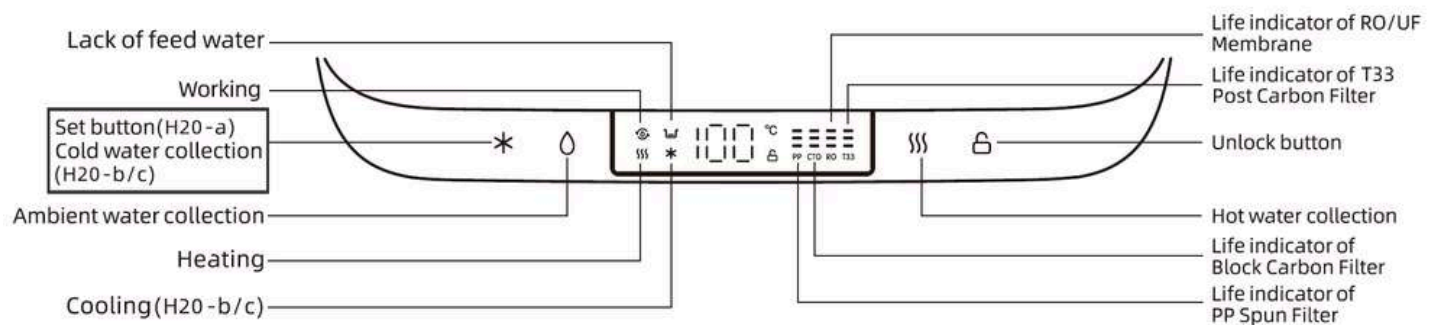
### ✓ Service Life of Filter Cartridges & Filter Change Reminder

Light Indicator	Light Indicator Display	Remaining Life time	Recommended Change Time
PP, CTO, T-33	3 blocks light on	135-90 Hours	6 Months
	2 blocks light on	90-45 Hours	
	1 block light on	45-0 Hours	
RO/UF Membrane	3 blocks light on	270-180 Hours	12 Months
	2 blocks light on	180-90 Hours	
	1 block light on	90-0 Hours	



Each light indicator will flash when its corresponding filter cartridge's life time is runs out.

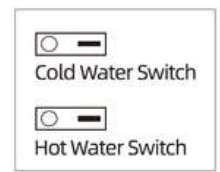
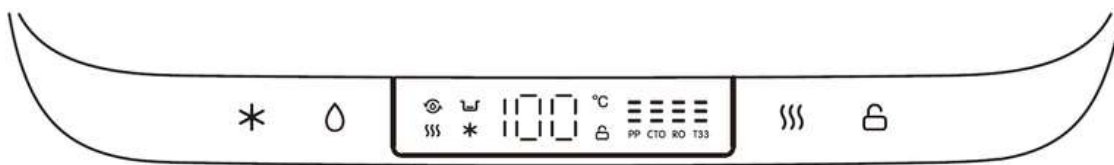
### ✓ Control Panel





## ✓ Filter Life Reset

1. Press the " Ambient Water collection" button and " Set (H20-a)/Cold water collection (H20-b/c)" button for 3 seconds, and then the machine will enter filter life reset mode.
2. Press the " Ambient Water collection" button again to select the filter required to be reset, and the Life indicator of filter selected will be flashing. Then hold on the " Ambient Water collection" button for 3 seconds to complete the reset.
3. The machine will exit the filter life set mode if there is no operation within 10 seconds.



Back side of Machine

## ✓ How to Get Ambient Water

1. Press " Ambient Water collection" button to get water.
2. Press the button again to stop the output.
3. After pressing the " Ambient Water collection" button, the machine will conduct a 60-seconds ambient water output unless the " Ambient Water collection" button is pressed again to stop the output.

## ✓ How to Get Hot water

1. Heating switch on (switch position will be from "0" to "-"), the machine will start heating.
2. Press the " unlock button ", then you will hear a sound " Deep \*, the hot water status is released and will last for 3 seconds. Then press the "Hot water collection " button, you will get hot water.
3. Press any button during the water process, the hot water output will be ended.
4. After pressing the " Hot Water collection" button, the machine will conduct a 60 seconds hot water output unless the " Hot Water collection" button is pressed again to close the water.



## **How to Get Cold Water**

1. Cooling switch on (switch position will be from "0" to "-"), the machine will start cooling.
2. Press the "Cold water collection" button, you will get cold water output. Press the button again, the output will be ended.
3. After pressing the \* Cold Water collection" button, the machine will conduct a 60 seconds cold water output unless the \* Cold Water collection" button is pressed again to close the water.

## **How to Flush**

1. The machine will flush itself for 30 seconds when it's power on.
2. The machine will flush itself for 60 seconds every four hours.

## **Memory**

Even though the machine is power off, it will still record all data automatically, such as service life of filter, mode of the machine, etc.

## **Power Saving Mode**

If there is no any manual operation within one minute, the machine will enter into power saving mode.

This model only weakens the brightness of the display, it does not turn off any other functions.



## TROUBLESHOOTING

Problem	Cause	Solution
All light indicators off	1) Power Supply Cord is not connected to power	1) Connect Power
	2) Power Switch is off	2) Turn on Power Switch
	3) Circuit failure	3) Make sure that all wires are good and connected well
	4) Defective adapter	4) Contact your local dealer for a new adapter
“Lack of feed water” indicator is on	1) Water inlet is off	1) Make sure all inlet valves are on
	2) Low feed water pressure	2) Increase feed water pressure
	3) Defective low pressure switch	3) Contact your local dealer for a new low pressure switch
	4) Defective electric control board	4) Contact your local dealer for a new electric control board
The machine is in water production mode but no water output	1) Filter cartridge blocked or not installed correctly	1) Replace the filters or install them correctly
	2) Defective input solenoid valve	2) Contact your local dealer for a new solenoid valve
	3) Floated switch damaged or blocked	3) Contact your local dealer for a new float switch or adjust its position
Machines does not heat	1) The machine started heating when hot water tank is empty, thus it shuts off the heating function for protection	1) Reset the temperature switch
	2) Circuit failure	2) Check and repair circuit
	3) Defective Hot water tank	3) Contact your local dealer for a new hot water tank
	4) Defective electric control board	4) Contact your local dealer for a new electric controller
Machines does not cool	1) Leakage of refrigerant	1) Find the position of leakage, and weld it. After that, vacuumize the compressor and add the refrigerant.
	2) Capillary of compressor is clogged	2) Dismantle the capillary of compressor, and clean it. After that, weld it again onto the compressor, and meanwhile replace the dry filter.
	3) Defective compressor	3) Replace
Water outlet does not stop	1) Defective solenoid valve	1) Replace the outlet solenoid valve
	2) Defective electric control board	2) Replace the electric control board

K L O U D

Tera One



KLOUD™ | DESIGNED IN UAE

[www.kloudfilter.com](http://www.kloudfilter.com)

Water, The Way It *Should* Be \_\_\_\_\_ 