

Sparkling Chilled Water Dispenser

SC27CE / SC27CB / SC27CA / SC27CU

SC27DE / SC27DB / SC27DA / SC27DU



Installation and Operating Guide

Be sure to store this instruction manual in a secure location once your unit is set up. You might need to refer to it for general guidance or future maintenance.

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Thank You for Choosing !

We truly appreciate your trust in our Under Counter Sparkling Chilled Water Dispenser, It's our pleasure to bring convenience and quality to your daily routine. If you have any questions or feedback, we're always here to help.

For the best experience, please follow the step-by-step instructions in the manual—we're confident you'll love the convenience of purified, chilled, sparkling water!

Warnings

1. ELECTRICAL & WATER SOURCE HAZARD

- Install within reach of a grounded electrical outlet.
- Connect to RO FILTERED COLD WATER SUPPLY ONLY (40-80psi water pressure required).
- Keep power cord and unit away from moisture. Failure to comply risks electric shock or flooding.

2. PROFESSIONAL INSTALLATION REQUIRED

- MUST be installed by a licensed plumber and qualified technician per local codes.
- Incorrect installation voids warranty and may cause leaks/component failure.

3. FLAMMABLE REFRIGERANT (R290)

- Contains a SMALL QUANTITY (38g) of isobutane refrigerant.
- FLAMMABLE if leaked. Do not puncture refrigerant lines.
- Service/disposal MUST be performed by EPA-certified technicians.

4. VENTILATION REQUIREMENT

- Maintain ≥ 2 inches (5 cm) clearance around sides/back.
- Blocked vents cause overheating, efficiency loss, or safety shutdown.

5. WATER SOURCE & USAGE RESTRICTIONS

- ONLY use Reverse Osmosis (RO) filtered water – minerals in non-RO water cause scale buildup and permanent damage.
- Dispense ONLY POTABLE WATER. Do not add syrups, juices, or other liquids.

6. FILTER & SANITATION CRITICAL

- Replace water filter cartridge per schedule.
- Sanitize water lines annually to prevent bacterial growth.

7. MAINTENANCE & STORAGE PROTOCOL

- ALWAYS disconnect power + shut off water before servicing.
- Long-term storage: If unused >30 days, drain all water from internal tanks (see Maintenance section).
- Clean exterior only with damp cloth.

8. CHILD SAFETY NOTICE

- Dispensing levers require deliberate force but are not child-proof. Supervise children near unit.

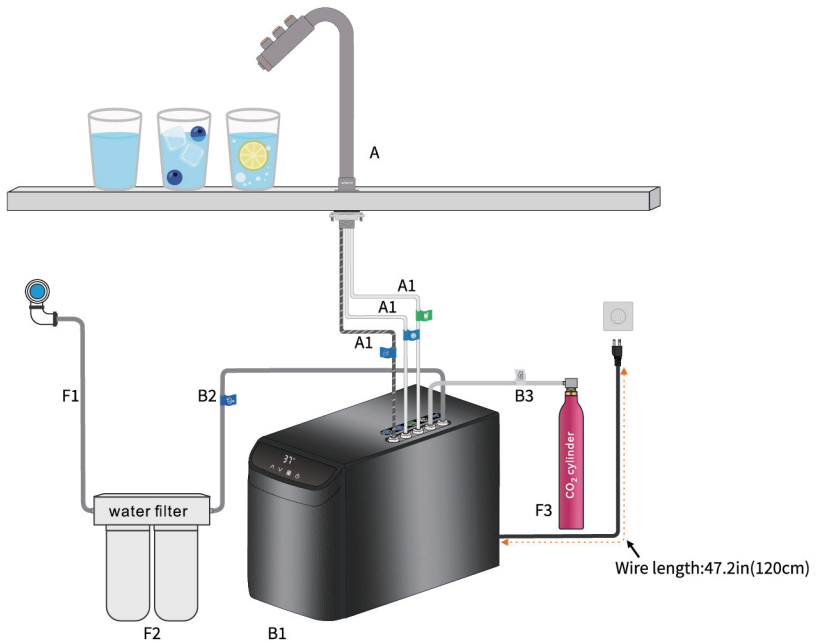
9. END-OF-LIFE DISPOSAL

- Refrigerant recovery by certified personnel REQUIRED per EPA regulations.
- Contact local waste authority for recycling/disposal procedures.

Contents of Packages

For SKU TC31MA system

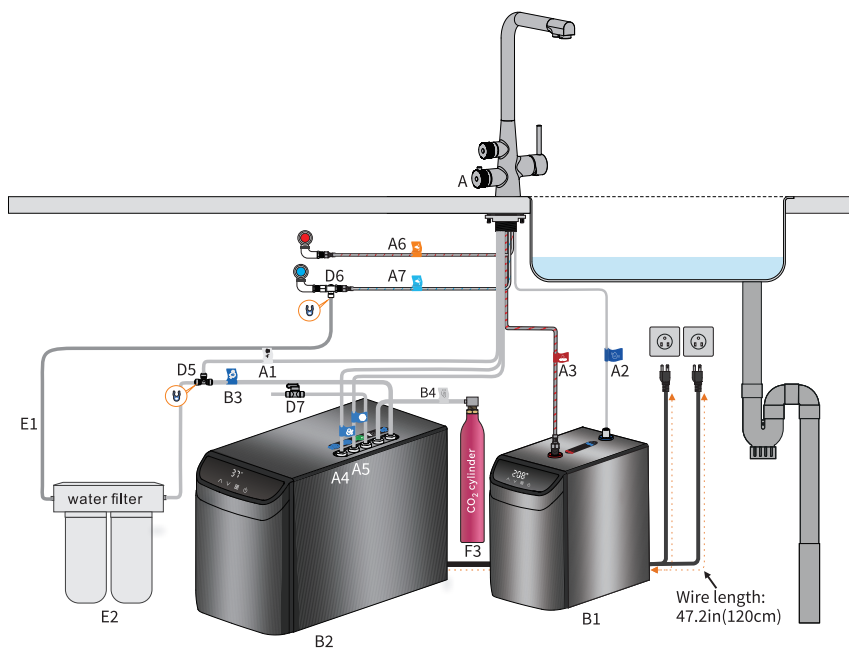
No	Parts Name & Quantity
A	A1: 3 in 1 Dispenser Faucet x1 1 transparent chilled water tube 1 braided hose for sparkling water
B	B1: Sparkling Chilled Water Dispenser Unit x1 B2: 1/4" White Tube for source of purified water x1 B3: 1/4" White PE Tube for CO ₂ x1
C	C1: User Manual Book x1
D	D1: Rubber Gasket x1 D2: Stainless Steel Washer x1 D3: Fixing Nut x1 D4: (M6*18) Round Head Phillips Screw x 2



Contents of Packages

For SKU T51MA system

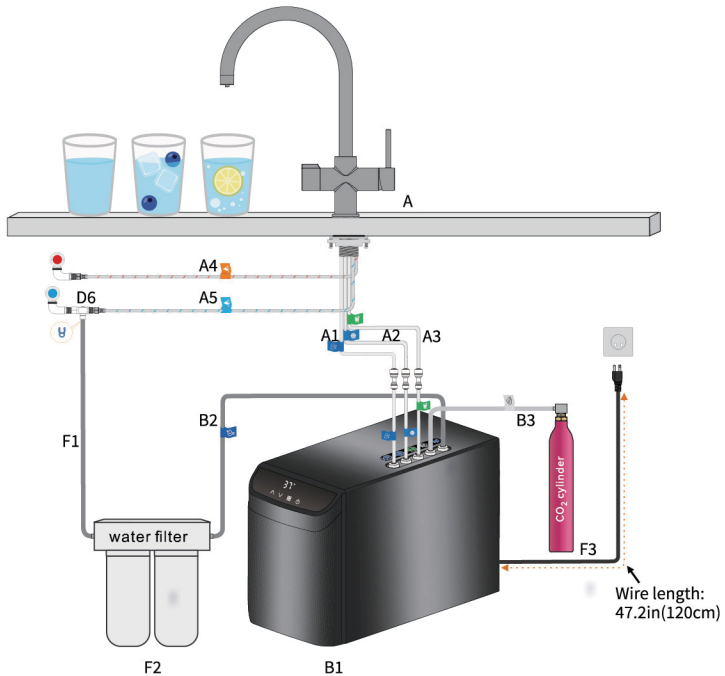
No	Parts Name & Quantity
A	A1: Activate Water pipe for Boiling Water x1
	A2: Inlet Pipe for Boiling Water Machine x1
	A3: Boiling Water Pipe x1
	A4: Sparkling Water Pipe x1
	A5: Chilled Water Pipe x1
	A6: Demestic Hot Water Pipe x1
	A7: Demestic Cold Water Pipe x1
B	B1: Hot Water Dispenser Unit x1
	B2: Sparkling Chilled Water Dispenser Unit x1
	B3: 1/4" White Tube for source of purified water x1
	B4: 1/4" White PE Tube for CO x1
C	C1: User Manual Book x2
D	D1: Rubber Gasket x1
	D2: Stainless Steel Washer x1
	D3: Fixing Nut x1
	D4: (M6*18) Round Head Phillips Screw x 2
	D5: Plastic Three-way Valve X1
	D6: Plastic Three-way Ball Valve X1
	D7: Plastic Three-way Ball Valve X1
	D8: Blue Locking Clip x4



Contents of Packages

For SKU TC51MA system

No	Parts Name & Quantity
A	A1: Sparkling Water Pipe x1 A2: Ice Water Pipe x1 A3: Purified Water Pipe x1 A4: Demestic Hot Water Pipe x1 A5: Demestic Cold Water Pipe x1
B	B1: Sparkling Chilled Water Dispenser Unit x1 B2: 1/4" White Tube for source of purified water x1 B3: 1/4" White PE Tube for Co x1
C	C1: User Manual Book x1
D	D1: Rubber Gasket x1 D2: Stainless Steel Washer x1 D3: Fixing Nut x1 D4: (M6*18) Round Head Phillips Screw x 2 D5: 3/8" to 1/4" quick connector x 3 D6: Plastic Three-way Ball Valve X1



Technical Specifications









Products Name	Sparkling Chilled Water Dispenser Unit	
Model No.	SC27CE/SC27CB/SC27CA/SC27DE /SC27DB/SC27DA	SC27CU/SC27DU
Voltage	220V-240V~ 50/60Hz	110V-120V~ 60Hz
Wattage	185W	
Temp.Setting	37°F-54°F(3C-12°C)	
Water Pressure	21.7-58psi(0.15-0.4MPa)	
Co2 PressureTank	50.76-65.27psi(0.35-0.45MPa)	
Capacity	Chilled Water 0.71gal (2.7L) Sparkling Water 0.26gal(1L)	
Water Proof	IP22	
Tank Material	SUS304	
Refrigerant	R290(38g)	R600a(58g)

Installation Guide


Before installing the product, open the packaging and check the packing list in the instructions to make sure you have all the parts, Pre-identify the five connection points on the sparkling chilled water dispenser.



Icon Description Guide

Icon	Name	Function Description
	ON/OFF	Turns the dispenser on or off.
	Switch Button	Switches temperature display between °C and °F.
	Up Button	Increases the set temperature.
	Down Button	Decreases the set temperature.
	WiFi Indicator	Solid light =connected. Flashing =pairing. Hidden =no WiFi connection.
	Temp. Display	Shows real-time water temperature. In setting mode, shows the target temperature.
	Cooling Indicator	The light turns on when the machine is cooling.
	Low CO ₂ Indicator Light	Remind you need to replace the CO ₂ cylinder, after replacement, the Low CO ₂ indicator Light turns off.

Troubleshooting Guide

Fault	Possible Cause	What To Do
The screen is off.	The power supply is not connected.	Verify that the power cord is securely plugged in.
	The adapter has no power out put.	Check or replace the power adapter.
	The display or PCB board is damaged.	Replace the display panel or PCB board.
	Connector cable is loose.	Check the connector cable and firmly replug it.
E0 appear	Water supply is not connected.	Make sure the water source is properly connected.
	Low water level in tank.	Turn on the filtered water switch to see if water or air discharges. If air discharges, turn the filtered water switch ON for 5 seconds, then turn it OFF for 5 seconds (one cycle). Repeat this process until you get a smooth stream of purified water without splashing or air discharge.
	Water level sensor wiring loose.	Make sure the water level sensor is well connected or unplug and firmly reconnect it again.
	PCB board damaged.	Replace the PCB board.
E3 appear	Poor contact on temperature sensor.	Inspect the middle temperature sensor wiring.
	Temperature sensor damaged.	Replace the middle temperature sensor if necessary.
EU appear	Flat Flexible Cable is Not Properly Connected or Communication Failure.	Securely reconnect the FFC (Flat Flexible Cable) or replace the FFC.
 appear	1. CO ₂ cylinder not connected. 2. CO ₂ cylinder valve not open. 3. Not enough CO ₂ gas.	1. Verify CO ₂ cylinder is securely connected. 2. Open the CO ₂ cylinder valve. 3. Replace the CO ₂ cylinder.



Fault	Possible Cause	What To Do
E7 appear	Liquid level detection fault.	Restart the machine.
E8 appear	Cooling system fault; unable to lower temperature.	Check the cooling system.
E9 appear	Anti-freeze protection triggered.	Restart the machine. E9 will disappear.
	Temperature sensor damaged.	Replace the temperature sensor.

Function & Operation Guide


Functional Description

Initial Use: For first-time operation, always follow the "First Time Use Instruction" to purge air and fill the water tank.

Low Water Protection: When the water level sensor detects an empty or low tank, the display shows "E0" and the unit stops functioning. Normal operation resumes after refilling when "E0" disappears.

Low Gas Alert: If gas pressure is insufficient, the display shows . Replace the gas cylinder; the  icon disappears when pressure is restored.

Temperature Differential (ΔT) Setting: Set the trigger threshold for cooling – the difference between actual water temperature and set temperature. Select from 37°F, 41°F or 50°F (3°C, 5°C, or 10°C) (default: 37°F/3°C).

Cooling Activation: Cooling starts when ΔT reaches the set value and continues until actual water temperature matches the set temperature. While cooling is active, the indicator light  remains steadily illuminated. It turns off only when the machine stops cooling.

Screen Saver: Display brightness automatically dims after user inactivity.

Power-Off Memory: After power restoration, the unit retains previous settings but boots in OFF state.

For the best-tasting sparkling water, keep the CO₂ pressure between 50.76-65.27 psi(0.35-0.45Mpa) and the water temperature below 54°F(12°C).


Remote Control (for App-Enabled Models): Use the mobile app to turn the unit on or off, set the water temperature, and switch the temperature display between Celsius (°C) and Fahrenheit (°F).

Note: The unit must be connected to Wi-Fi to enable remote control features.

The faucet head is 360-degree swiveling.


Operation of Water Dispenser Unit


1. Power ON/OFF:


To Turn On: While the unit is OFF, single press the Power Button  to power on.


To Turn Off: While the unit is ON, single press the Power Button  to power off.

2. Temperature Setting (While Unit is ON):

Increase Temperature: Single press the Up Button  , The set temperature will increase step-by-step through these settings: 37°F, 39°F, 41°F, ... up to 54°F (3°C, 4°C, 5°C, ... up to 12°C).

Decrease Temperature: Press the Down Button  once. The set temperature will decrease step-by-step through these settings: 54°F, 52°F, 50°F, ... down to 37°F, (12°C, 11°C, 10°C, ... down to 3°C).

3. Temperature Unit Switch (While Unit is ON): Press and hold the Switch Button  to switch the display between Celsius (°C) and Fahrenheit (°F).




4. Temperature Differential Setting: While the unit is on, single press the button  to cycle through the differential options: 37°F/41°F/50°F (3°C / 5°C / 10°C) (factory default is 37°F / 3°C). When the difference between the Set Temperature and the Outlet Water Temperature exceeds the set differential, the unit resumes cooling to reach the set water temperature.

5. Wi-Fi Setup & Control (for Models with Wi-Fi Module):

The unit can connect to your Wi-Fi network and be controlled/monitored remotely using the Tuya or Smart app on your phone. Functions include Power ON/OFF, Temperature Setting, °C/°F Switch, and checking the unit's status. (Requires an active internet connection for Wi-Fi features.)



(Scan the QR code to download the app)

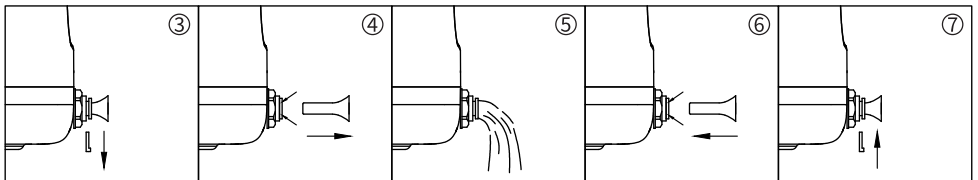
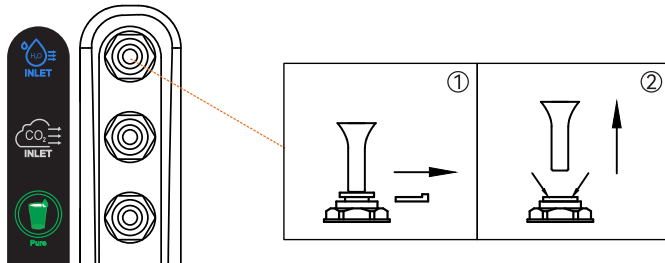
6. To Connect to Wi-Fi: While powered off, press and hold the  for 5 seconds to enter WiFi setup mode. If the connection is successful, the  will stay solidly lit. When no network is available or if setup fails, the  will keep flashing. If no connection is established after 2 minutes, the flashing light will turn off.

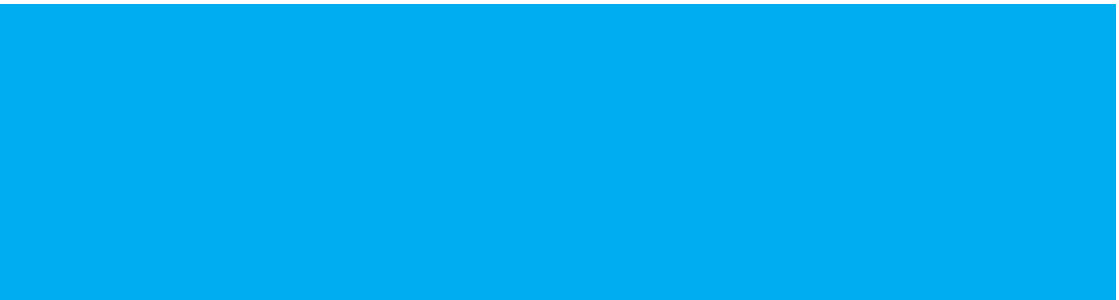
Maintenance

Cleaning the Exterior: Regularly wipe the outer surface with a soft, damp cloth. Do not use corrosive cleaners or abrasive brushes, as they may damage the finish.

Preparing for Extended Non-Use (Draining the Unit): If the unit will not be used for a long period, follow these steps to shut off power, disconnect water, and drain all stored water:

- ① **Cut Power/Water/Gas:** Disconnect the power and shut off the water/CO₂ supply valves, and elevate the unit. Remove the blue locking clip at water inlet.
- ② **Pull Out Water Tube:** While squeezing the top of the inlet fitting as indicated by arrows, firmly pull the tubing straight out.
- ③ Remove the locking clip from the drain outlet at the rear.
- ④ Press the top of the drain fitting (arrow direction) and remove the flare plug.
- ⑤ **Drain the Water:** Press the top part of the drain outlet connector as indicated by the arrow, and pull out the flared plug. Place a container under the drain port to catch the water (or attach a 1/4" PE tube to drain water directly into a sink). Wait until water stops flowing from the drain port.
- ⑥ Reinsert the flare plug into the drain fitting.
- ⑦ Secure with the blue locking clip.





OPERATION & INSTALLATION INSTRUCTIONS

Product colour and image shown may vary from the actual product.