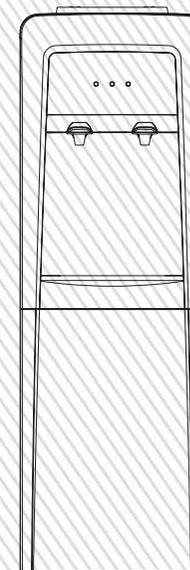


Premium

Dispensador De Agua

Water Dispenser

Modelo/Model: PWC225Q



Premium

Manual de uso y cuidado
Precauciones importantes

Este producto es para uso domestico únicamente.

This product is for domestic use only
Use & care manual
Important safeguards

IMPORTANT SAFETY NOTICE

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical ,electronic and mechanical experience .Any attempt to repair a major appliance may result in personal injury and property damage .The manufacture or seller cannot be responsible for the interpretation of this information ,nor can it assume any liability in connection with its use.

WARNING

To avoid personal injury ,disconnect power before servicing this product .If electrical power is required for diagnosis or test purpose ,disconnect the power immediately after performing the necessary checks.

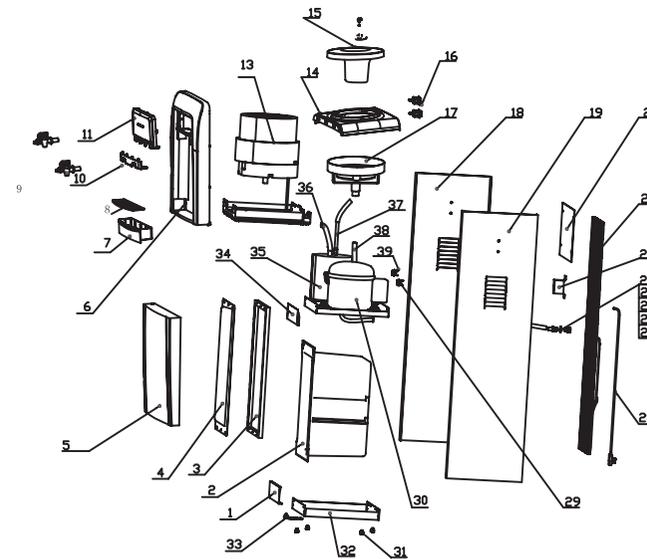
RECAPITULATING

This machine is one of water dispenser series. With adoption of distinctive thermal isolation technology, it can minimize thermal exchange between hot & cold water. It satisfy the need of cooking tea & coffee and making cool drink. Its suitable for the use at home and in public.

The machine is suitable for bottle of 3 or 5 gallons .Don't use unhealthy hard water .And it should work under environment of temperature from 10°C 38°C relative humidity not higher than 90%.

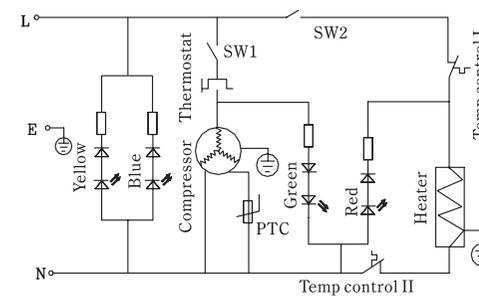
EXPLODE VIEW AND PARTS LIST

EXPLODED VIEW MODEL:PWC225Q



39	Water tap	1
38	Hot water tap	1
37	Hot water tap	1
36	Hot water tap	1
35	Hot water tap	1
34	Hot water tap	1
33	Hot water tap	1
32	Hot water tap	1
31	Hot water tap	1
30	Hot water tap	1
29	Hot water tap	1
28	Hot water tap	1
27	Hot water tap	1
26	Hot water tap	1
25	Hot water tap	1
24	Hot water tap	1
23	Hot water tap	1
22	Hot water tap	1
21	Hot water tap	1
20	Hot water tap	1
19	Hot water tap	1
18	Hot water tap	1
17	Hot water tap	1
16	Hot water tap	2
15	Hot water tap	1
14	Hot water tap	1
13	Hot water tap	1
12	Hot water tap	1
11	Hot water tap	1
10	Hot water tap	1
9	Hot water tap	3
8	Hot water tap	1
7	Hot water tap	1
6	Hot water tap	1
5	Hot water tap	1
4	Hot water tap	1
3	Hot water tap	1
2	Hot water tap	1
1	Hot water tap	1
NO.	NAME	QTY

CIRCUIT DIAGRAM

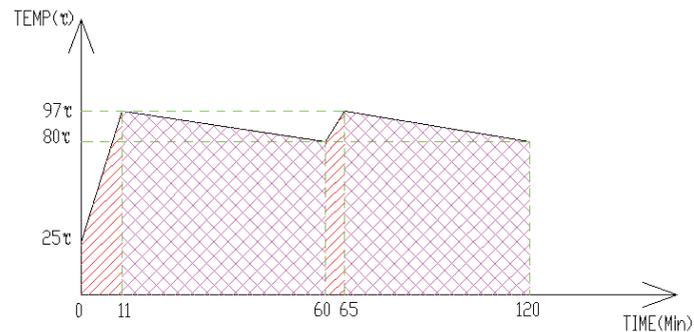


FUNCTION

Heating System:

Theory : The stainless steel heater is directly touched with the water in the hot tank ,and let the water hot .

Heating Diagram:



/// Area of Heating

⊗ Area of Keeping Warm

Hot Water Tank:

Power : 500W

The Water Temperature : $\geq 90^{\circ}\text{C}$

Hot Water Tank Material : SUS301

Hot Water Tank Capacity : 5.0L/hour

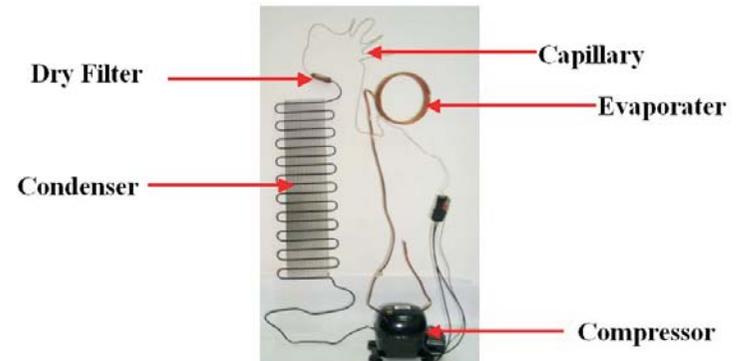
Temperature Control : Double Bimetallic Thermostat (Chinaware)



Cooling System:

Theory : The compressor changes the refrigerant between liquid and vapour ,and let the water and refrigerator cool .

Parts View:



System Data:

Power : 85W

The Water Temperature : $\leq 10^{\circ}\text{C}$

Cold Water Tank Material : SUS301

Cold Water Tank Capacity : 2.0L/hour

Major technical parameters of water dispenser

Power source	110~60Hz	Temperature	10℃~38℃
Relative humidity	45%~75%	Elevation ability	It's plateau machine if elevation surpasses 1000M.
Heating power	500W	Capacity of making hot water	5L/h(≥90℃)
Cooling power	Electronic cooling 65W Compressor cooling 85W Refrigerator cooling 100W	Capacity of making cold water	Electronic cooling 0.5~0.8L/h(≤15℃) Compressor cooling 2L/h(≤10℃)
Operating environment	No combustible, explosive and corrosive gas and electric conduction dust and no strenuous vibration etc. in ambient air (the ambient temperature of electronic cooling machine is ≤32℃. If ambient temperature is <15℃, please close cooling system to avoid the engine body from freezing and freezing off its pipeline.		

List for maintenance measures of water dispenser's common faults

Fault phenomenon	Possible cause	Solution
Fail to heat	1) don't turn on heat switch	Turn on switch
	2) avoid burning temperature controller	Hand reset
	3) heat temperature controller is damaged	Replace a new temperature controller
	4) the electrical heated tube inside hot pot is damaged	Replace a new hot pot
	5) power line is damaged	Replace a new power line
Fail to cool	1) don't turn on cool switch	Turn on switch
	2) cool temperature controller is damaged	Replace a new temperature controller
	3) compressor is damaged	Replace a new compressor
	4) leak coolants	Weld again
	5) impurities and ice block dry filtering tube or capillary	Let out coolants, fill nitrogen to clean, and rush vacuum and fill coolants again
	6) the vacuum of compressor is not high enough, making cooling effect bad	rush vacuum and fill coolants again
Water temperature is not enough	1) use too much hot water within short period	Take water after a while
	2) use too much cold water within short period	Take water after a while
	3) heat temperature controller is aged	Replace heat temperature controller
	4) adjust pressure temperature controller imprecisely	Replace by professional

Doesn't halt while heating and cooling	1) temperature controller is damaged	Replace a new temperature controller
	2) leak coolants (freezing medium)	Weld the part leaking fluorine, replenish coolants
	3) ambient temperature is too high, cooling doesn't halt.	Improve temperature environment, or stop using cooling function temporarily.
Don't effluent	1) pressure inside water tank is lower than that of outside	Take down water bottle and fix again
	2) there's foam at the point where water tank and water dispenser connect.	Pat the body till water flows out
	3) the tube where connects to faucet ties off.	Fix silicone tube again.
	4) the air inside hot tank is not evacuated.	Pat the body till water flows out
	5) heat temperature is over high, making pot full of gas. Water can't flow out of faucet.	Break heat switch temporarily.
	6) foreign body inside the tube	Check and remove foreign body
	7) ice block	Close cooling system for 4 hours.
Leak	1) heating temperature inside hot pot is over high, making connecting tube expanding and water leak from connection point.	Stop heating and check
	2) the ribbon is not locked tightly	Lock tightly again
	3) the dimensions of tube don't match well, causing leaking water.	Replace silicone tube
	4) seal ring is damaged	Replace seal ring
	5) bucket bursts	Replace bucket

Common fault and cause of computer display board

Series No	Fault phenomenon	Fault cause
1	Hot water temperature shows "E1", buzzer alarms	Hot water temperature sensor doesn't connect or short circuit (or open circuit) occurs. Please connect well or replace temperature sensor.
2	Hot water temperature shows "E3", buzzer alarms	The heating temperature of hot pot exceeds appointed temperature (98℃)
3	Cold water temperature shows "E2", buzzer alarms	Cold water temperature sensor doesn't connect or short circuit (or open circuit) occurs. Please connect well or replace temperature sensor.
Other fault: please check whether line falls off or not. If it's good, replace element.		

CRITICAL PARTS SERVICING

I Hot Tank Test And Operation:

- 1 Disconnect the condenser and then disassemble the wire who connect the hot tank with power.



- 2 Test the thermostat with the multimeter and estimate the possible cause. If the thermostat works, the multimeter will appear data or beep, Contrarily then contrary.



- 3 Use the multimeter to check the heater. If the heater works, the multimeter will appear data or beep, Contrarily then contrary.



II Compressor Test And Operation:

1. During working situation, the compressor is proved normal by its quiver.



2. Disconnect the PTC (Starter) cover and replace it.



3. Check the compressor through the terminal.

Normal : The resistance amount data is not more than 5 ohm. It is shown as diagram.

