PWTO
PURE WATER TECHNOLOGY®
SAPI DE CV

pure water technology

PW90CT

Service Manual

pure hydration.

NOTE:
Please read these instructions before operating the unit. Design and color may differ. Unit appearance, speficiations, etc. are subject to change without prior notice if necessary for improving unit performance. The rated voltage of this unit is AC 120 V/ 60 Hz.

atencion@purewater.mx purewater.mx 81-1642-7777

Before You Begin

Please read the information contained in this manual carefully before proceeding with the install. Failure to do so can cause damage and may void the manu - facturer's warranty.

Table of Contents

atencion@purewater.mx purewater.mx 81-1642-7777

01 Conditions for Use

CAUTION:
DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR OF UN KNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM

THIS DRINKING WATER SYSTEM IS FOR USE ON POTABLE COLD WATER SUPPLIES ONLY

Source Water Supply

Municipal/Private: Potable Water Supply
System Pressure: 25~80 PSI (1.7-5.5 bar)(for RO to work properly, water pressure should be between 60-70 PSI)
Temperature: 40°~100°F (4°~38°C)

Warning

A pressure regulator must be installed before the system water inlet if the water pressure or any possible pressure spikes could exceed 80 PSI (5.5 bar). Failure to comply will void all warranties. The manufacturer accepts no liability for any damage caused by excessive water pressure.

Environmental Conditions

System should be installed in areas that are protected from severe environmental conditions. System is not manufactured or approved for installation in areas that are exposed to direct sunlight, rain/snow and/or extreme temperature variation.

Compliance

Installation and service must be performed by qualified personnel to ensure com - pliance with all applicable local, state, federal and international codes.

Note

Always check applicable plumbing codes before tapping into a water or drain line

02

System Overview

The PW90CT water purification system comes equipped with all the standard fea tures one could expect from a state-of-the-art purification system from Pure Water Technology. Highlights include:

- **In tank Ozone**
- **Full size PWT filters (identical to filters used in PW90)**
- **Customizable filter alerts**
- **Leak detection and leak stop**
- **Touch free PSD sensors for selecting water temperature and dispensing water**
- **10.8” dispense area**
- **Color changing dispense light (Blue for cold, Red for hot)**
- **Cold Dispense pump (~2x) faster dispense flow**
- **Hot Dispense pump increases available hot water capacity**

The PURE WATER TECHNOLOGY PW90CT is available in two filter configurations:

1. **PW90CT-R: This PURE WATER TECHNOLOGY model filters your water through a series of filters and an RO membrane to remove contaminants. These are:**
   - **A. 5 micron sediment filter (P/N EN1100-0001)**
   - **B. 1 micron pre-carbon block filter (P/N EN1100-0002)**
   - **C. 80 gallon per day RO membrane (P/N EN1100-0004)**
   - **D. Granular Activated Carbon (GAC) filter (P/N EN1100-0007)**
   - **E. Optional BOOST mineral filter to improve taste and increase alkalinity of electrolytes.**

2. **PW90CT-M This PURE WATER TECHNOLOGY model filters your water through the following filters.**

   - **A. 5 micron sediment filter (P/N EN1100-0001)**
   - **B. 1 micron pre-carbon block filter (P/N EN1100-0002)**
   - **C. Lead reduction carbon filter (P/N 1100-0003)**

03 Receiving Your Equipment

A common carrier will be delivering your PURE WATER TECHNOLOGY product. Upon receipt you should check the following.

1. **Are the systems still on the pallet?**

2. **Count the number of boxes you are signing for.**

3. **Is there any obvious damage to the product or the boxes?**

If there are any discrepancies or obvious damage to the equipment or boxes, please note it on the "Bill of Lading" and/or refuse shipment.

After receiving the equipment from the carrier, remove packaging and inspect for any hidden freight damage. If freight damage has occurred, call the freight company and PURE WATER TECHNOLOGY customer service (877-594-7873) to report the damage. Photograph all damages to be submitted with claim. THIS MUST BE DONE WITHIN 24-48 HOURS OF DELIVERY. If not reported within 2-busi ness days, PURE WATER TECHNOLOGY and/or carrier will not be responsible for replacement or repair.

04

Safety Precautions

Warning:
Do not install or use this drinking water system where the source water is micro-biologically unsafe or with water of unknown quality without adequate disinfection before or after the system.

Warning:
A pressure regulator, such as a slow flow regulator, must be installed before the systems water inlet if the water pressure (including any possible spikes) could exceed 80 PSI (5.5 bar). Failure to comply will void all warranties. The manufacturer accepts no liability for damage caused by excessive water pressure.

Warning:
These systems are manufactured with 134A refrigerant. Repairs to the refrigeration system must be performed by a certified refrigeration technician only.

Warning:
To prevent damage fire or shock hazard, do not expose this system to rain or other extreme elements.

Power System:
Available in operating voltages of 120 V 60 Hz, 100 V 50/60 Hz, 230V 50 Hz.

04 Safety Precautions

Caution:

•To prevent electric shock and fire hazards, do not use with other than specified power source.

•Changes or modifications not approved by PURE WATER TECHNOLOGY will void any product warranty.

•Use appropriate plug adapter for your AC wall outlet.

•If system begins to leak, unplug, turn off water supply and call service center **immediately.**

•Before moving the system, disconnect power supply and wait for water to reach ambient temperature before draining.

Hot water is extremely hot! Do Not dispense hot water directly to hands.

Hot water may cause serious injury.

•If system will not be used for an extended period of time (5 days or longer), drain the system completely. Sanitize system prior to re-use.

•Should the system not perform as specified, unplug, turn off water supply and **call the service center.**

•Do not place any type of water container or heavy item on top of the system.

Water may leak into the electrical system causing a fire hazard.

Heavy items may fall off causing injury.

05 Pre-Installation Preparation

WARNING: Maximum water pressure (including any potential pressure spikes) of the water supply line to the system must not exceed 80 PSI (5.5 bar). Failure to comply will void the warranty. The manufacturer accepts no liability for damage caused by excessive water pressure.

1. Always check local plumbing codes before tapping into water supply line and drain line. Tap into the supply line with an approved connector.

2. Once the unit and filtration system flushing procedures are complete, determine the best installation location. Con sider user convenience, electrical access and water access. The unit performs optimally if within 20 feet of a cold-wa ter supply line. Connect only to a cold water supply. Do not install Feed Water Assembly on the Hot Water Line. Do not place unit where it will be exposed to rain, freezing temperatures or direct sunlight.

3. The rear of the unit should be installed at least 2" (5 cm) from any vertical surface to ensure proper air circulation. In most cases the water supply will be located under a sink that has a 3/8" cold water line.Install a compression (3/8"X 3/8"X1/4" tube) fitting on the cold water line above the shut off valve. See diagram below.

4. Use only ¼" OD copper or plastic tubing to connect your water supply and drain to the cooler water inlet and drain port. The inlet and drain ports are quick connect fittings. Units are shipped with plugs in each fitting. Remove the plugs prior to inserting water supply and drain lines. A water shut off valve is recommended between the inlet con nection to the cooler and the water supply connection

5. The PW90CT RO system requires a waste or drain line for the RO membrane. The drain line should include an Air Gap and back flow restrictor. See diagram.

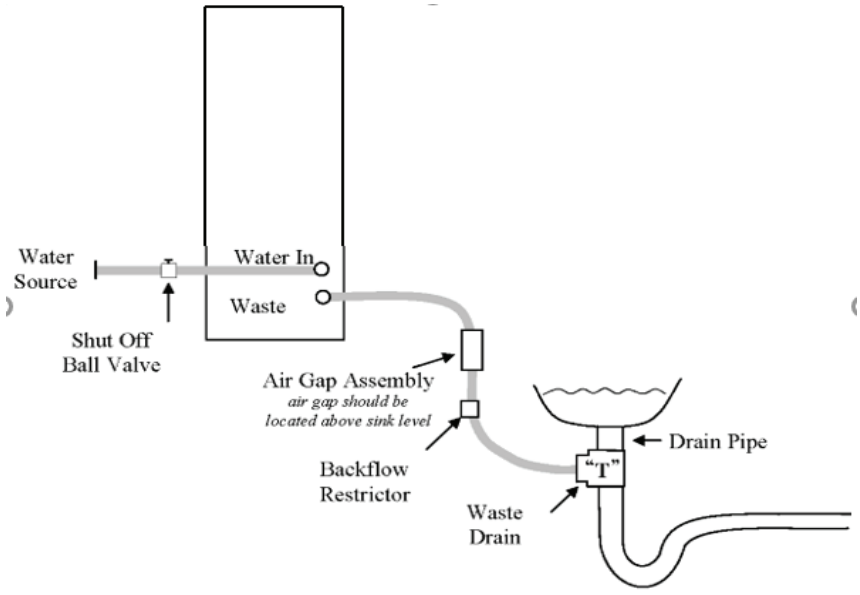
6. Check the available power supply to assure proper electrical service. In the U.S., the voltage specifi cation is 115 volt 60 hertz. Voltage outside of this specification will affect the system performance

7. Water filtration system will begin operating, verify proper water production.

8. Turn the Heating System switch on the back of the unit to the "ON" position.

9. Perform final inspection of all installed water lines to ensure a leak free installation.

10. Instruct user on proper system operation.



To Dispense Cold Water:

Allow at least 30 minutes for adequate cooling, then press the Cold Water button. To Dispense Hot Water:
Allow at least 30 minutes for adequate heating, then press the two Hot Water Buttons simultaneously

NOTE: Check UPC and Local Plumbing Codes to confirm that all connections are in compliance.

05 Filter Flushing Procedures

Filter Flushing Procedures for PURE WATER TECHNOLOGY "Sani-Twist™" Filter Configuration

All filters and RO membranes must be flushed sufficiently prior to installation. Summary and **detailed instructions provided below.**

Flushing the Purification for the PW90CT-R (Summary instructions)

1. Install the supply water line to "Water In" bulkhead and water drain line to "RO Drain" bulk head in back of unit.
2. Do not plug the system into the AC socket. (No Power)
3. Remove lower front panel to access filters. To remove, grip bottom of lower front panel and pull to disengage magnets.
4. Remove the sediment, carbon block and post carbon filters and flush on a pre- flush station.
5. Reinstall the sediment and carbon filters in their original places.
6. Disconnect the red restrictor line from the elbow at the base of the RO membrane.
7. From this elbow run a water line to drain.
8. Turn on the water to the filters, plug the system in and let the water run for 2 minutes.
9. Turn off the water to the filters, wait one minute and then replace the red restrictor line into the **elbow at the base of the RO membrane.**
10. Filter flushing is now complete.
11. Replace lower front panel.

Flushing the Carbon Microfiltration Filters for the PW90CT-M

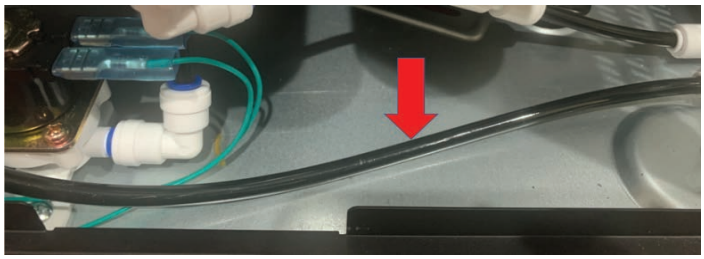
1. Install the supply water line to "Water In" bulkhead.
2. Do not plug the system into the AC socket. (No Power)
3. Remove lower front panel to access filters. To remove, grip bottom of lower front panel and pull to disengage magnets.
4. Remove the sediment, carbon block and Lead filters and flush.
5. Reinstall the sediment and carbon filters in their original places. Filter flushing is now complete.
6. Replace lower front panel.

05 Filter Flushing Procedures

Sani-Twist Filter Flushing: Detailed instructions

To access the filters please remove the right-side cabinet door by firs removing the 2 fastening screws. After removing the side panel, you the familiar filter manifold setup including the full size PWT standard

1. Upon accessing the filter area, on some production runs it will be necessary to apply the leak stop. To do so please follow the following steps.
   a. Locate the leak stop that is included with the system.
      i. Turn the leak stop upside down to locate the double sides 3M adhesive
      ii. Peel the 3M adhesive off both tabs
      iii. Locate the supply line – the closest tube connected to a bulkhead fitting
      iv. Cut the tube and then insert ends into the leak stop and push the leak stop down against the metal
2. Look for arrow on the leak stop and ensure direction of flow goes toward the filters
3. Filter flushing procedures.



NOTE: In the following photos:

•The line wrapped in green tape will represents the source line

The line wrapped in yellow tape line will represent the drain line

To Flush pre filters:

1. Remove the tubing from the filter side of the leak stop (gray collet) and connect your source line directly to the tubing with a union fitting.
2. Remove the tubing that connects to the “out” fitting on the carbon block filter head and connect a drain line to this fitting.
3. Turn the water on and flush according to the instructions on the filter label
   a. Turn off water when completely flushed
4. Remove the supply and drain lines and reconnect the tubing to their originally installed location.

05 Filter Flushing Procedures

To Flush the Post carbon filter:

1. Remove the “out” tubing from the RO membrane.
2. Connect the source line directly to the tubing that is removed from this fitting.
3. Then connect a drain line to the “out” fitting on the boost filter location.
4. Note, if a boost filter will be used, please refrain from installing the boost filter until after the “Post Carbon” filter is flushed.
5. Turn the water on and flush according to the instructions on the filter label. After turning the water off you may put the tubing back to the previously installed locations.

If installing a boost filter:

1. Prior to returning the tubing after step B, move the supply feed and connect to the tubing from the “out” of the “post carbon” filter head.
2. Leave the drain line connected to the “out” fitting on the top of the “Boost” filter head.
3. Install the “Boost” filter in position and turn the water and flush according to the instructions on the filter label.

Flushing the RO membrane for 30 minutes:

1. It is important to flush the RO membrane with all filters inline for a full 30 minutes. Although the RO membrane will flush down to 98% reduction in TDS within 5-10 minutes, the remaining 20 minutes is necessary to completely flush the preservative out of the membrane and to flush the higher TDS water out of the post filter.
    a. Failure to complete this test, especially when using the “Boost” filter will result in poor taste and may cause further damage to the equipment.
2. Connect the source line to the back of the system in the “tap water” bulkhead fitting.
3. Connect a drain line into the “RO drain” bulkhead fitting
    a. This is represented with the black tubing with no tape color
4. Plug the power cord into active power.
    a. Failure to do will result in the solenoid not engaging and as a result no water will pass through the filters.
5. Keep the drain line connected to the “out” fitting from the “Boost” filter head.
6. Turn the water on for 30 minutes.
7. Prior to turning off the water supply, ensure:
    a. For RO only systems, the TDS is .02% vs the tap water TDS (98% reduction).
    b. For Systems using Boost, the TDS is about 8-12 ppm higher than the RO only variant.
8. If you have issues achieving these readings, make sure you have 60-70 PSI feeding the system, the drain is not restricted in any way including a reversed check valve, the inline flow restrictor is in place and working properly and the unit is properly flushed. Please contact technical support for further assistance.

05 Flushing the Complete System

During the following steps you should be checking for any leaks, loose fittings, hot water, cold water and production rate. See next Section- Final inspection.

Sanitize the cold tank

It is strongly encouraged that all systems are sanitized using a mixture of Hydrogen Peroxide and water prior to placing in the field. Please follow the follow steps to properly perform this important step.

1. **Remove the cold tank lid.**
2. **Using a mixture of ~30% Hydrogen Peroxide to water, spray the inside of the tank, lid, floats, and all parts visible parts with a heavy mist of spray.**
3. **Using a clean towel or paper towel, wipe the Hydrogen Peroxide away from the surfaces.**
4. **Spray a light mist of spray again on all parts and put the lid back onto the unit.**
5. **Allow one tank full of water to full up and drain a single time.**
6. **It is strongly encouraged to perform this step on each annual service call as well.**

05 Final Inspection

• Turn the water to the system on, plug the system in and let the reservoir fill. RO systems will fill in one to two hours. Filtration (M) system will fill in 5 to10 minutes.

• Activate dispense sensors to verify flow from hot and cold tanks.

• Drain cold water into container using the dispense nozzle. Activate touchless dispense sensor until water flow ceases or refer to programming section regarding system flush mode.

• Located on the rear of the system is a hot tank drain. Holding a bucket under the drain, remove drain cap and allow the system to drain until water flow stops. Replace drain cap.

• Repeat steps 1 through 4.

• Allow system to fill.

• Turn hot switch located on back of unit to “ON” position.

• Allow unit to sit for 4 hours to reach optimal operating temperature.

Verify the following:

- There are no leaks or loose components.
- The hot water is over 160°F.
- The cold water is below 50°F.
- Confirm acceptable product water flow
- PW90CT-R systems- Average tank fill for RO systems is 45 hours.
- PW90CT-M systems- Average tank fill for filtration systems is 5 minutes.
- The system exterior is clean and all components are in place.

OTHER ITEMS

1. **Once a system has been flushed it should remain plugged in and water dispensed occasionally.**
2. **Always drain the system before moving it. It is not necessary to drain the Hot Tank completely through the rear Hot Tank drain. Leaving water in the Hot Tank will allow turning on the Hot Tank immediately after installation of the system.**
3. **Never lay the system on its side.**

06 System Programming and Inspection

This system uses dip switches for programming. The PW90CT allows for fully adjustable filter alert settings, ability to turn off filter alerts, adjustable ozone settings including activating at time of dispense, activating if the system is unused for a period of time and adjusting the duration of Ozone.

The system comes preset with the following settings:

1. Ozone duration 1 min, air purge 6 minutes (this has been tested to yield best results while eliminated risk of causing taste concerns.
2. At time of dispense disabled
3. Ozone to activate after an 8-hour period of inactivity (water not being dispensed)
4. Pre filters set to alert after 18 months of use
5. RO and post filters disabled from activating filter alarm
6. Please see full list of options below
7. To reset the filter life please do the following:
8. Wave hand in front of hot select one time, wave hand in front of dispense 5 times, audible chime will sound
9. To lower the dispense pump for cold water for 3 L/min to 2 L/min
10. Place both hands over hot select and dispense sensors simultaneously until audible chimes are heard, remove hands and repeat process until audible chimes are heard.

System Inspection:

When changing filters or performing service, the following items should be completed.

1. Visual Inspection
2. Hose & fitting inspection
3. Electrical inspection
4. Pressure & flow test
5. Filter monitoring system reset
6. Gallon counter reset to zero. Refer to procedure below.
7. Clean the exterior of system and con denser coils on rear of system.
8. Temperature check (Cold water should be below 50°F, Hot water should be above 160°F)
9. TDS check

Filter change schedule	
Filter	Time or gallons
Sediment	1 year or 2500 gallons
Pre-Carbon	1 year or 2500 gallons
RO	When TDS indicates
Boost	1 year or 1000 gallons
Post-Carbon	2 years or 1500 gallons
LR Carbon Block	1 year or 1500 gallons
Air filter	2 years

06 Filter Light Reset and Maintenance

Filter Light Reset

1. The filter life indicator triggers the Service light to illuminate. This will prompt a call from the customer to service the unit and change the filtration. The indicator can be reset without opening the system, by using a sequence of motions with the sensors:
    a. To reset the filter life:
        i. Wave hand in front of hot select sensor for 5 seconds until the LED light blinks. Wave hands over both sensors for 5 seconds, audible chimes will alert completion.

Dispense pump flow rate change

2. The dispense pump flow rate can be adjusted to a slower flow rate. This may be needed in a waiting room environment where smaller cups are provided to the user. The dispense rate can be adjusted without opening the system, by using a sequence of motions with the sensors:
    a. To lower the dispense pump for cold water for 3 L/min to 2 L/min
        i. Place both hands over hot select and dispense sensors simultaneously until audible chimes are heard, remove hands and repeat process until audible chimes are heard.

Deactivate tone

3. Turning off the activity tone. The Ascent 80 purposefully makes a 'ding' noise when a sensor is activated in order to give audible feedback to the user. In a very quiet environment this feature may be unwanted. The audible tone can be deactivated without opening the system, by using a sequence of motions with the sensors:
    a. To deactivate the tone, hover over the "Hot Select" sensor for 1 second. Within 7 seconds, wave your hand over the "Dispense" sensor 5 times. Once this action is completed, the activity tone should be deactivated.

Preventive Maintenance:

1. Change filters according to the filter change schedule
2. Reset the filter alert using the instructions above
3. Descale the hot tank
4. Drain the system and use Hydrogen Peroxide to sanitize the system
5. Check all fittings for signs of scale or wear and replace as needed
6. Check condition of the float mechanisms. Pay special attention to ensure no water has infiltrated the float balls
7. Check solenoids for proper function. Dripping solenoids should replaced

Every 5 years, in addition to the above, perform the following:

1. Replace all internal fittings and tubing.
3. Replace all solenoid and cold/hot valves.
4. Replace battery on main PCB (soldering required).

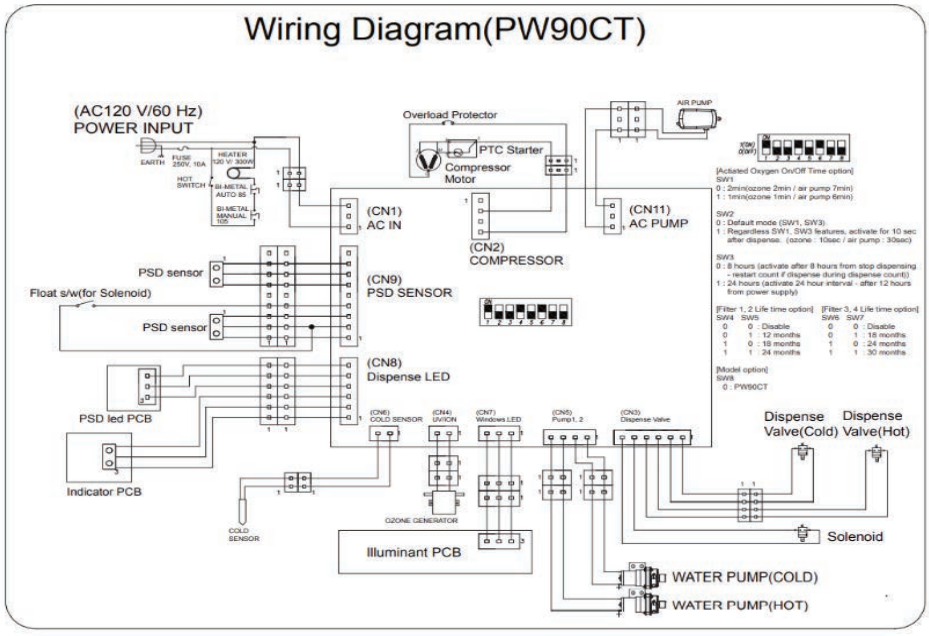
07 Part Diagrams

1. Electrical Wiring Diagram
2. Water Flow
    a. PW90CT-R
    b. PW90CT-M
3. Exploded Views
    a. Entire System
    b. Front Upper Assembly
    c. Dispense Assembly
    d. Left Panel Assembly
    e. Right Panel Assembly
    f. Middle Assembly
    g. Base Plate Assembly
    h. Cold Tank Assembly
    i. Hot Tank Assembly
    j. Filter Box Assembly – RO
    k. Filter Box Assembly - M

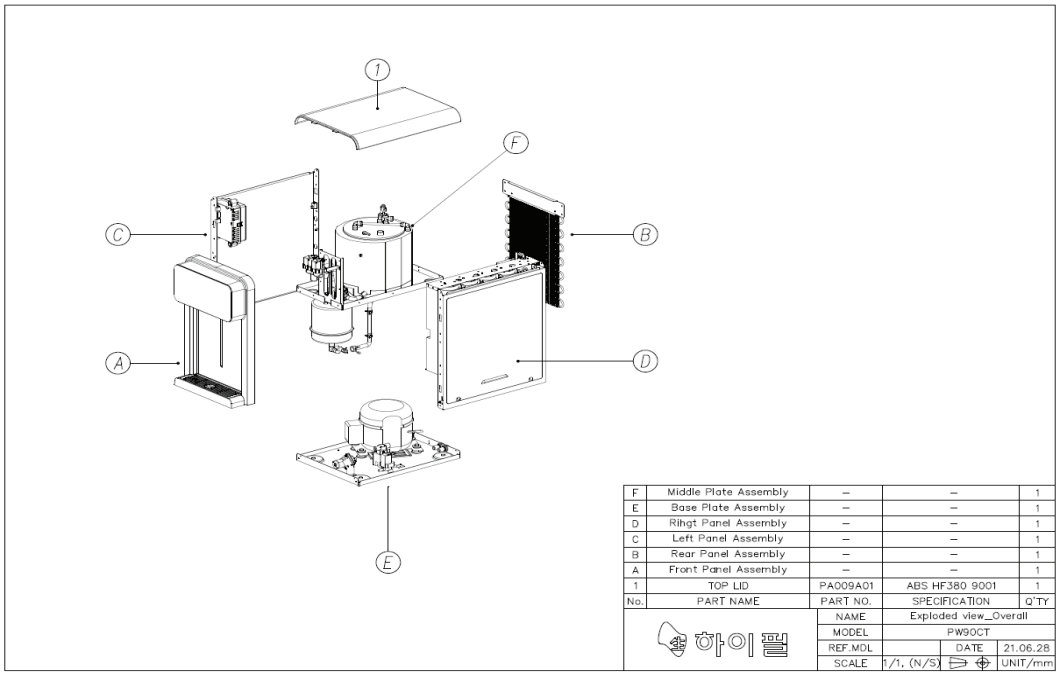
07

Part Diagrams

Electrical Wiring Diagram



Entire System



No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
F	Middle Plate Assembly	–	–	1
E	Base Plate Assembly	–	–	1
D	Rihgt Panel Assembly	–	–	1
C	Left Panel Assembly	–	–	1
B	Rear Panel Assembly	–	–	1
A	Front Panel Assembly	–	–	1
1	TOP LID	PA009A01	ABS HF380 9001	1

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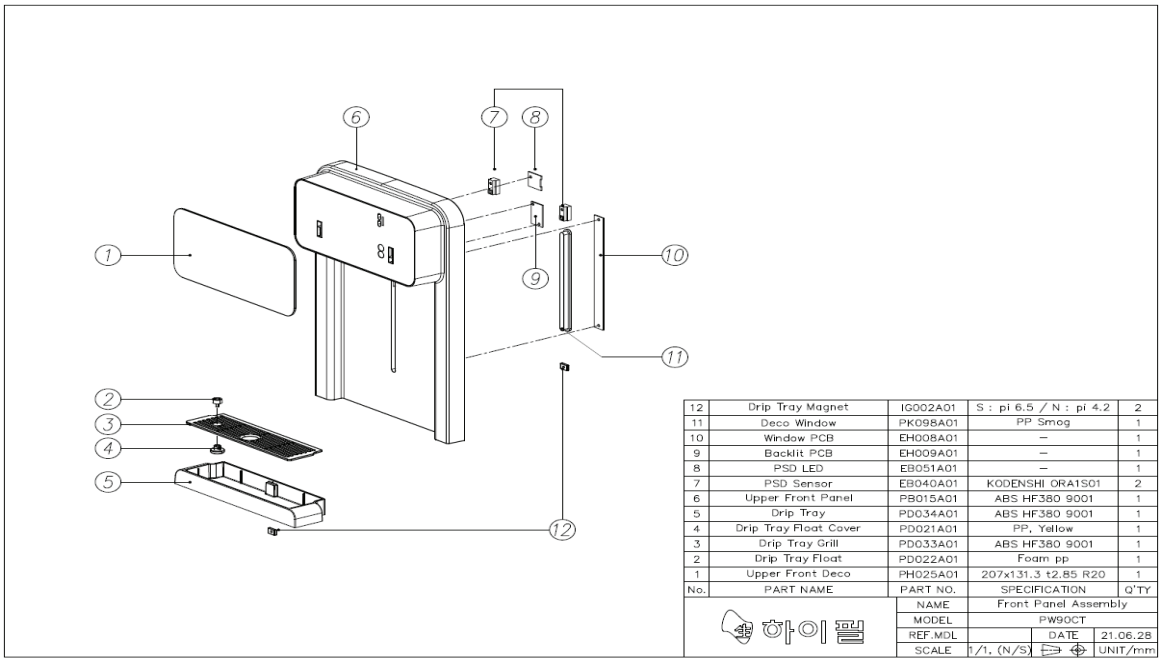
NAME	Exploded view_Overall
MODEL	PW90CT
REF.MDL	DATE 21.06.28
SCALE	1/1, (N/S) UNIT/mm

07 Part Diagrams

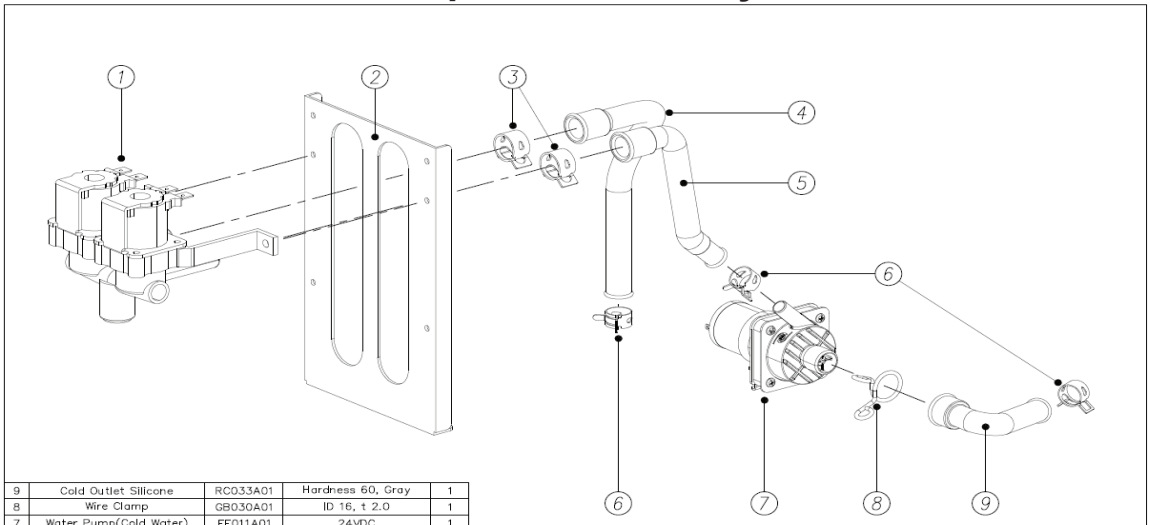
Front Assembly



No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
12	Drip Tray Magnet	IG002A01	S : pi 6.5 / N : pi 4.2	2
11	Deco Window	PK098A01	PP Smog	1
10	Window PCB	EH008A01	–	1
9	Backlit PCB	EH009A01	–	1
8	PSD LED	EB051A01	–	1
7	PSD Sensor	EB040A01	KODENSHI ORA1S01	2
6	Upper Front Panel	PB015A01	ABS HF380 9001	1
5	Drip Tray	PD034A01	ABS HF380 9001	1
4	Drip Tray Float Cover	PD021A01	PP, Yellow	1
3	Drip Tray Grill	PD033A01	ABS HF380 9001	1
2	Drip Tray Float	PD022A01	Foam pp	1
1	Upper Front Deco	PH025A01	207x131.3 t2.85 R20	1

NAME	Front Panel Assembly		
MODEL	PW90CT		
REF.MDL		DATE	21.06.28
SCALE	1/1, (N/S)		UNIT/mm

Dispense Assembly

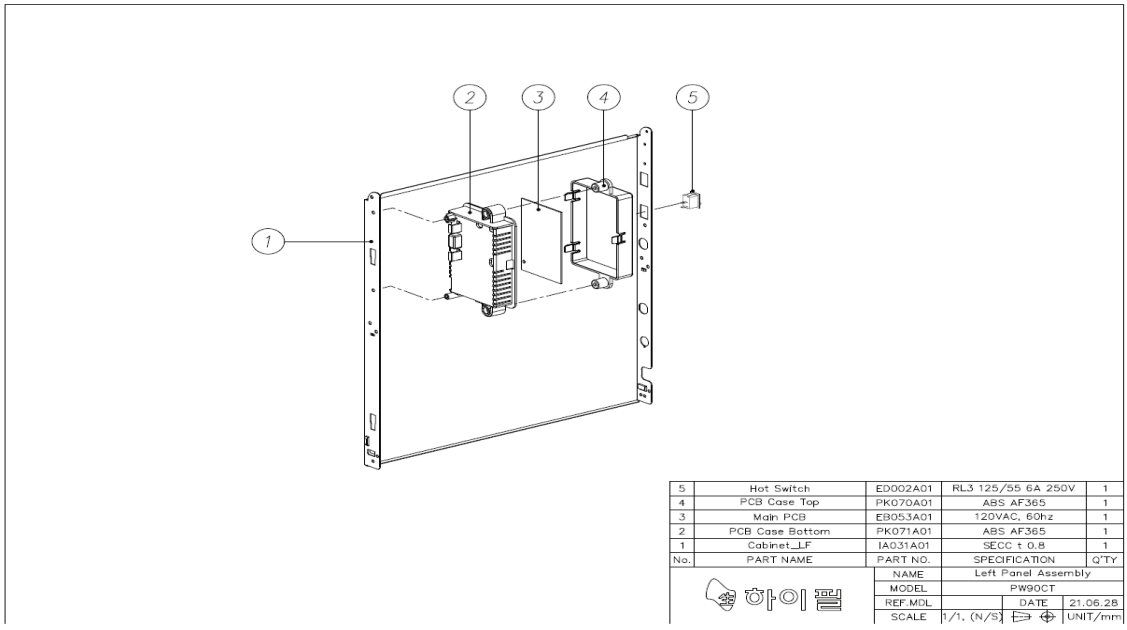


No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
9	Cold Outlet Silicone	RC033A01	Hardness 60, Gray	1
8	Wire Clamp	GB030A01	ID 16, t 2.0	1
7	Water Pump(Cold Water)	EE011A01	24VDC	1
6	Clamp	GB013A01	ID 12	3
5	Cold Valve Silicone	RC032A01	Hardness 60, Gray	1
4	Hot Valve Silicone	RC038A01	Hardness 60, Gray	1
3	Clamp	GB014A01	ID 13.9	2
2	Dispense Bracket	IA037A01	SBHGI t 1.6	1
1	Dispense Solenoid	EC011A01	24VDC, 2WAY, JIE-4088	1

NAME	Dispense Assembly		
MODEL	PW90CT		
REF.MDL		DATE	21.06.28
SCALE	1/1, (N/S)		UNIT/mm

07 Part Diagrams

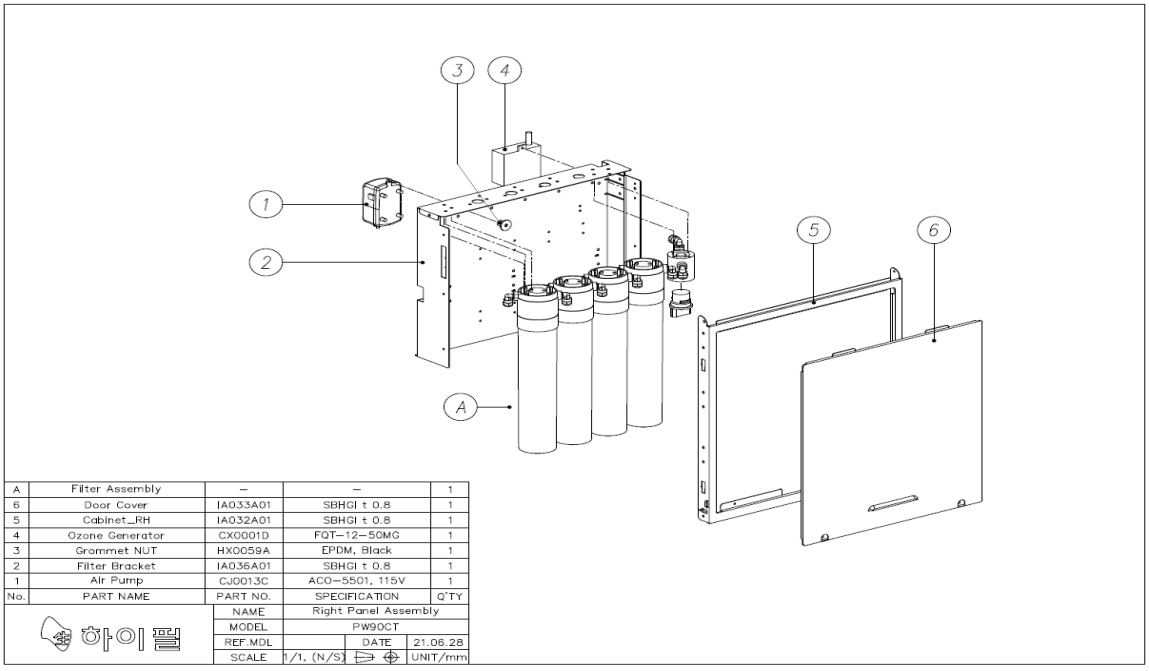
Left Panel Assembly



No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
5	Hot Switch	ED002A01	RL3 125/55 6A 250V	1
4	PCB Case Top	PK070A01	ABS AF365	1
3	Main PCB	EB053A01	120VAC, 60hz	1
2	PCB Case Bottom	PK071A01	ABS AF365	1
1	Cabinet_LF	IA031A01	SECC t 0.8	1

NAME	Left Panel Assembly		
MODEL	PW90CT		
REF.MDL		DATE	21.06.28
SCALE	1/1, (N/S)		UNIT/mm

Right Panel Assembly

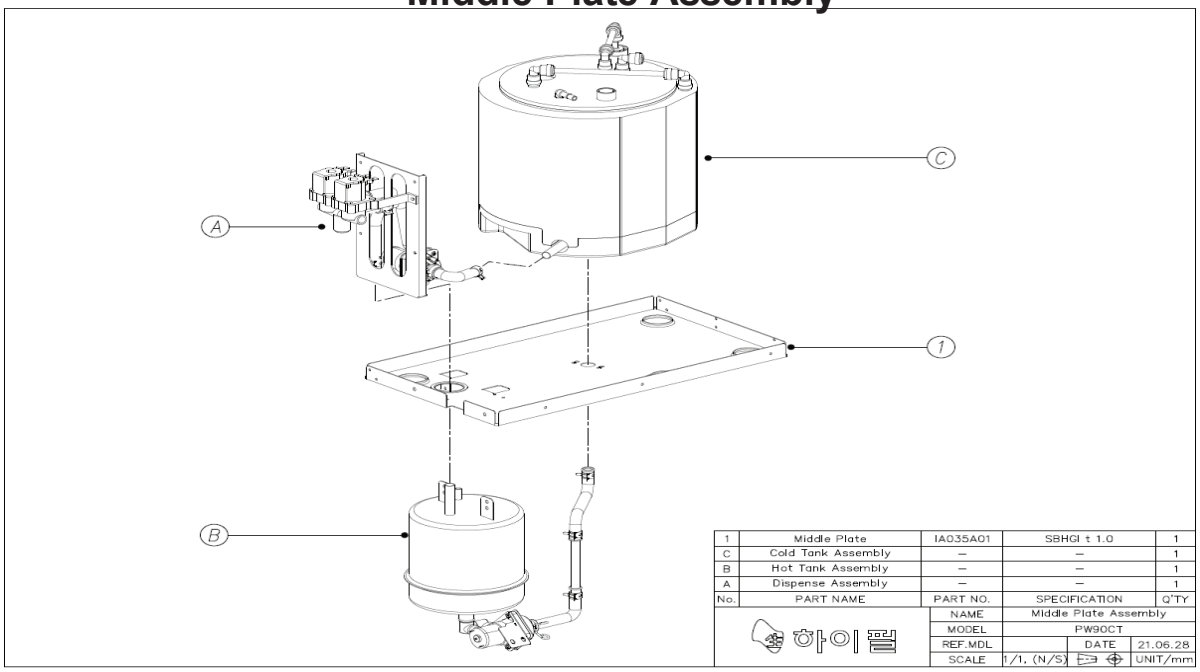


No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
A	Filter Assembly	–	–	1
6	Door Cover	IA033A01	SBHGI t 0.8	1
5	Cabinet_RH	IA032A01	SBHGI t 0.8	1
4	Ozone Generator	CX0001D	FQT-12-50MG	1
3	Grommet NUT	HX0059A	EPDM, Black	1
2	Filter Bracket	IA036A01	SBHGI t 0.8	1
1	Air Pump	CJ0013C	ACO-5501, 115V	1

NAME	Right Panel Assembly		
MODEL	PW90CT		
REF.MDL		DATE	21.06.28
SCALE	1/1, (N/S)		UNIT/mm

07 Part Diagrams

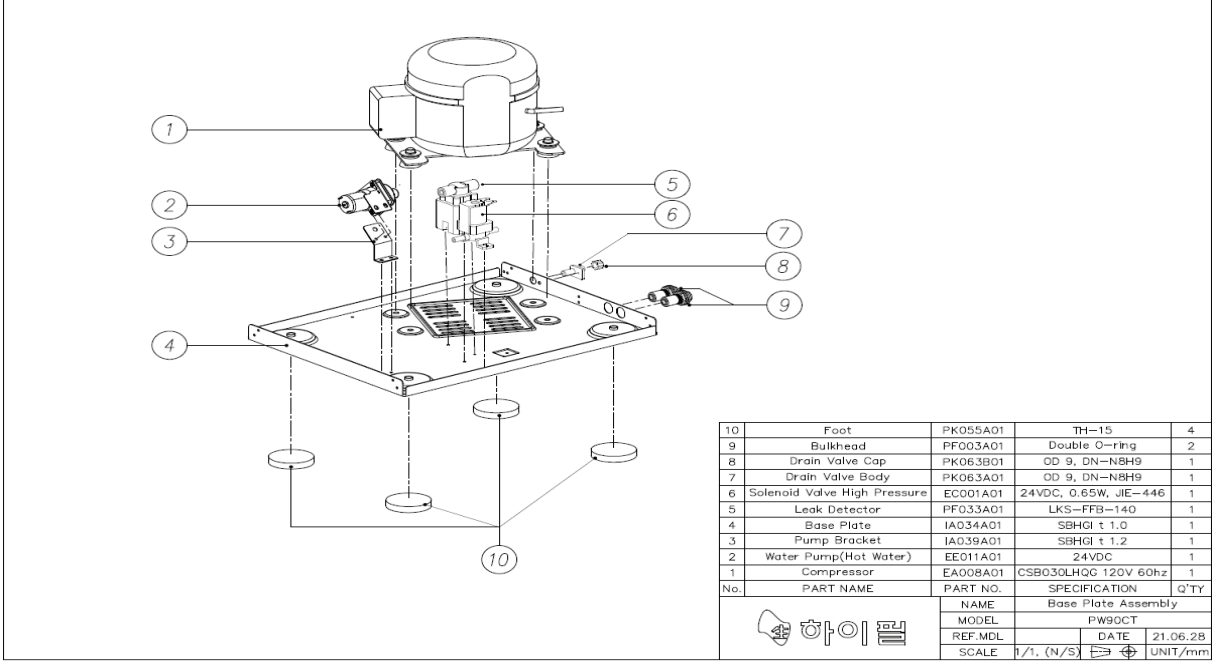
Middle Plate Assembly



No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
1	Middle Plate	IA035A01	SBHGI t 1.0	1
C	Cold Tank Assembly	–	–	1
B	Hot Tank Assembly	–	–	1
A	Dispense Assembly	–	–	1

NAME	Middle Plate Assembly		
MODEL	PW90CT		
REF.MDL		DATE	21.06.28
SCALE	1/1, (N/S)		UNIT/mm

Base Plate Assembly

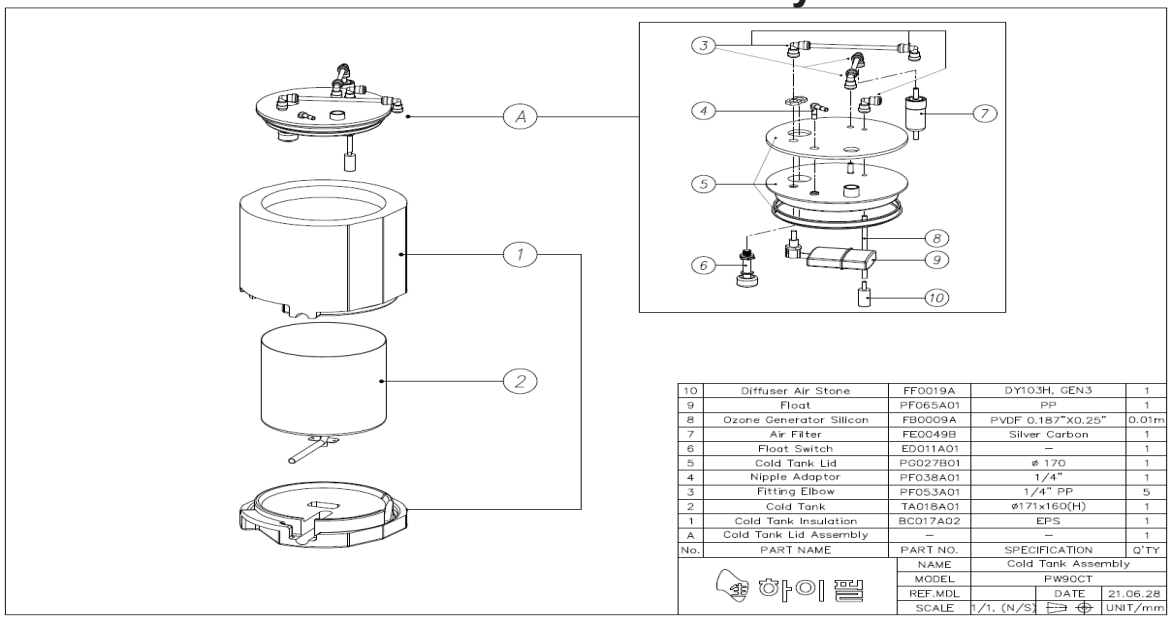


No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
10	Foot	PK055A01	TH–15	4
9	Bulkhead	PF003A01	Double O–ring	2
8	Drain Valve Cap	PK063B01	OD 9, DN–N8H9	1
7	Drain Valve Body	PK063A01	OD 9, DN–N8H9	1
6	Solenoid Valve High Pressure	EC001A01	24VDC, 0.65W, JIE–446	1
5	Leak Detector	PF033A01	LKS–FFB–140	1
4	Base Plate	IA034A01	SBHGI t 1.0	1
3	Pump Bracket	IA039A01	SBHGI t 1.2	1
2	Water Pump(Hot Water)	EE011A01	24VDC	1
1	Compressor	EA008A01	CSB030LHQG 120V 60hz	1

NAME	Base Plate Assembly		
MODEL	PW90CT		
REF.MDL		DATE	21.06.28
SCALE	1/1, (N/S)		UNIT/mm

07 Part Diagrams

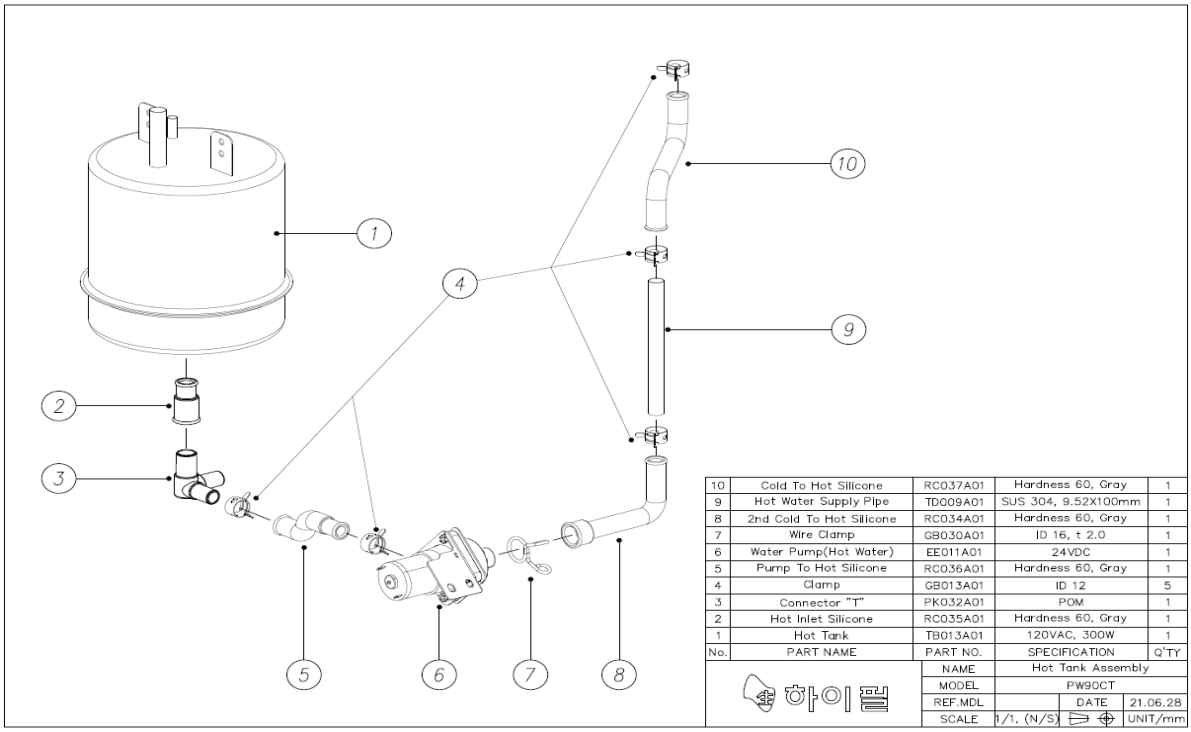
Cold Tank Assembly



No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
10	Diffuser Air Stone	FF0019A	DY103H, GEN3	1
9	Float	PF065A01	PP	1
8	Ozone Generator Silicon	FB0009A	PVDF 0.187"X0.25"	0.01m
7	Air Filter	FE0049B	Silver Carbon	1
6	Float Switch	ED011A01	–	1
5	Cold Tank Lid	PG027B01	ø 170	1
4	Nipple Adaptor	PF038A01	1/4"	1
3	Fitting Elbow	PF053A01	1/4" PP	5
2	Cold Tank	TA018A01	ø171x160(H)	1
1	Cold Tank Insulation	BC017A02	EPS	1
A	Cold Tank Lid Assembly	–	–	1

NAME	Cold Tank Assembly		
MODEL	PW90CT		
REF.MDL		DATE	21.06.28
SCALE	1/1, (N/S)		UNIT/mm

Hot Tank Assembly



No.	PART NAME	PART NO.	SPECIFICATION	Q'TY
10	Cold To Hot Silicone	RC037A01	Hardness 60, Gray	1
9	Hot Water Supply Pipe	TD009A01	SUS 304, 9.52X100mm	1
8	2nd Cold To Hot Silicone	RC034A01	Hardness 60, Gray	1
7	Wire Clamp	GB030A01	ID 16, t 2.0	1
6	Water Pump(Hot Water)	EE011A01	24VDC	1
5	Pump To Hot Silicone	RC036A01	Hardness 60, Gray	1
4	Clamp	GB013A01	ID 12	5
3	Connector "T"	PK032A01	POM	1
2	Hot Inlet Silicone	RC035A01	Hardness 60, Gray	1
1	Hot Tank	TB013A01	120VAC, 300W	1

NAME	Hot Tank Assembly		
MODEL	PW90CT		
REF.MDL		DATE	21.06.28
SCALE	1/1, (N/S)		UNIT/mm

08 Specifications

Voltage: 1 20 VAC + 10% /1 P H / 60 Hertz

Size: 17.8” (452.1 mm) H x 11.7” (297.2 mm) W x 19.5” (495.3 mm) D

Shipping Weight (Approx.): 46.3 lbs (21 kg)

Cold Tank Capacity: 1 gallons (3.8 Liters)

Hot Tank Capacity: 0.5 gallons (1.9 Liters)

HP Compressor (Full Load): 1.1 Amps

Compressor with Hot (Full Load): 3.3 Amps

Specifications subject to change without notice.

* These systems have been manufactured with R134a refrigerant.

WARNING: A pressure regulator, such as a slow flow regulator, must be installed in front of the system’s water inlet if the water pressure (including any possible pressure Spikes) could exceed 80 PSI (5.5 bar) Failure to comply will void warranty. PURE WATER TECHNOLOGY accepts no liability for damage caused by excessive water pressure. Do not use this drinking water system where the source water is microbiologically unsafe or with water of unknown quality without adequate disinfecting before or after the system.

10 Product Limited Warranty

Domestic Initial Limited Warranty:

PURE WATER TECHNOLOGY promises the original Dealer/Distributor to repair or, at PURE WATER TECHNOLOGY's sole discretion, to replace any part of the water cooler which proves to be inoperative due to a defect in material or workmanship under normal use, for a period of one year from the date of shipment of the machine from PURE WATER TECHNOLOGY to Dealer/Distributor. During the term of this initial warranty, PURE WATER TECHNOLOGY, at its sole discretion, will supply parts to the installing Dealer/Distributor to correct the defect. In case of a refrigera - tion sealed system repair, PURE WATER TECHNOLOGY will instruct the Dealer/Distributor to use an approved service center or, at PURE WATER TECHNOLOGY's sole discretion, return the unit to PURE WATER TECHNOLOGY for repair or replacement. The cost of any service call required to disconnect, reconnect or transport the system will be the sole responsibility of the Dealer/Distributor. This warranty does not extend to any customer of Dealer/Dis - tributor.

Additional Warranty through Fifth year:

PURE WATER TECHNOLOGY promises that after the end of the initial warranty through the fifth anniversary of the initial limited warranty to supply a new compressor if proven defective by a qualified PURE WATER TECHNOLOGY approved technician.
PURE WATER TECHNOLOGY will provide the compressor to the Dealer/Distributor at no charge. This warranty does not include any costs, including labor charges, travel time, or miscellaneous expenditures incurred by the Dealer/Distributor.

General Provision and Exclusions:
This warranty only applies in the fifty (50) United States and Canada. This warranty does not apply, and no agreement, either written or implied, shall be applicable if the affixed serial number is removed, defaced or obliterated. This warranty does not apply to the filters or Ultra Violet system after exposure to water. Refer to service manual for filter requirements and expected performance. This warranty does not apply if parts used as original or replacement equipment, including filters, are not obtained or authorized through PURE WATER TECH- NOLOGY, and such unauthorized usage shall void this warranty. This warranty does not apply to any wetted parts that become inoperative due to lime, scale or other water quality conditions. This warranty does not apply to any machine or components that become inoperable due to a failure by Dealer/Distributor or the end-user to satisfy standards or regulations adopted by any governmental agency. This warranty does not cover performance, failure or damages of any part resulting from external causes such as alterations, abuse, misuse, misapplication, neglect, accident, installation, operation contrary to printed material, corrosion or acts of God. This warranty only applies to the operative components of the machine and does not apply to the exterior shell or frame to which the shell is attached and the appearance of the machine
Warning:

This warranty and any applicable industry certifications for this machine are automatically voided if the machine is altered, modified, or combined with any other machine, equipment or device. Alteration or modification of the machine may cause serious flooding and/or hazardous electrical shock or fire.

Except as set forth herein, PURE WATER TECHNOLOGY makes no other warranty, guarantee or agreement expressed, implied or statutory, including any implied warranty of merchantability or fitness for a particular purpose. The foregoing is in lieu of all other agreements expressed, implied or statutory and all other obligations or liabilities of PURE WATER TECHNOLOGY. PURE WATER TECHNOLOGY does not assume or authorize any person to assume any obligations of liability in connection with this product. In no event will PURE WATER TECHNOLOGY be liable for special, incidental, consequential or punitive damages, or for any delay in performance of this warranty agreement due to causes beyond its control.

Export warranty:

The PURE WATER TECHNOLOGY export warranty shall apply to all area outside of the Continental limits of the United States and Canada. The export warranty shall mirror the domestic warranty set forth above in all respects except that a) the export warranty shall be limited to the Initial Term and there is no coverage for the additional warranty through the fifth year and b) the Dealer/Distributor shall be responsible for any and all transportation charges to implement the repairs.

ALL WARRANTY REPAIRS SUBJECT TO PRIOR APPROVAL BY PURE WATER TECHNOLOGY'S SERVICE DEPARTMENT IN ORDER TO VALIDATE THAT THE DEFECTIVE COMPONENT IS STILL UNDER WARRANTY.

11 Warranty Procedure

Procedure for PURE WATER TECHNOLOGY warranty evaluation.

1. Contact PURE WATER TECHNOLOGY technical support
2. Provide the following information:

a. Serial number
b. Failure
c. Full details around failure
d. Water pressure into the system
e. Tap TDS
f. TDS out of the cold and hot tanks
g. Pictures
h. Depending on the situation, technical support may request more information.

3. Upon approval, PURE WATER TECHNOLOGY will process warranty credit or replacement part to be fulfilled.
4. Dealer must maintain possession of the part or system until au thorized to discard, failure to do so may result in a denial of war ranty.
5. For system credits, technical support will provide a credit number which may be given to the account management team on the next qualifying system order.

a. The account management team will then provide a system credit.

SERVICIO DE REPARACIÓN Y POST-VENTA
TEL. (81) 1642-7777

Agua Óptima es una marca registrada
de Pure Water Technology SAPI de CV

Av. las Huertas 116, La Aurora, Santa Catarina, N.L.,
Bodega 7
www.purewater.mx
Tel. (81) 1642-7777