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# Pure Water C-50™

## Owners Manual



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# INTRODUCTION

**Distillation:** Contaminated water in the boiling tank is turned into steam by the energy from the electrical heating elements. Contaminants remain in the tank, while pure water vapor (steam) is driven off and condensed back into water in the condenser.

These contaminants become concentrated in the boiling tank and are frequently dumped to the drain automatically. This helps ensure maximum purity of the distilled water, and reduces the need to chemically clean the boiling tank.

The large activated carbon post filter incorporated into the Pure Water C-50 design compliments the distillation process. This must be replaced periodically for top results.

This Pure Water C-50 distiller needs to be connected to an electrical source, a water supply and a sewer line. It is the responsibility of the person installing the machine to ensure installation complies with local and national ordinances.

**Model and serial number may be  
found on the back panel of the Pure Water C-50.**

You should record model, serial number  
and purchase date below for future reference.

Model \_\_\_\_\_

Serial Number \_\_\_\_\_

Purchase Date \_\_\_\_\_

The Pure Water C-50 has been designed and constructed by a pioneer company in the home and commercial distillation markets. This product has been thoroughly tested in the laboratory and field tested under a variety of conditions. Due to the wide variation of water contamination and the conditions of use which are beyond the control of Pure Water, Inc., it is the responsibility of the user to ensure the distilled water produced meets the requirements for intended use. Pure Water, Inc. recommends the distilled water be tested as frequently as the application deems prudent.

**PLEASE READ ALL INSTRUCTIONS THOROUGHLY BEFORE OPERATING YOUR NEW UNIT.**

- 1) It is important to complete the enclosed warranty card and return it within ten days. This information is required should you ever need parts or repairs for your unit.
- 2) Your distiller has been tested at the factory to ensure proper unit operation. Therefore, it may have traces of a water ring inside the boiling tank.
- 3) The boiling tank has been Heliarc welded, and as you distill water, the mineral contaminants may cause discoloration along welded seams. The tank is fabricated from type 304 stainless steel and the appearance of the seams should not be a matter of concern.
- 4) DO NOT subject your unit to misuse or abuse.

# INSTALLATION

To install this equipment you will need:

- A qualified electrician to wire the unit into a 240 volt power source.
- 1/2"OD food-grade plastic tubing for delivery of water to the point-of-use.

Additional considerations:

- You may need to vent the exhaust heat from the distiller to the outside of the room or building. It is recommended that a local ventilation contractor be consulted.
- To minimize cleaning of the boiling tank, we recommend that a water softener be used. This is essential in hard water areas.
- National or local ordinances may require you to have an intermediate dump tank for the very hot residue water dumped by the C-50's boiling tank.

Design of the Dispensing System:

The pump in your Pure Water C-50 is designed to give a maximum flow of 3 gallons per minute (gpm) or 11.4 liters per minute (lpm). If water is to be drawn from the downstream side of the pump at a slow rate (less than 1 gpm or 3.8 lpm), it is necessary to install a bladder tank downstream of the pump in order to stop the pump from cycling rapidly. Such cycling will quickly wear out the pump and motor.

Pure Water, Inc. has a suitable bladder tank made with F.D.A.-approved materials.

## Ventilation . . .

Because of the quantity of heated air generated from condensing the steam during the distillation process, the Pure Water C-50 unit needs to be well ventilated. Since air is drawn into the bottom of the unit, a 3" (7.6 cm) air gap on all four sides is recommended, thus requiring a 31" x 38" (79cm x 96cm) floor space. The distiller should preferably be vented to the outside of the room or building through an external wall or ceiling. Room ventilation must be adequate to keep surrounding air temperature below 90° F (32° C).

A professional air conditioning/ventilation contractor should be consulted if a ducting system is needed for venting the heated air from the distiller. Air flow through the distiller is designed for 350 cubic feet per minute (cfm) with an operating exhaust temperature of approximately 110° F (43° C). Parts for a ventilation system can be readily fabricated by a ventilation contractor.

**WARNING:** Restricting air flow to less than 350 cfm may decrease the production rate of your Pure Water C-50 distiller and result in damage. It could also cause moisture damage to the area where the C-50 is operating.

## Electrical . . .

The unit operates off 240 volts and should be electrically connected by a qualified electrician in one of two ways:

- a) By wiring the Pure Water C-50 with a standard 240V/50A range cord and plug, the unit can be plugged into a 240V/50A wall socket. Due to differing 240V/50A connector configurations available, a range cord is not included with the distiller.
- b) The Pure Water C-50 can be hard wired into a 40A electrical supply circuit. For safety reasons, a service disconnect should be installed in the hard wired service line.

The circuit should be protected by a 40 amp fast blow fuse or a 40 amp circuit breaker. An electrical terminal block is located at the back of the distiller.

The Pure Water C-50 is designed to produce 50 gallons (189 liters) of distilled water per day. The unit is equipped with a volt meter to allow you to determine the actual voltage on which the unit is operating. If less than 240 volts are available at the unit, the distiller will produce proportionately less water. To compensate for the various voltages available around the world, this unit is equipped with two heating elements.

If less than 240 volts are available at the unit and it is critical the unit produce 50 gallons (189 liters) per day, larger heating elements can be easily installed. **CAUTION:** DO NOT install larger elements than what is specified. Damage to the unit could occur.

<u>Maximum Voltage at Unit</u>	<u>Maximum Heating Element Capacity (Total)</u>
236 - 240	6.5* kilowatts
228 - 235	7.0
220 - 227	7.5
214 - 219	8.0
208 - 213	8.5
202 - 207	9.0
196 - 201	9.5

\*Standard from the factory.

Various size heating elements are available from your Pure Water, Inc. Dealer.

**CAUTION:** Before removing any panels, electrically isolate the unit by unplugging it from the outlet, or turning off the service disconnect if the machine is hard wired. Turning the Power Switch OFF does not completely isolate the unit from its power source.

## Plumbing Connections . . .

Plumbing is required for supply water, distilled water and drain water. Inlet/Outlet connections are located on the back of the distiller (see figure 1). The machine needs to be connected to a supply of softened water and to a sewer system which can accept boiling water when it is drained periodically from the boiling chamber.

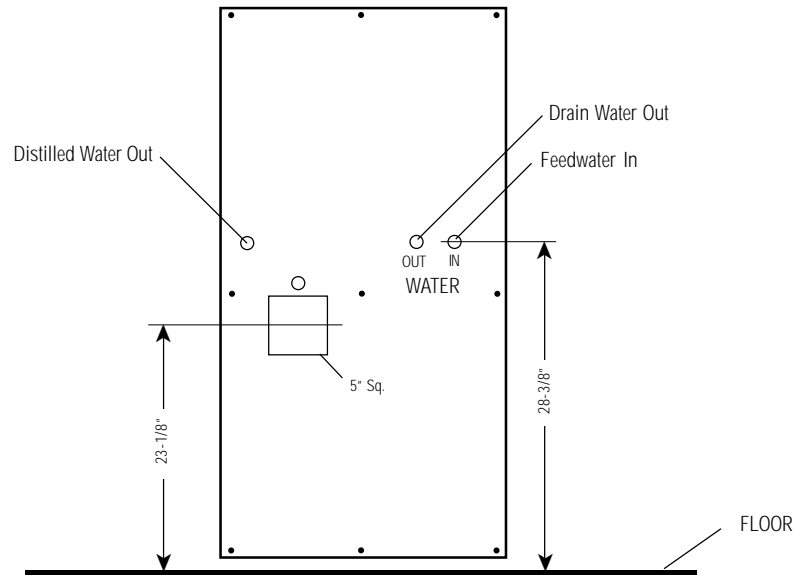


Figure 1

### *Feedwater Line Hook-up . .*

**Note:** Water should be fed to the distiller from a valve or faucet in the supply water line.

1. Install the 1/2" male nylon elbow on the "Water In" connection on the back of the distiller. Attach one end of the 1/2" plastic tubing to the elbow. **Note:** It is recommended that a water softener be used to treat the hard feedwater. Two fittings are included in the parts kit to connect the C-50 to the softener outlet.
2. Have a qualified plumber install the water softener. Hook-up the softener inlet to the cold water source.
3. Install the 3/4" x 1/2" nylon bushing on the softener outlet and install the 1/2" male nylon connector on the bushing. Attach the other end of the 1/2" plastic tubing to the connector.

**If a water softener is not used, follow instruction #4 below:**

4. Install the 3/4" x 1/2" nylon reducer and the rubber washer on the cold water source. Install the 1/2" female nylon connector on the reducer. Attach the other end of the 1/2" plastic tubing to the connector.
5. Turn on the water supply and check for leaks.

**WARNING:** Do not use 1/4" plastic tubing or pipe tapping kit for the supply water line. These cannot supply the flow needed when water is being added.

### *Sewer Line Hook-up . .*

To minimize mineral build-up in the boiling chamber and to prevent contaminant carryover into the distilled water, the machine will shut down regularly and dump the contents of the boiling tank.

The C-50 comes with 12' (91 cm ) of high-temperature 1/2" drain hose that will attach to the distiller drain (1/2"NPT male). This should run to a floor drain or sink no higher than 18" (46 cm) above floor level to allow the tank to drain properly. Do not connect the drain line directly to a waste water drain, sewer line or trap. Always allow an air gap between the drain line and the waste water to prevent the possibility of waste water being forced back into the unit. Make sure the end of the hose is secured so it cannot accidentally be displaced from the sewer line.

The water dumped to the sewer will be at or near boiling temperature. Plastic piped sewer drains are not designed for these temperatures. If the sewer piping is plastic, an intermediate dump tank is recommended with a 4-5 gallon (15-19 liter) capacity. A 4 gallon (15 liter) tank is available for purchase from Pure Water, Inc.

*Note:* Some localities have ordinances governing the temperature of water sent to the sewer. Check with your local Department of Sanitation.

### *Distilled Water Line Hook-up . .*

The Pure Water C-50 distilled water outlets utilize quick-connect fittings which are a rapid, simple and secure method of connecting 1/2" tubing. To release the plugs from the fittings, depress the fitting collet and hold while removing the plug. See figure 2.

Using only 1/2" food-grade plastic tubing (never copper), connect the distilled water outlet port (1/2" quick-connect) on the back or side of the distiller to the faucet or dispenser desired.

When connecting the tubing into the quick-connect fittings supplied with this unit, it is critical the tubing be inserted fully. The tubing should insert into the fittings 1/2" to 3/4". Failure to do so could result in the tubing being released when the line is pressurized with water.

We recommend that prior to inserting the tubing into a fitting, you mark the tubing 1/2" from the end being inserted into the fitting to ensure the tubing is fully and properly installed.

If you need to remove the distilled water line from the fitting, be sure to turn the Power Switch OFF and relieve line pressure before disconnecting. To release the tubing from the fitting, depress the fitting collet and hold while pulling on the tubing.

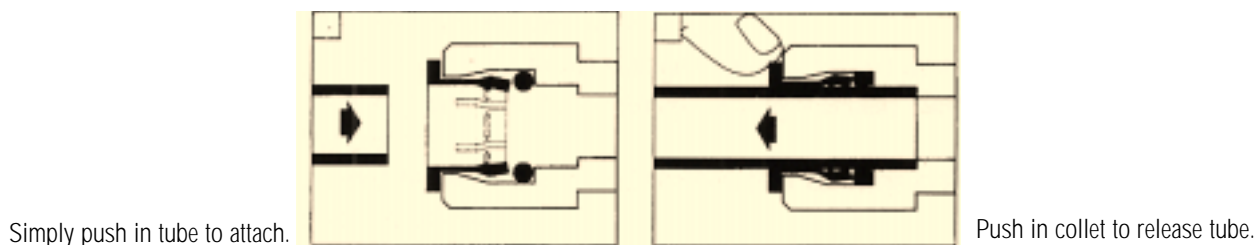


Figure 2

# OPERATION

## Distillation . . .

Once the power, feedwater, sewer and distilled water connections have been completed, you can put the Pure Water C-50 into operation.

- 1) Turn the Power Switch ON.
- 2) Water will start to enter the boiling tank and once it reaches the desired level, the heating elements will automatically turn on. The condensing fan will run when the heating elements are energized.
- 3) Within 15 minutes, production of distilled water will begin.
- 4) Feedwater should be added to the boiling tank every 2-1/2 to 3 minutes. If the cycle time between water additions is longer than 3 minutes, progressively close the faucet or valve on the feedwater supply line until the cycle time is between 2-1/2 to 3 minutes. Longer cycle times may result in decreased water production.
- 5) After 2 hours of operation, distilled water will be available from the storage tank. A faucet downstream from the storage tank will need to be turned on to bleed the distilled water line of air. Allow the unit to run until the holding tank is filled with water and the machine shuts down. This will take approximately 24 hours.

*Note:* The purity light may come on while distilling the first tank of water. This is normal and to be expected. Drain and discard the first tank of water produced as it is not suitable for drinking, however you may use this distilled water for sterilization of the storage tank as described below.

## Sterilizing the Storage Tank . . .

Prior to dispensing distilled water, the storage tank needs to be sterilized. Open the front panel to gain access.

**WARNING:** Disconnect the Pure Water C-50 distiller from the power source before opening the front panel.

To sterilize the tank:

- 1) Turn the Power Switch OFF and remove the filter cartridge from the filter housing.
- 2) Using method A or B below, add chlorine bleach to the storage tank full of distilled water and splash solution into the top surface of the storage tank. Follow the precautions listed on the container label.
  - A. Add 6-1/2 cups (1550 gm) of chlorine bleach to make a 200 ppm chlorine solution and allow to stand for 3 hours.
  - B. Add 1-3/4 cups (400 gm) of chlorine bleach to make a 50 ppm chlorine solution and allow to stand for 24 hours.
- 3) After following the allowed standing time, turn the Power Switch ON and empty the storage tank by running the disinfecting solution through the distilled water line to a drain.
- 4) Rinse the storage tank by allowing the unit fill the storage tank with distilled water and draining it again. This will take approximately 24 hours. You may wish to rinse the storage tank by manually filling the tank with bottled distilled water. This will help speed up the process.
- 5) After the storage tank is rinsed, replace the activated charcoal filter cartridge in the filter housing. The activated carbon filter will filter out any remaining chlorine.
- 6) Secure the front panel and the unit is ready to continue operation.



## Control Panel Functions . . .

Switches and lights used in normal operation of the Pure Water C-50 distiller are located on the front panel of the unit. The lights indicate the status of operation as shown below in Figure 3.

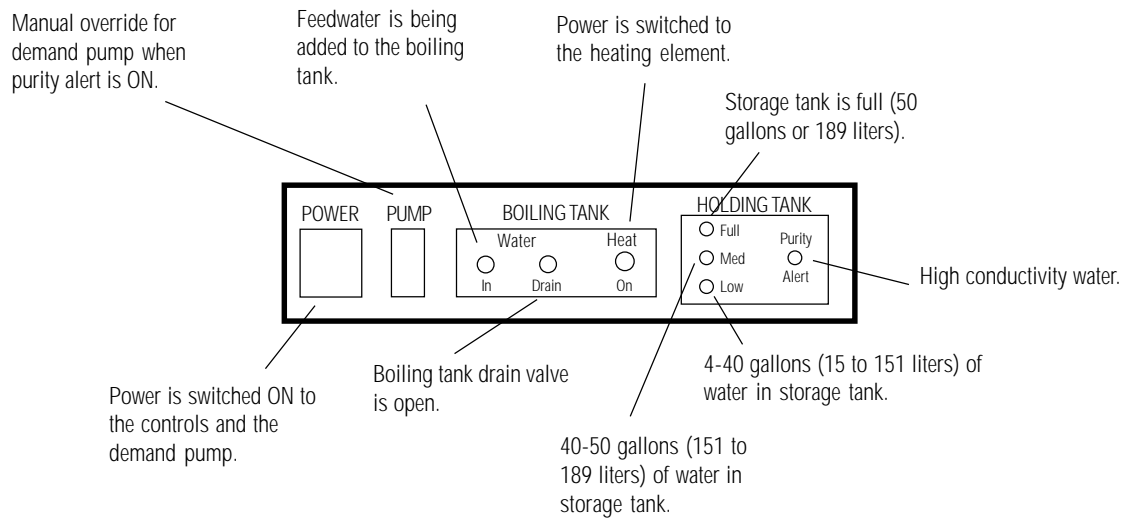


Figure 3

## Boiling Tank Cleaning Switches . . .

Boiling tank cleaning switches are located on the side panel of the electrical box located inside the distiller. They are to be used in the cleaning operation of the boiling tank. Their functions are shown in Figure 4.

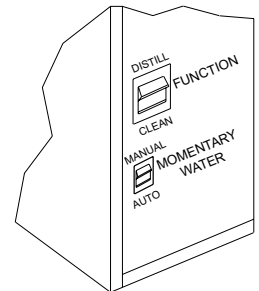


Figure 4

## Optional Boiling Tank Pressure Gauge . . .

If your unit is operating in an environment where it is subject to extreme dirt and dust, you may wish to replace the boiling tank plug with a screw-in pressure gauge available from your Pure Water, Inc. Dealer. This gauge will allow you to monitor the pressure in the boiling tank.

The normal boiling tank operating pressure is 2-4 psi. If the operating pressure exceeds 4 psi, the condenser may not be operating as designed and the following items should be checked.

- 1) Is the blower operating at full speed continuously?
- 2) Is the blower clean?
- 3) Is the system blocked or restricted?

If any of these conditions are not met, the pressure in the boiling tank is likely to be higher than desired and should be corrected.

# PERIODIC MAINTENANCE

## Sterilizing the Storage Tank . . .

(occasionally)

Follow the instructions listed under the *Operation* section on page 8. Use a new activated charcoal filter cartridge after each sterilization.

## Changing the Filter Cartridge . . .

(every three months)

An activated carbon filter is installed behind the front panel downstream of the demand pump. The activated carbon filter cartridge should be changed every 90 days.

1. Turn the Power Switch OFF and depress the Pressure Release Button on the filter housing to relieve pressure in the distilled water line. The distilled water line downstream from the filter housing may also need to be drained, or provide a container under the filter for water spillage.
2. Unscrew the housing from the cap, discard the used cartridge and insert a new cartridge. **IMPORTANT:** When opening the filter housing to install or change the cartridge, it is common for the o-ring seal to lift out of the groove and, at times, it may even stick to the cap.
3. **Note:** The o-ring fits into the groove in the sump (lower housing) to provide a water-tight seal between the cap and the sump when your filter is in operation. It is important that the o-ring be properly seated in the groove in the lower housing each time the unit is reassembled or a water leak could occur through the seal.

To easily reinstall the o-ring into the groove, simply wipe the o-ring clean with a clean cloth, then lubricate the o-ring with a very light coating of white petroleum jelly (Vaseline®, for example), place in the groove and with two fingers wipe the o-ring down into the groove. The o-ring is a full fit in the groove and care must be taken to ensure that it is properly seated.

**Note:** Do not wipe the o-ring clean of lubricant after it has been properly seated, because the lubricant prevents *crawling* of the o-ring during the tightening of the cap. An o-ring which is not properly lubricated could cause leakage.

4. Screw the housing onto the cap and hand tighten. Turn the Power Switch ON and depress the Pressure Release Button. When all air has escaped from the filter, open a faucet downstream to vent any air from the distilled water line. Fully rinse the loose carbon from the cartridge by running approximately two gallons (8 liters) through the distilled water line system with the cartridge installed. Check a sample of water to see that no carbon is being dispensed by the filter after rinsing.

**WARNING:** The filter must be protected against freezing. Failure to do so may result in cracking of the filter and water leakage.

## Inspecting and Cleaning the Boiling Tank . . .

(monthly)

Using a flashlight, inspect the boiling tank monthly for any build-up of sediment. If there is any sediment on the heating elements, scaling on the side walls or bottom of the boiling tank, or collection of loose sediment, it is critical the tank be cleaned with Lumen™ cleaner to remove the build-up. See the instructions below.

Also inspect the boiling tank level probe for mineral build-up. The cleaning procedure below should be used to remove the mineral build-up.

Proper cleaning is important. Improper cleaning may shorten the life of the unit and particularly that of the heating elements. Proper cleaning can reduce the concentration of chemicals, pollutants and other materials from building up in the bottom of the boiling tank. The boiling tank in your unit is automatically drained after 3-1/2 hours of continuous operation or whenever the machine shuts down or is turned off at the power switch.

Your unit should be cleaned whenever there is a noticeable amount of mineral build-up around the outside of the heating elements. The frequency of cleaning will vary from one area of the country to another, depending upon the mineral content in the water and how much water has been distilled. Any loose material is best removed by a wet/dry vacuum cleaner.

For bound-on scale, we suggest that you use a solution of industrial grade cleaner called Lumen, which may be purchased through your Pure Water, Inc. Dealer.

Use the following procedures for chemically cleaning the boiling tank:

- 1) Turn the Power Switch OFF to drain the water currently in the boiling tank.
- 2) After the unit has cooled, remove the boiling tank lid. Turn the Function Switch to the CLEAN position.
- 3) Turn the Power Switch ON.
- 4) Add water to approximately 4" (10 cm) above the bottom of the boiling tank probe by holding the Momentary Water Switch in the MANUAL position.
- 5) Add Lumen following the directions on the package. (The amount of cleaner may need to be increased depending upon the severity of mineral deposits in your boiling tank.) At this point, there are approximately 4-1/2 gallons (17 liters) of water in the boiling tank.
- 6) Mix well.
- 7) Let the solution stand overnight or until the mineral content softens.

**CAUTION:** Under no circumstances should the cleaning solution be heated and run through a steam sterilization or distillation cycle. Make sure the Function Switch is in the CLEAN position.

- 8) The next morning, turn the Power Switch OFF to drain the boiling tank. After draining, turn the Power Switch back ON. If necessary, to rinse the residue from the tank, use the Momentary Water Switch to manually fill the boiling tank. Turn the Power Switch OFF and the tank will drain. Repeat these steps several times to thoroughly rinse out all residue.
- 9) Replace the boiling tank lid and turn the Power Switch ON. Turn the Function Switch to DISTILL. The Pure Water C-50 distiller is back in operation.

## Cleaning the Condenser/Squirrel Cage Blower . . .

(Yearly)

It is recommended that at least once a year the condenser be removed and cleaned. While the assembly is removed, the blower motor should be lubricated with 2 drops of light, all-purpose lubricating oil.

To remove the condenser/blower assembly:

- 1) Disconnect the C-50 from the electrical source.
- 2) Remove the top of the distiller by removing the sheet metal screws. Set the top of the distiller where it won't be damaged.
- 3) The door will need to be supported as the top hinge is on the top panel.
- 4) Remove the boiling tank condenser tubing from the condenser.
- 5) Remove the condenser storage tank tubing from the condenser.
- 6) Remove the four locknuts securing the condenser into the blower assembly and lift out the radiator/condenser. The assembly is now accessible for cleaning. Remove any build-up of dirt and lint from the blower impeller. This can be readily accessed from the top of the machine.

To clean the radiator, either vacuum the dirt from the surface or blow with compressed air.

To install the assembly, reverse the above steps.

## Exterior Panels . . .

Clean the exterior steel panels with stainless steel polish available from your Pure Water, Inc. dealer. The use of solvents is not recommended as they are likely to remove lettering from decals.

# TROUBLESHOOTING

This distiller has been thoroughly tested and operated successfully at the plant before being shipped. However, should any problems arise in the operation of your Pure Water C-50 distiller, please contact your Dealer.

In the event that the distiller does not operate or is not operating properly as described in Figure 5, check the following according to the installation instructions.

- 1) Power Supply
- 2) Water Supply
- 3) Drain System
- 4) Ventilation

*Note:* A wiring diagram is shown on the inside door of the Pure Water C-50 to assist in electrical troubleshooting.

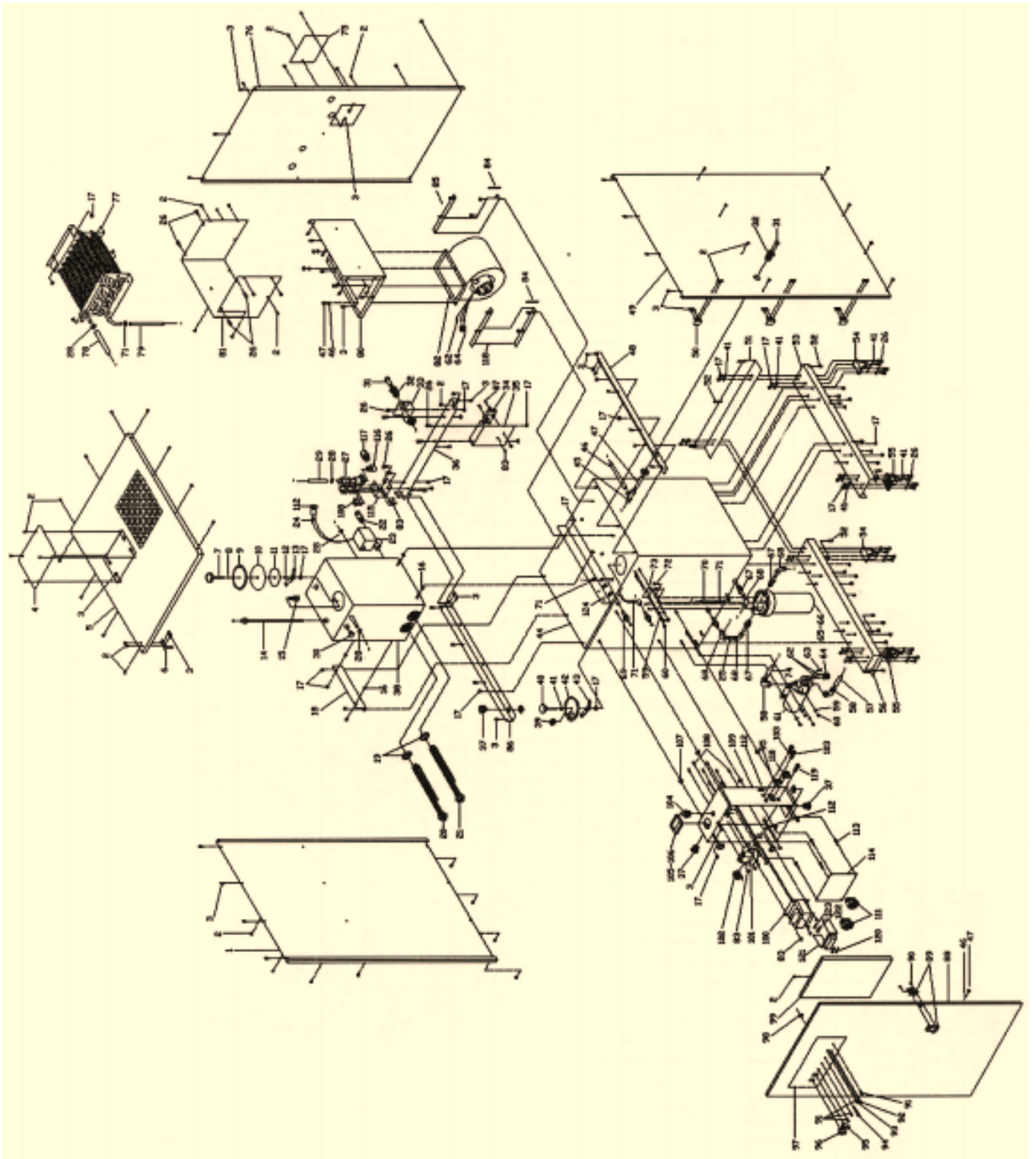
## Permissible Light Combinations . . .

	POWER	WATER IN	WATER DRAIN	HEAT	FULL	MED	LOW	PURITY ALERT	OPERATING STATUS
									Power to controls and demand pump is turned OFF.
	■		■		■	■	■		Storage tank is full and the distiller is shut down.
	■		■			■	■		Shut down to drain boiling tank. Will restart within 6 minutes. Or has shut down with full tank. Will restart when level falls below medium.
	■		■				■		Shut down to drain boiling tank. Will restart within 6 minutes.
	■	■				■	■		Feedwater is being added to the boiling tank. Normally ON for 2 seconds and OFF for 2.5-3 minutes. After boiling tank has been drained, it will be ON for about 50 seconds.
	■	■					■		
	■	■							
	■			■		■	■		Distiller is operating. Distilled water may stop for 30 seconds after water fill cycle, and for 15 minutes after each drain cycle.
	■			■			■		
	■			■					
	■	■				■	■	■	<b>MALFUNCTION</b> Water in the storage tank has high conductivity. The demand pump will not operate. Shut down and check operation.
	■	■					■	■	
	■		■		■	■	■	■	
	■		■			■	■	■	
	■			■		■	■	■	
	■			■			■	■	
	■	■							
	■		■						Storage tank has less than 2 gallons left. Demand pump and purity light will not work.
	■			■					

Figure 5

■ indicates light is ON

# PARTS



# Parts List . . .

KEY #	P/N	DESCRIPTION	KEY #	P/N	DESCRIPTION
1	31057	Right Panel	60	9070	Nut, 10-24, Nylon Lock
2	9029	Screw, Sheet Metal	61	95522	Pump, 120V, 3 gpm
3	9047	Nut, J-Type Speed Clip	62	7033	Terminal Pin
4	31030	Top Access Cover	63	7110	Ring Terminal
5	31029	Top Panel	64	7134	3-Circuit Amp Plug, Nylon
6	31517A-02	Door Hinge Studded	65	9589	Filter Cartridge
7	8009	Lid Knob with Stud	66	9578-1	Deluxe Filter Housing
8	6022	O-Ring	67	9629	Speedfit Stem Adaptor
9	519	Lid Disc	68	9631	Union Elbow, 1/2"
10	69	Lid Gasket	69	7234	Storage Tank Probe
11	533	Lid Gasket Retainer Plate	70	9527	Tubing, Nygel
12	9085	Lid Spring	71	9516	Hose Clamp
13	402B-01	Crossbar Welded	72	9008	Screw, Sheet Metal
14	7235	Boiling Tank Probe	73	532	Deluxe Filter Mounting Bracket
15	9554	Vacuum Breaker Valve, 1/2"NPT	74	9563	Tubing, 1/2"OD
16	9045	Nut, 1/4-20, Hex	75	31031	Rear Access Cover
17	224-0003	Nut, 1/4-20, Nylon Lock	76	31056	Rear Panel
18	31041	Boiling Tank Bracket	77	31569A-01	Condenser, Welded
19	52605	O-Ring, Silicone	78	9541	Tubing, Silicone
20	9657	Heating Element, 3000W, 240V	79	324-0037	Tubing, Food Grade, Silicone
21	9658	Heating Element, 3500W, 240V	80	31022	Plenum Tray
22	9539	Nipple, Brass	81	31021	Plenum
23	7247	Drain Valve, 120V	82	31503A-02	Blower, Studded
24	7032	Terminal Socket	83	9003	Nut, 8-32, Nylon Lock
25	9563	Tubing, 1/2"OD	84	31078	Trim
26	223-0015	Screw, 1/4-20 x 3/4", Hex	85	31032	Blower Mounting Bracket
27	7219	Water Inlet Solenoid	86	31015	Upper Right Panel Mounting Bracket
28	95400	Hose Clamp	87	9019	Screw, 8-32 x 5/8"
29	9541	Silicone Tubing	88	31046	Front Door Panel
30	9521	Plug, 1/4"NPT, Hex Head	89	9651	Locking Latch
31	9630	Speedfit Plug, 1/2"STEM	90	9034	Screw, 10-24 x 1/4"
32	9611	Bulkhead Union, 1/2"	91	7080	Light, LED, Red
33	31055	Rear Water Outlet Bracket	92	7082	Light, LED, Yellow
34	7218	Junction Block	93	7081	Light, LED, Green
35	31012	Power Terminal Bracket	94	7079	Light, Red Neon Indicator
36	31054	Upper Rear Panel Mounting Bracket	95	7227	Switch, Momentary
37	9822	Bushed Chase Nipple, 1/2"	96	7228	Switch, ON/OFF
38	31570A-02	Boiling Tank Studded	97	6403	Decal, Front Door
39	411A	Vent Plug	98	7035B	Speed Nut, Rectangular
40	8009	Lid Knob with Stud	99	31061	Circuit Box Lid
41	9009	Washer, 1/4", Flat	100	9652	Transformer, 240V to 120V
42	31511A-02	Storage Tank Lid Disc, Studded	101	9661	Contact Relay, 2-Pole
43	402B-01	Crossbar, Welded	102	9830	Romex Cable Connector, 3/4"
44	31582A-02	Storage Tank, Studded	103	9666	Fuse, 3 Amp, 250V
45	9619	Union Tee, 1/2"	104	9665	Inline Fuse Holder
46	9563	Tubing, 1/2"OD	105	9656	Panel Meter
47	9563	Tubing, 1/2"OD	106	9656A	Resistor, Panel Meter
48	31053	Upper Left Panel Mounting Bracket	107	8070	Nylon Spacer
49	31045	Left Panel	108	9095	Screw, 8-32 x 1/2"
50	31007	Latch Angle Bracket	109	31516A-02	Circuit Box Studded
51	31052	Lower Rear Panel Mounting Bracket	110	7221	Switch, Function
52	9054	Nut, J-Type Speed Clip (Large)	111	7135	15-Circuit Amp Plug, Nylon
53	31051	Left Channel	112	7133	3-Circuit Amp Cap, Nylon
54	9037	Castor, Rigid, 2"	113	7241	Circuit Board Support
55	9036	Castor, Swivel, 2"	114	9660	Circuit Board
56	31578A-02	Right Channel Studded	115	31081	Solenoid Bracket
57	9563	Tubing, 1/2"OD	116	221-0345	Elbow, Brass
58	9583	Elbow, Nylon	117	221-0346	Adaptor, Brass
59	9094	Washer, #10, Flat		31063 to 31067	Boiling Tank Insulation (not shown)

## Accessories/Common Parts for the Pure Water C-50 . . .

<u>Part Number</u>	<u>Description</u>
7079	Neon Indicator Light, Red
31950A	LED, Red
31951A	LED, Green
31952A	LED, Yellow
7227	Momentary Water Switch
7221	Function Switch
7228	Main Switch
7234	1-1/2" Probe—Storage Tank
7235	11-1/2" Probe—Boiling Tank
7219	Water Inlet Solenoid
9589	Activated Carbon Cartridge
9654B	Heating Element, 2500W
9657	Heating Element, 3000W*
9658	Heating Element, 3500W*
9654	Heating Element, 4000W
9654A	Heating Element, 4500W
9660	Pure Water C-50 Control Board, 120V
9661	Contacting Relay
31519A	Demand Pump Assembly
31503A	Blower Assembly
31569A	Condensing Coil Assembly
31570A	Boiling Tank Assembly
31571A	Boiling Tank Drain Assembly
31590A	Dual Blower Conversion Kit
229-7035	Bladder Tank, 20 gallon (75 liters)
9653	Pressure Gauge
3987	Dump Tank, 4 gallon (15 liters)
6603	Lumen Cleaner, 2 lb. jar
6606	Stainless Steel Polish, 18 oz. can

\*Standard heating elements when Pure Water C-50s are shipped from Pure Water, Inc.