



INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Warning

Please read carefully before proceeding with installation. Your failure to follow any attached instructions or operating parameters may lead to the product's failure and possible damage to property.

MODEL CT-1



Refer to enclosed warranty for operating parameters to ensure proper use with your water supply.

Premier, Inc.
Phone: 800-752-5582
Manual #: 199908

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www.premierH2o.com

Peoria, AZ 85381
Fax: 623-866-5666
Manual Date: 10/09/12

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Service Record

Date of Purchase: _____ Date of Install: _____ Installed by: _____

DATE	FILTER	DATE	FILTER	DATE	FILTER

NOTES:

Thank you for your purchase of a CT-1 Counter system. With proper installation and maintenance, this system will provide you with high quality water for years to come. All of Premier's water enhancement products are rigorously tested by independent laboratories for safety and reliability. If you have any questions or concerns, please contact our customer service department at 1-800-752-5582 (outside USA 480-675-7995) or refer to our online troubleshooting at www.premierH2o.com.

Operational Parameters

Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system. Installation needs to comply with state and local plumbing regulations.

	Maximum	Minimum
Operational Temperature	100°F (37.8°C)	40°F (4.4°C)
Operating Pressure	100 psig (7.43 g/cm ²)	20 psig (1.406 kg/cm ²)
pH Parameters	10	5
Flow Rate	0.5 GPM @ 60 psig	

Contents of Counter Top System

- 1 single stage Counter top system
- 1 CT-1 Filter and Housing with faucet connector
- 1 Manual and Warranty Card

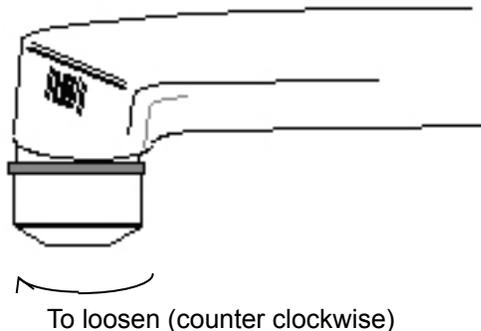
If any of the items are missing please contact Premier prior to installing.

Tools Recommended For Installation

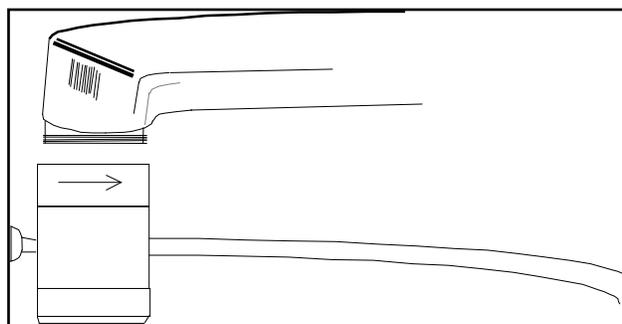
√ A pair of pliers may be required

Installation

Step A: Remove the faucet aerator by turning it counterclockwise, (as shown in Figure A).



Step B: Check faucet aerator threads. If your faucet aerator threads are the same as the diverter valve, screw the diverter directly on to your faucet. (See figure below). If the aerator threads are different than the diverter valve, the universal adapter will be required. (See figure on next page). If necessary, screw in the universal adapter into the faucet.



Step C: Now that you have connected your CT-1 to the faucet you need to purge the air from the system. Turn on the cold water. Pull out the diverter control button and water will run through the CT-1. (See figure C). **Note: You may hear some noise as air is being purged from the CT-1 and the first few glasses of water through the unit may be dark color due to carbon fines.** Run water through your unit until it is clear of carbon fines.

Your CT-1 is now ready to provide you with fresh, clean drinking water.

FILTER CHANGE

Premier recommends changing the filter element at least every 6 months or 1350 gallons (5100 liters).

Use Premier's replacement cartridges only. Other filters may look the same, but only filters by Watts are manufactured to fit your CT-1 filter unit in order to ensure proper reduction of water contaminants.

Note: There will be water in the CT-1 Filter Housing. To prevent spillage, turn the CT-1 upside down before removing Filter Housing from the base. See figure D.

Step 1: Remove CT-1 filter housing from base by unscrewing it in a counterclockwise direction as shown in figure D.

Step 2: Slide out used Carbon Block and filter cartridge gaskets and discard. **NOTE: Do not discard the CT-1 filter housing O-Ring.**

Step 3: Clean inside the of the CT-1 filter housing with warm soapy water. Rinse the CT-1 Housing with warm clean water to remove soap.

Step 4: Lubricate filter housing O-Ring with a water-soluble lubricant (i.e. K-Y Jelly® or Silicone lubricant) NOTE: Do not use Petroleum based lubricant (i.e. Vaseline®).

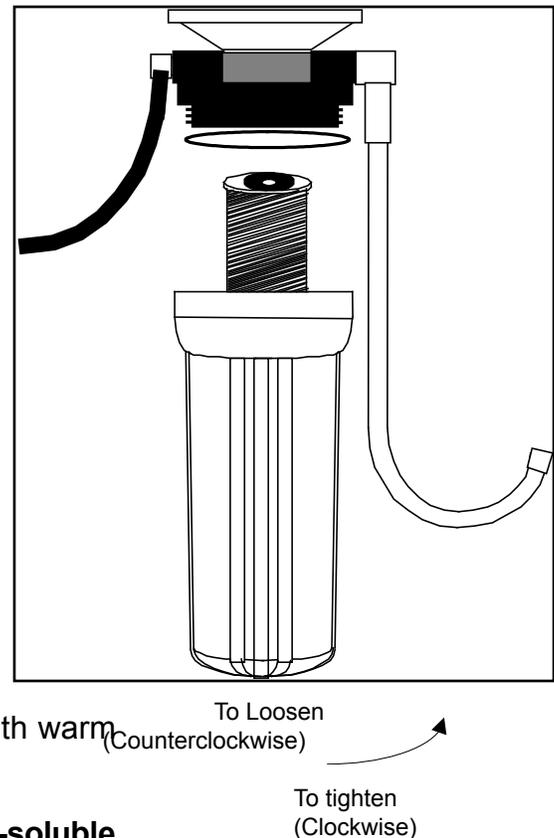
Step 5: Seat O-Ring into filter housing groove.

Step 6: Slide new filter cartridge into filter housing and screw CT-Filter housing onto base.

Step 7: Repeat Step C (From initial installation)

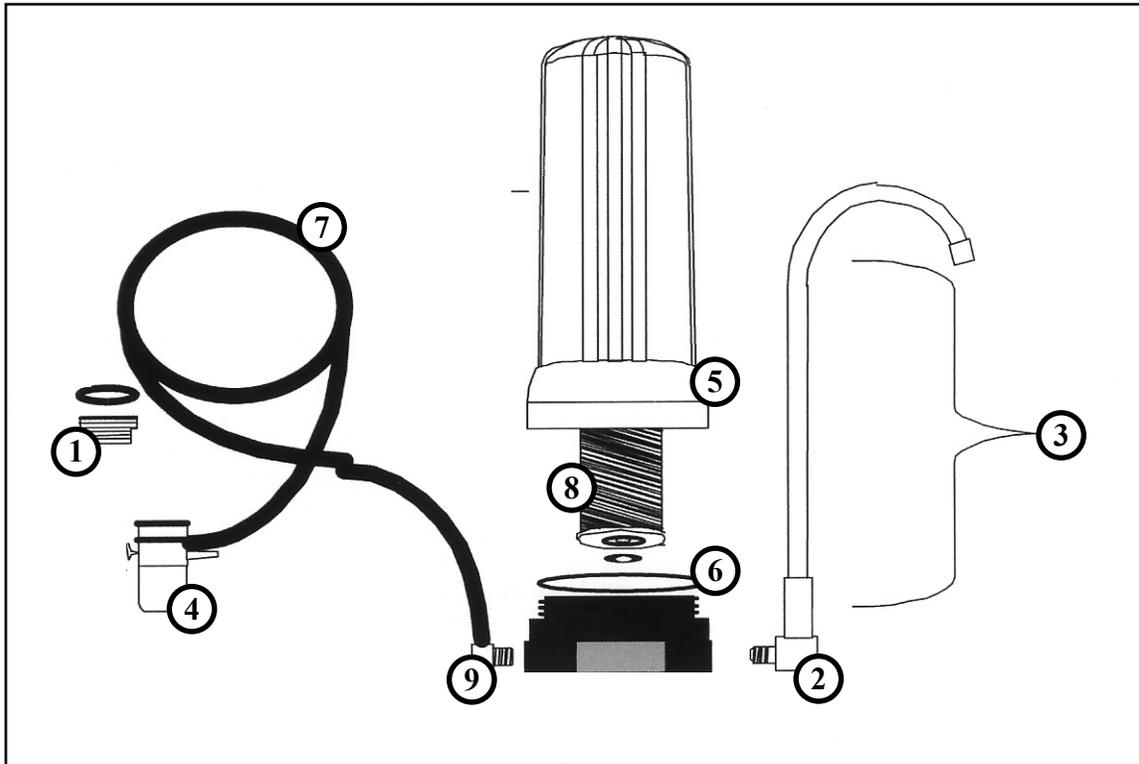
For replacement filters or questions regarding installation or servicing, contact:

FIGURE D



Premier Customer Service Department (toll free within the United States) 1-800-752-5582. (Outside the United States) 480-675-7995. M-F: 8:00AM – 5:00PM MST. Replacement filters are also available online at: www.premierH2o.com.

CT-1 Parts Explosion



ACT-C

Item	Part Number	Description
1	116150	DIVERTERS .312/.812
2	116179	ELBOW W/ORING
3	116151	SPOUT - CHROME
4	116152	FAUCET DIVERTER CHROME
5	113107	HOUSING ASSEMBLY
6	113029	HOUSING/LID ORING
7	140034	VINYL TUBING
8	101008	CTO CARBON BLOCK
9	125082	FITTING - CONNECTOR

Alternative Filters

Part Number	Description
101013	VOC Reduction
101014	LCVOC Reduction
101015	Lead Reduction
100036	GAC Carbon
101007	1 Micron CB
101009	5 Micron CB

ACT-P

Item	Part Number	Description
1	116150	DIVERTERS .312/.812
2	125145	ELBOW QC TO SPOUT
3	116251	SPOUT - WHITE
4	116153	FAUCET DIVERTER WHITE
5	113107	HOUSING ASSEMBLY
6	113029	HOUSING/LID ORING
7	140034	VINYL TUBING
8	101008	CTO CARBON BLOCK
9	125082	FITTING - CONNECTOR

Premier, Inc.
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Performance Data Sheet for specific claims to NSF Std-53.

CT-1

GENERAL USE CONDITIONS:

1: System to be used with municipal or well water sources treated and tested on regular basis to insure bacteriological safe quality. DO NOT use with water that is microbiologically unsafe or unknown quality without adequate disinfection before and after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

- | | | | |
|------------------------------|----------------|---|-------------------------------|
| 2: Operating Temperature: | Maximum | 100° F (40.5° C) | Minimum 40° F (4.4° C) |
| 3: Operating Water Pressure: | Maximum | 100-psi (7.43 kg/cm²) | Minimum 10-psi |
| 4: Turbidity: | | < 5 NTU | |
| 5: pH: | | 5 to 10 | |
| 6: Maximum flow Rate: | | 0.50 gpm (1.89 lpm) | |

RECOMMENDED REPLACEMENT PARTS AND CHANGE INTERVAL:

Note: Depending on incoming feed water conditions replacement time frame may vary.

Description	Units	Change time Frame
1 Micron Carbonblock P-CB-1:	CT-1	6 Months or 1350 gallons



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Limited Warranty

What your Warranty Covers:

If any part of your Premier CT-1 System is defective in workmanship (excluding replaceable filters), return unit after obtaining a return authorization (see below), within 1 year of original retail purchase, Premier will repair or, at Premier's option, replace the system at no charge.

How to obtain Warranty Service:

For warranty service, call 1-800-752-5582 for a return authorization number. Then, ship your unit to our factory, freight and insurance prepaid, with proof of date of original purchase. Please include a note stating the problem. Premier will repair it, or replace it, and ship it back to you prepaid.

What this warranty does not cover:

This warranty does not cover defects resulting from improper installation, (contrary to Premier's printed instructions), from abuse, misuse, misapplication, improper maintenance, neglect, alteration, accidents, casualties, fire, flood, freezing, environmental factors, water pressure spikes or other such acts of God.

This warranty will be void if defects occur due to failure to observe the following conditions:

1. The Counter Top System must be hooked up to a potable municipal or well cold water supply.
2. The pH of the water must not be lower than 5 or higher than 10.
3. The incoming water pressure must be between 10 and 100 pounds per square inch.
4. Incoming water to the Counter Top cannot exceed 100 degrees F (40 degrees C.)
5. Do not use with water that is micro-biologically unsafe or of unknown quality without adequate disinfection before or after the system.

This warranty does not cover any equipment that is relocated from the site of its original installation.

This warranty does not cover any equipment that is installed or used outside the United States of America and Canada.

LIMITATIONS AND EXCLUSIONS:

Premier WILL NOT BE RESPONSIBLE FOR ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Premier WILL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING TRAVEL EXPENSE, TELEPHONE CHARGES, LOSS OF REVENUE, LOSS OF TIME, INCONVENIENCE, LOSS OF USE OF THE EQUIPMENT, AND DAMAGE CAUSED BY THIS EQUIPMENT AND ITS FAILURE TO FUNCTION PROPERLY. THIS WARRANTY SETS FORTH ALL OF PREMIER'S RESPONSIBILITIES REGARDING THIS EQUIPMENT.

OTHER CONDITIONS:

If Premier chooses to replace the equipment, Premier may replace it with reconditioned equipment. Parts used in repairing or replacing the equipment will be warranted for 90 days from the date the equipment is returned to you or for the remainder of the original warranty period, whichever is longer. This warranty is not assignable or transferable.

YOUR RIGHTS UNDER STATE LAW:

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives you specific legal rights, and you may have other legal rights which vary from state to state.



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