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## Install Guide

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### CP2000-CT Sparkling & Still Countertop Chiller System CP2000-CT2, CP2000-CT3, or PB Systems













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# CR-KIT-CPCT Install Kit

Ordered Separately

Install Kit for CP2000-CT2, CT3 or PB Countertop Chiller Systems

QTY	Description	Part Number	Usage
1	 3/8 Tube x 9/26-24 Female Adapter	PSEI6012U9	Quick connect fitting adaptor to an anglestop
1	 1/2" Tube to 3/4" NPT	PSEI012026	Adaptor reducers for filter system inlet and outlet
1	 5/8" (1/2") Stem to 3/8" tube	PP062012W	Adaptor reducers for filter system inlet and outlet
3	 JG 90 elbow 3/8" smooth to 3/8"	PP221212W	For trunkline outlet of unit and water inlet
2	 JG 3/8" mpt to 3/8" push-in	PP011223W	For CR-14FC Water filter head, inlet and outlet
1	 JG 3/8" to 3/8" union	PP0412W	Water inlet fitting. Union fitting from hose to tube
2	 JG 1/2" mpt to 3/8"	PI451214FS	For Shurflo Water Reg. inlet and outlet
10	 JG 3/8 Locking Clips	PIC1812R	Collet locking clip for JG fittings
1	 50 PSI Water Pressure Reducing Valve (WPRV)	183-150-NF	Install after water filter system to regulate pressure feeding unit to 50 PSI
1	 12' Section of 3/8" OD tubing	PE-12-EI	Water inlet tubing, filter system to chiller

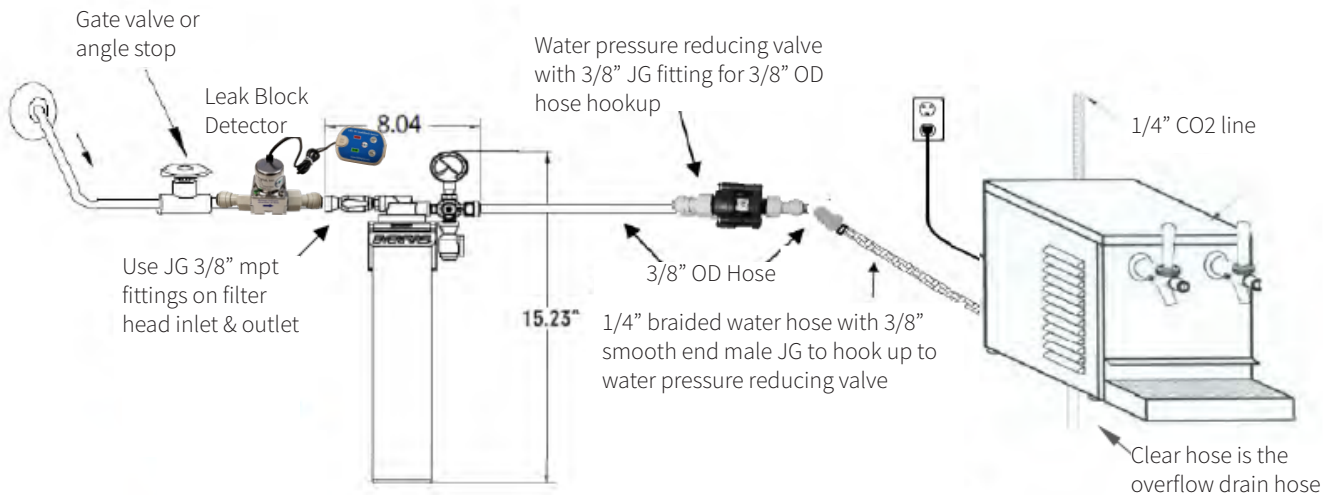
This Kit is designed to supply you with the fittings & parts you may need to complete the install of our Everpure CR-14FC Filter system to a Crysalli Countertop CP2000-CT2 with 3/8 John Guest Water Inlet Fitting.

Always reference local plumbing codes to determine if a backflow preventer is required and to check the type/style of backflow preventer that is accepted as well as the plumbing location it needs to be placed in.

Crysalli does not include backflow preventers in the install kits because of variability in requirements.

Backflow devices should be sourced from local plumbing stores.

For questions or assistance with install contact Crysalli 510-732-0100 or your local Distributor.



Tighten PI451214FS 1/2" to 3/8" JG fitting to inlet and outlet of water pressure reducing valve



Optional accessory available: CR-LD38JG Inline Leak Detector and Auto Water Shutoff.

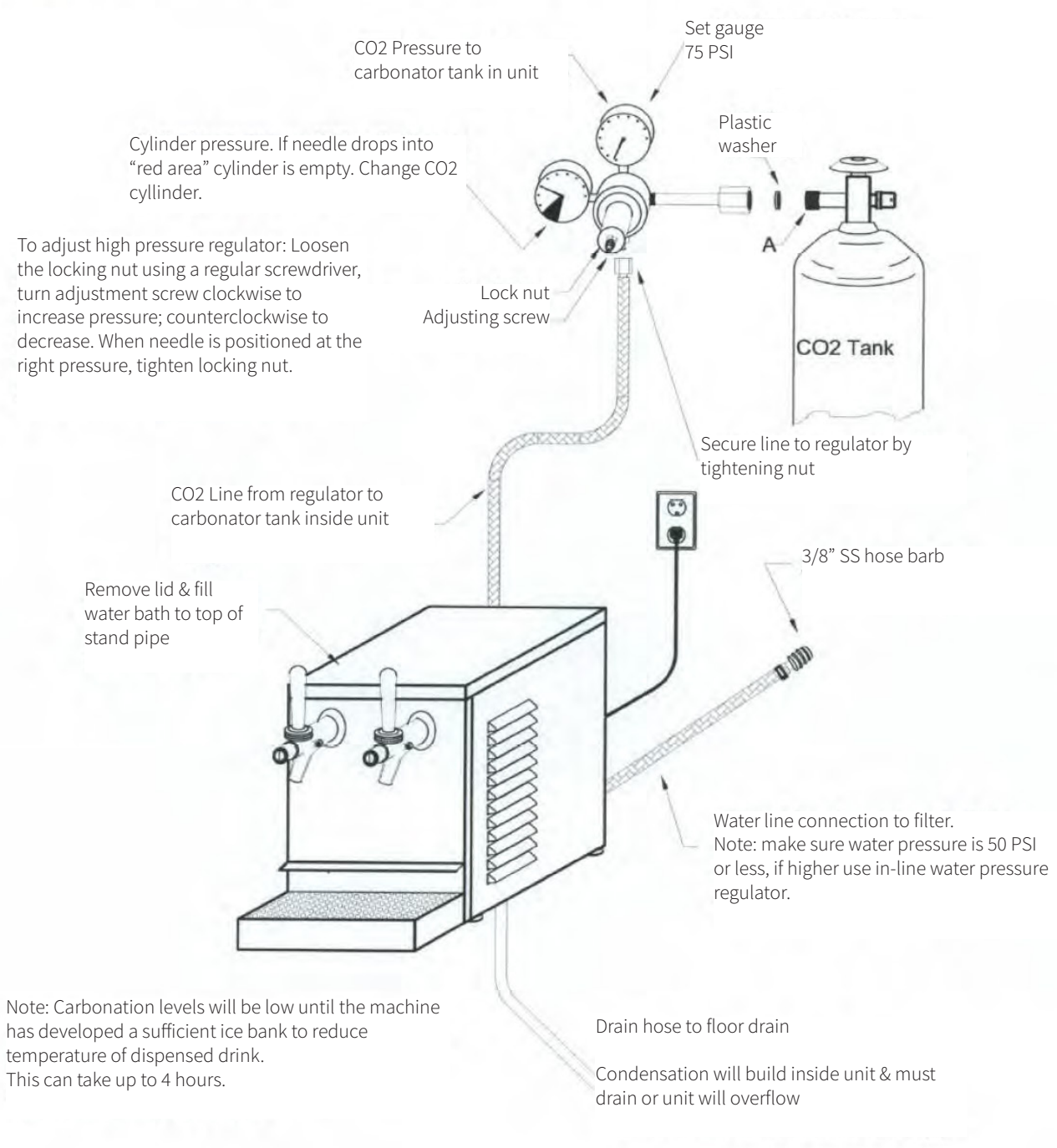
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## CP2000-CT2 Quick Installation Guide Instructions

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1. Select a location for your chilled water dispenser, keeping in mind the unit needs air space behind it and to the sides. Place unit as close as possible to water filter connection & 120-volt electrical outlet.
2. Mount the Water Filter System vertically with the filter hanging down, in an accessible location leaving 2.5" of space below the cartridge for easy replacement. The CR-14FC filter system has a 3/8" fpt inlet and outlet, so use fittings appropriate to the hose size or angle stop you are drawing water from. Plumb Leak Block device after angle stop.
3. This unit comes with a 50 PSI water pressure reducing valve (WPRV) supplied with 3/8" JG push in fitting. Plumb this WPRV in after the water filter system with the arrows in the direction of water flow. You can use one of the 6' sections of 3/8"OD hose to connect from the filter to the WPRV. Push the hose end into the fitting till it stops, you can then pull lightly on it to confirm it is tight.
4. Use the other 6' sections of 3/8" OD hose on the outlet of the WPRV to then connect to the CP-2000-CT2. The CP-2000-CT2 has a short water inlet hose off the bottom of it with a 3/8 JG push-in fitting end. Connect the water inlet hose from the WPRV to this fitting.
5. Connect a high pressure CO2 regulator (CR-PC160) to CO2 cylinder then connect "CO2" line from unit to regulator. The "CO2" line is the 1/4" braided hose with a stainless steel nut on the end of it.
6. Turn on water. Check connections for leaks and flush the water filters.
7. Open CO2 by turning knob on tank. Adjust regulator between 55-75 PSI. And check for leaks.
8. Run clear overflow drain hose to floor drain or other waste drain.
9. Fill water bath: Remove lid and fill water bath with non-filtered tap water, fill up no less than 1/4" to top of white standpipe. This is the vertical white tube in the water bath that is connected to the clear overflow hose.
10. Plug unit power cord into 120-volt outlet. Toggle the on/off rocker switch to the "on" position. Fan and compressor will turn on. Fan and compressor will automatically turn off when a complete ice bank is made and cycle on and off to maintain it.
11. Unit will take between 3 & 4 hours to make a complete ice bank.
12. Pull open the still water and sparkling water faucets to run water through the system. You will need to run the sparkling water faucet for several minutes to cycle the carbonation system before full sparkling water will dispense.
13. Once unit has built the ice bank, you are ready to dispense chilled still and sparkling water.

# Countertop Chilled Water Dispenser Quick Installation Guide



## X0101-B-HEX Faucets

The faucets come with a flow rate control valve on each one of them. This valve is located on the right side of the faucet. It is designed to be adjusted and set via a metric 2.5 allen hex wrench to a desired flow. Flow is typically set based on cup size being poured into. Adjustments should be made while the faucet handle is held open and water flowing, to visually see the flow setting. Also fill into the glass or carafe you will typically be using to judge fill time and minimize splashing. The slower you can set the flow of sparkling water, the better the bubble profile you will get. With the Crysalli unit on and CO2 set to 75 PSI, adjust the valve to a full flow position, then adjust the flow rate from the faucet down by turning your wrench within a quarter turn.

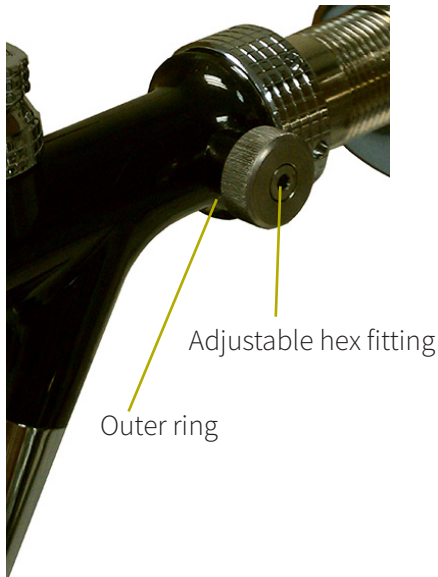
Once set, tighten the outer ring with a wrench to lock the valve in place. Lock tight can be used on the threads of the outer ring to help keep it tight. The valve may need to be periodically re-adjusted based on use.

Locking flow control faucet Part# X0101-B-HEX  
With hex key adjustment



Flow control adjuster

Using a 2.5 hex wrench to adjust flow rate



## CO2 Information

CO2 tanks can be sourced and refilled from local beverage CO2 companies (both bulk and/or tank) and welding supply companies.

On average, 1lb of CO2 will be used for every 5 gallons of sparkling water. A 20lb tank should carbonate 100 gallons (12,800oz or 378 liters) of sparkling water.



**WARNING:** CO2 can be dangerous. CO2 cylinders contain high pressure gas which can be hazardous if not handled properly. Follow all CO2 regulator instructions (found with CO2 regulator) and other handling instructions from the CO2 tank supplier.

## CR-PC160 High Pressure CO2 Regulator 0-160 PSI

**Attaches to 5-100lb CO2 tanks. Set at 75 PSI as a starting point.**

**Note:** Low-pressure beer regulators 0-60 PSI will not work properly with Crysalli.

Fill level gauge: Volume of CO2 in tank. Tank is empty when needle is in the red zone or zero.

Output pressure gauge: Shows CO2 output pressure setting. Set to 75 PSI.

Threaded connection to CO2 tank.

1/4" Male flare connection to Crysalli chiller. Use nylon washer supplied with regulator in fitting.

Pressure adjustment screw and locking nut.





## **CP2000-CT Countertop Cleaning and Maintenance Recommendations**

### **Daily:**

- Wipe down the unit or draft tower, cleaning and drying all surfaces. (Use window cleaner on mirrored and chrome finishes).
- Clean and dry drain pan and drain grate. Check that water is draining, pour warm water down drain if necessary.
- Check over faucets for action and hand tighten any loosened handles or nuts on them. A wobbling faucet indicates the faucet body is loosening from the shank which can result in a leak, faucet coming off or stripping the teeth. Use a shank wrench to tighten the shank nut to the faucet.
- Check flow from faucet, loosen, readjust, and tighten flow control knob as needed.
- Check that flow, temperature and carbonation of water poured from the unit are consistent to average use.

### **Weekly:**

- Clean the faucets by wiping them down. If there is any scale or slime submerge them in cleaners/sanitizer and use a brush on them.
- Check CO2 level at CO2 tank.

### **Monthly:**

- Clean the air filter. Remove it to brush down and wash off dust and dirt, then reattach.
- Check for good water pressure at the water filter system by running water from flush valve on filter.
- Visually check pre-filter in clear bowl on water filter system (if applicable) to determine if it needs replacing. Use only EPC5-10 replacement pre-filter cartridge.

### **Quarterly:**

- Check the water bath level, either top off or drain, clean and refill.

### **Semiannually:**

- Change the water filters. Use only 4FC replacement filter cartridges.
- Drain water bath, clean and refill with new water.
- Remove and disassemble faucets for cleaning and inspection.

### **Annually:**

- Inspect internal water bath components such as agitator/re-circ pump and blade, check valves for CO2 and water, and all hose connections.
- Flush and rinse system with food safe sanitizer (this work should be performed by a certified service tech).

Model Number:

Install Date:

Serial Number:

Installer/Service:



### Limited Express Warranty

Crysalli Beverage Systems (herinafter referred to as Crysalli) warrants for a period of 12 months from installation date (except as limited below) that new Crysalli water systems, towers and faucets (herinafter referred to as Product) manufactured by ICI for Crysalli shall be free of defects in material or workmanship under normal and proper use and maintenance as specified by Crysalli and upon proper installation and start-up in accordance with the Quick Install Guide and Owners Manuals. Any accompanying water filtration system is warranted by the Manufacture of that product only, not by Crysalli, ICI or WPD.

The obligation of Crysalli under this limited express warranty is limited to the repair or replacement of parts, components, or assemblies that in the opinion of Crysalli are defective. This warranty is further limited to the cost of parts, components or assemblies and standard straight time labor charges at the servicing location. Replacement parts are warranted for 90 days or the balance of the original warranty period, whichever is longer. The foregoing constitutes Crysalli's sole obligation and the consumer's exclusive remedy for any breach of this warranty. Crysalli's liability under this warranty shall in no event be greater than the actual purchase price paid by the consumer for the Product. Additional expenses including, without limitation, service travel time, overtime or premium labor charges, accessing or removing the Product, or shipping are the responsibility of the consumer.

The foregoing limited express warranty shall not apply to costs for: (1) periodic or routine maintenance including water filter change outs, (2) repair or replacement of the Product or parts due to normal wear and tear, (3) defects or damage to the Product or parts resulting from clogged water filters, misuse, abuse, neglect or accidents, (4) defects or damage to the Product or parts resulting from improper or unauthorized alterations, modifications, or changes; (5) defects or damage to any Product that has not been installed and/or maintained in accordance with the Owners Manual, Quick Install Guide or technical instruction provided by Crysalli, ICI or WPD; and (6) any work being performed by non-authorized service agents.

THIS LIMITED EXPRESS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR GUARANTEES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL CRYSTALLI, WPD, OR ICI BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Upon the expiration of the warranty period, Crysalli's liability under this limited express warranty shall be terminated. The foregoing limited express warranty shall constitute the sole liability of Crysalli, WPD and ICI and the exclusive remedy of the customer or user.

To secure prompt and continuing warranty service, the warranty registration card or online form must be completed and sent to Crysalli within thirty (30) days from install date. Complete the following registration card and send to Crysalli/WPD to below address. Retain a copy for your record.



Name of Customer/Business & Address: \_\_\_\_\_  
\_\_\_\_\_ Phone: \_\_\_\_\_

Distributor/Dealer:

Model Number:

Serial Number:

Install Date:

Install Company:

Crysalli Beverage Systems  
1739 Sabre Street, Hayward, CA 94545  
Phone: 510-732-0100 Fax: 510-732-0155  
Website: www.crysalli.com

Or register online:

