

# **HOMEOWNER'S MANUAL**

**PURONICS®  
GOODSPRING® CPS/CWS  
With Chloroshield™ Clearess® Filter Media  
With Chlorostatic® Technology**

**THE NEW FACE OF WATER TREATMENT®**

# **PURONICS®**

*The Next Generation of Ionics Solutions*

**Manufactured by:  
Puronics Water Systems, Inc.  
5775 Las Positas Road  
Livermore, CA 94551  
(800) 339-8780  
[www.puronics.com](http://www.puronics.com)**

## IMPORTANT

*This booklet contains your Owner Limited Warranty Card. Make sure this Warranty Card is filled out by your Dealer and returned to Puronics Water Systems, Inc. within two weeks of installation to assure proper warranty registration.*

*Questions about your warranty registration may be answered by writing to:*

*Warranty Registration Dept.  
c/o Puronics Water Systems, Inc.  
5775 Las Positas Road  
Livermore, CA 94551*

Your Puronics® Dealer is ...

# *Congratulations*

Puronics® welcomes you to a new, carefree way of life with filtered water. You can take pride and satisfaction knowing that you own the very best.

We are proud that you have selected the Puronics® deluxe quality GOODSPRING® C for your home. Your sound judgment is supported by the wide acceptance received for these units throughout the world. More and more quality conscious homeowners are purchasing Puronics® Water Treatment equipment because of its superior performance and its premium quality workmanship.

The following pages of this booklet will introduce you to your new Puronics® GOODSPRING® C by explaining operation, care and maintenance. In addition, the booklet provides recommendations for getting the very best performance from your unit as well as answers to commonly asked questions.

Caring for Your Water...Caring for Your Family.

**Puronics Water Systems, Inc.**

# PURONICS®

## **General Information**

Your Puronics® GOODSPRING® CPS/CWS is completely automatic. It will provide an abundance of filtered water throughout the entire house. Your unit was thoroughly tested at the factory before shipping, and again at the time of installation. It does not require salt or electricity. It does not produce wastewater and is completely self-contained. It is not subject to water softener bans and is safe for landscape watering.

It is a good idea to wipe the unit occasionally and then apply a good coat of wax. This procedure will keep your water filter looking bright and clean for a lifetime.

In case some problem should arise, you can manually by-pass the unit by throwing the two by-pass levers. Then call your authorized Puronics® dealer. He has been trained in all phases of maintenance and repair work and will have the unit back in operation quickly. If there is not a Puronics® dealer in your vicinity, then contact another reliable water conditioning firm. Failing that, please write directly to the factory: Puronics Water Systems, Inc., 5775 Las Positas Road, Livermore, CA 94551 Attention: Service Department or send an email to [techsupport@puronics.com](mailto:techsupport@puronics.com).

**DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM.**

Your Puronics® GOODSPRING® CPS/CWS features two medias:

## **ScaleMax®**

Scalemax provides protection from scale formation throughout the plumbing system. ScaleMax can be installed at the point of entry to treat your entire system, both hot and cold water, or it can be located directly before a water heater or other device (e.g. steamer, etc.) that requires protection from hard water.

ScaleMax reduces or eliminates scale formation on internal and external plumbing surfaces as well as reducing spotting and streaking normally associated with hard water.

ScaleMax prevents scale by transforming the normal dissolved hardness minerals into

undissolved crystal micro-particles. These crystals stay suspended in the water and have a greatly reduced ability to react and attach to surfaces like dissolved hardness does. Therefore, the problem of internal buildup of scale in pipes, water heaters and on fixtures and glass is greatly reduced.

**GOODSPRING® PCS/WCS with ScaleMax is not a water softener** – Low or phosphate-free cleaning products are recommended to achieve optimum results. Modern surfactant or detergent based, liquid soaps are preferred over old-fashioned caustic solid soaps.

ScaleMax treated water maintains the mineral content of your water and is safe to drink.

### **Chloroshield® Clearess® -- A Puronics® Exclusive**

Chloroshield® Clearess® media combines a fine pore structure and uses Chlorostatic® technology for effective reduction of chlorine and chloramine.

This system is designed for use with municipal water or private well water that has been disinfected with chlorine or chloramine. Clearess Chlorostatic Media will reduce chloramine/chlorine taste and odor for approximately 2,000,000 gallons of municipal water at normal service flow rates at .5 - 1 ppm of chlorine. Normal residential chlorine or chloramine level is .5 to 1 ppm. Higher levels of chlorine or chloramine may reduce the life of the media. Any private well application without chlorine or chloramine should use the version of this system without Clearess.

Contaminants or other substances which can be removed by the Puronics® GOODSPRING PCS/WCS system are not necessarily in your water. Operational maintenance and replacement requirements are essential for the product to perform as advertised. Actual savings achieved are dependent on your particular spending habits and usage levels

**Directions For Use**

For use on cold water only.

**SPECIFICATIONS**

Temperature	40°-110°F	
pH	6.5-8.5	
Ferrous Iron, Max *	0.3 ppm	
Manganese, Max *	0.05 ppm	
Copper, Max *	1.3 ppm	
Water Pressure (psi)	15 psi min, 100 psi max	
Max. Service Flow (gpm)	20 (10")	30 (13")

\*--Note: Iron, Manganese, and Copper: ScaleMax needs to be protected from excess levels of iron, manganese and copper as they can easily coat the active surface and decrease its effectiveness. Public water supplies rarely present a problem but if the water supply is from a private well, confirm that the levels of iron (Fe), manganese (Mn) and copper (Cu) are less than 0.3 ppm, 0.05 ppm, and 1.3 ppm respectively.

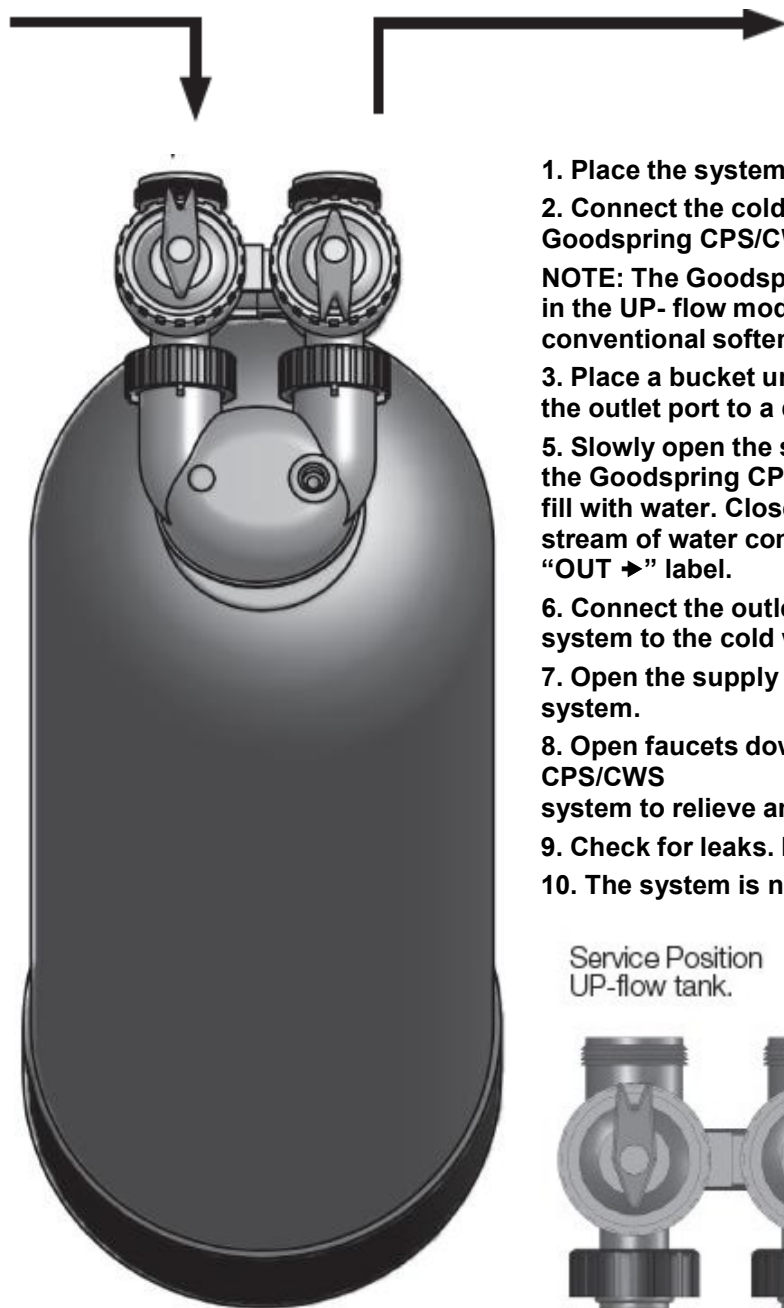
## GOODSPRING™ CPS/CWS Special Features

### Directions For Use

For use on cold water only.

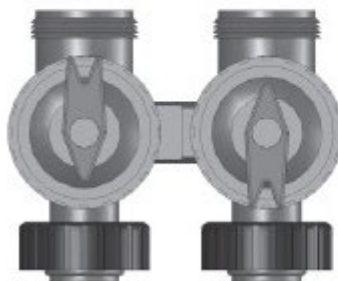
Raw Water In

Treated Water Out

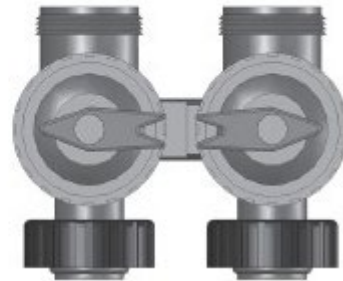


1. Place the system in the desired location.
2. Connect the cold water supply to the inlet of the Goodspring CPS/CWS with "IN →" label.  
**NOTE:** The Goodspring CPS/CWS system operates in the UP-flow mode which is opposite of a conventional softener.
3. Place a bucket under the outlet port or run a line from the outlet port to a drain.
5. Slowly open the supply valve (user supplied) to the Goodspring CPS/CWS system. Allow the tank to fill with water. Close the supply valve when a steady stream of water comes out of the outlet port with "OUT →" label.
6. Connect the outlet of the Goodspring CPS/CWS system to the cold water supply of the building.
7. Open the supply valve to the Goodspring CPS/CWS system.
8. Open faucets downstream from the Goodspring CPS/CWS system to relieve any air.
9. Check for leaks. Repair as needed.
10. The system is now ready for service.

Service Position  
UP-flow tank.



Bypass Position  
UP-flow tank.



## INSTALLATION INSTRUCTIONS FOR THE Model GOODSPRING™ CPS/CWS

All water conditioners should be installed in accordance with applicable state and local plumbing codes.

These instructions supplement and do not supersede local codes.

Please read & understand the installation instruction completely before installing the water filter system.

The entire water filter has been factory tested to ensure proper performance and the customer's satisfaction.

### UNPACKING

This water conditioner has been shipped complete in one carton. This container has been carefully designed to assure the customer of satisfactory arrival at the destination.

The carton contains the water conditioner tank which is preloaded with media. The carton also contains the homeowner's manual, bypass valve, connection adapters, and warranty card. Care should be executed in unpacking to prevent accidental loss of these components.

Attach the bypass to the valve. Make sure you have moved the bypass levers so that the indicators point across the direction of flow.

### INSTALLATION

Select a location that is convenient for servicing.

Turn main water supply off. Drain plumbing system by opening a cold water faucet as low as possible in the house and one as high as possible.

The connection point for the plumbing to the water conditioner should be in the main water line after any installed check valves and/or pressure regulators. The installation should also be cut in after any backflow prevention devices or sprinkler/irrigation systems. The cut-in must be before any Tee's in the main plumbing line that feeds any fixtures in the house.

Cut the main supply line and remove approximately 6 inches of existing plumbing. If existing plumbing is galvanized pipe, you will have to cut the pipe and thread or remove a section of pipe and replace with copper tubing or any code approved plumbing product.

Run the plumbing from the main shut off side or "street side" of the cut that was made in the plumbing to the inlet opening in the bypass valve marked "UPFLOW INLET" or with the "IN ➔" label.



Use caution in soldering so that excessive heat is not applied in the vicinity of the valve for any extended time. Use wet towels or rags to conduct heat from the valve. The unit comes with two PVC adapters and plastic nuts with washers for the by-pass; additional adaptors are available by request for PVC and CPVC installations.

Run the outlet plumbing from the opening in the bypass valve marked "DOWNFLOW INLET" or with the "OUT ➔" label to the return or "house" side of the cut that was made in the main plumbing.

Puronic recommends not reducing the size of the existing plumbing. If main service line is 3/4" then the system should be installed in 3/4" copper tubing or pipe.

When the connections are fully completed verify that the bypass handles are in the bypass position. Turn main water supply on. Check for leaks. Shut off the lower faucet that was turned on earlier and then turn off the upper faucet. Re-check to make sure there are no leaks in the plumbing.

### SYSTEM START-UP (FLUSHING )

Open a utility sink, bath tub, or any faucet without an aerator. With the faucet running rotate the bypass handles until indicator points to service position to fill, expel air, and rinse out the system.

THIS IS A MUST.

### LET THE WATER RUN FROM THE FAUCET FOR A FULL TEN (10) MINUTES

Run all of the faucets in the house to clear all of the plumbing lines of air and water from the installation.

Fill out warranty card.

The installation is now complete

Double check the following items before leaving installation site:

- (1) Check plumbing for possible leaks.
- (2) Has warranty card been correctly and completely filled out?

This warranty card **MUST** be returned to validate your Factory Warranty.

- (3) Are bypass handles in service position?
- (4) Has air (caused by water being shut-off for installation) been released from all water lines in the house?

## Water System Limited Lifetime Warranty

**THE ATTACHED WARRANTY REGISTRATION CARD MUST BE FILLED OUT COMPLETELY AND RETURNED TO PURONICS WATER SYSTEMS, INC. AT THE ADDRESS WHICH APPEARS BELOW, WITHIN 30 DAYS FROM THE DATE OF INSTALLATION TO VALIDATE WARRANTY.**

Puronics Water Systems, Inc., 5775 Las Positas Road, Livermore, CA 94551, warrants to the original purchaser only that the Puronics Water System to which this warranty applies shall be free of defects in materials and workmanship from the date of purchase for the lifetime of the product.

### **IMPORTANT**

This warranty is a **LIMITED WARRANTY**. The obligations of Puronics Water Systems, Inc. hereunder and the original purchaser's sole remedy shall be limited to the repair or the replacement of the product or part only, at the sole option of Puronics Water Systems, Inc.. **TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, PURONICS WATER SYSTEMS, INC. AND ITS OFFICERS, DIRECTORS, EMPLOYEES, AGENTS, AFFILIATES, SUPPLIERS AND LICENSORS SHALL NOT BE LIABLE OR RESPONSIBLE UNDER ANY CIRCUMSTANCES OR IN ANY AMOUNT FOR ANY DAMAGES WHATSOEVER ARISING OUT OF THE USE OF THE PRODUCT, INCLUDING, WITHOUT LIMITATION, FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR FOR INJURY OR DAMAGES TO PERSONS OR PROPERTY USING OR USED IN CONNECTION WITH THE PRODUCT, OR FOR LOSS OF PROFITS OR OTHER COSTS OR EXPENSES OF ANY KIND OR CHARACTER. THIS LIMITATION WILL APPLY REGARDLESS OF THE FAILURE OF THE ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.** Labor charges incidental to the repair and/or replacement of parts other than factory repairs are expressly excluded from this warranty. Transportation costs incurred in the receipt and installation of replacement parts covered by this warranty shall be paid by the owner. This warranty shall not apply to any system which has been damaged by accident, fire, flood, act of God, abuse, neglect, freezing, unusual physical or electrical stress, misuse, or alteration, or installation or operation not in accordance with Puronics Water Systems, Inc. instructions and applicable plumbing codes and ordinances. The Puronics Water System is subject to normal wear and tear during its usable service life. Wear and tear is not regarded as a defect and is not covered by this warranty. Cosmetic damage is not regarded as a defect and is not covered by this warranty. This warranty covers the original product only and does not cover replacement filters or media. This warranty must be presented at time of claim, and all claims must be presented within 30 days of occurrence.

**FOR RESIDENTIAL USE ONLY. THERE ARE NO WARRANTIES OR REPRESENTATIONS BY PURONICS WATER SYSTEMS, INC. OTHER THAN AS SET FORTH ABOVE, EITHER EXPRESSED OR IMPLIED, AND NO PERSON, FIRM, OR CORPORATION IS AUTHORIZED TO MAKE ANY REPRESENTATION OR INCUR ANY OBLIGATION IN THE NAME OF OR ON BEHALF OF PURONICS WATER SYSTEMS, INC. EXCEPT AS STATED ABOVE. ANY OTHER WARRANTIES OR GUARANTEES, ORAL OR WRITTEN, EXPRESSED OR IMPLIED, ARE NOT RECOGNIZED.**