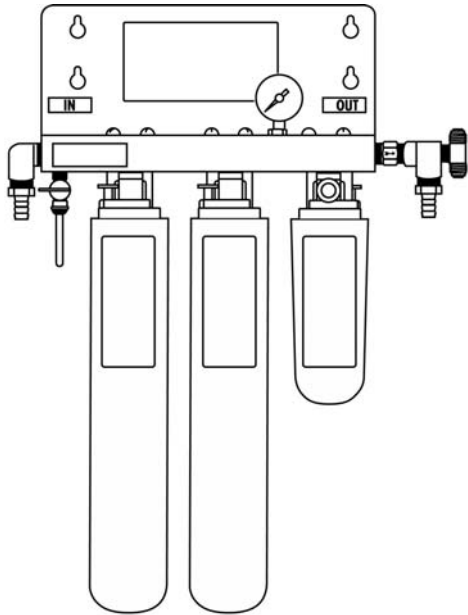
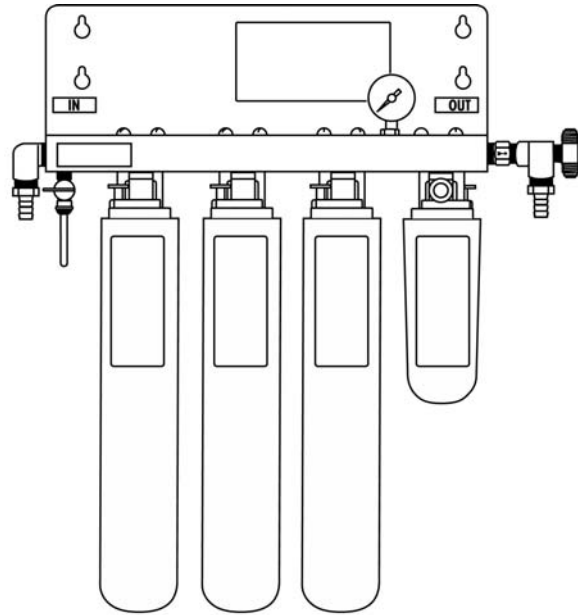


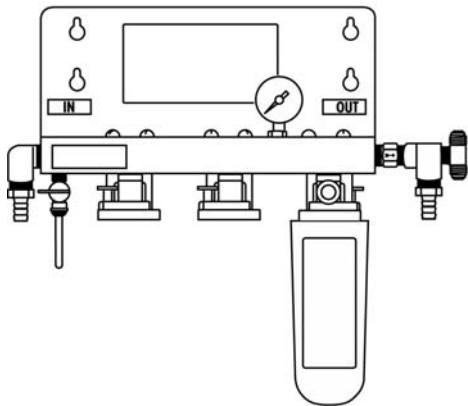
# ***CUNO® Food Service Installation and Operating Instructions For CUNO® System ONE® Manifold Systems - Model DP Series***



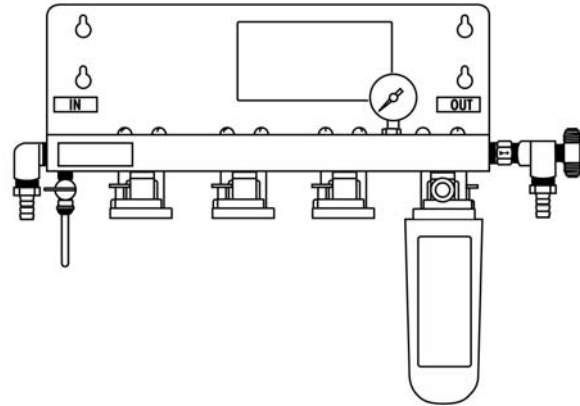
**DP-2 Series**



**DP-3 Series**



**DP-2 Manifold**



**DP-3 Manifold**

Your new Model DP water filtration system will filter the incoming water to reduce dirt and particulate matter. Chlorine will be reduced in the water so as not to adversely affect the taste of carbonated and non-carbonated beverages, coffee and ice. A foodgrade scale and corrosion inhibitor is automatically fed into the water to inhibit the formation of scale in ice machines and coffee makers.

### **Installation Precautions**

- The filter system **must** be installed with the inlet and outlet as labeled. Make sure not to reverse the connections.
- **Do not** install on the hot water line. Maximum temperature allowed is 100°F (38°C).
- **Do not** install on line pressure above 125 psi (862 kPa).
- **Do not** use a torch or other high temperature sources near the filter or plastic cartridge.
- **Do not** install near electric wires or water pipes which will be in the path of the drill when selecting the position to mount the bracket.
- **Do not** install in direct sunlight.
- The filter system may be used with metal or non-metallic piping systems. Any non-metallic fittings used in the installation must be of adequate rating for the line pressure.
- Protect from freezing. Drain the filter when room temperature drops below 40°F (4.4°C).
- Allow minimum of 2.0" (5.0 cm) clear space under the filter to facilitate cartridge changes.
- Mount the filter in such a position as to prevent it from being struck by other items.
- Installation must comply with existing state & local plumbing codes.

**Note:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

**Note:** Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

### **Procedure for Installation**

The Model DP system comes with 1/2" O.D. barbed fittings on the inlet and post-mix outlet. The ice and coffee outlet comes with a 3/8" flared tee.

**Note:** It is recommended that a shut-off valve be installed on the incoming water line prior to the system, if a prefilter with internal shut-off valve is not installed.

### **System Assembly**

1. Shut off the incoming cold water line.
2. Mount the manifold system to a wall or support structure using the mounting holes provided on bracket.
3. Connect the incoming cold water line to the manifold's inlet water connection.
4. Connect the outlet port for the post-mix system to the post-mix line.
5. Connect the 3/8" flared tee to the lines for the ice maker and coffee machine

### **Cartridge Installation (Taste/Odor Cartridges, CFS8000-SK)**

*Refer to the schematic on page 3 for proper cartridge locations.*

**NOTE:** The DP-2 and DP-3 manifolds come standard with the CFS8000-SK cartridge only. Taste/Odor or taste/odor/cyst cartridges must be ordered separately. Refer to current CUNO Food Service price list for cartridge options.

**NOTE:** The CFS8000-SK scale inhibitor cartridge has a keyed cover and will only fit in the last head on the manifold.

1. Align the tabs of the filter cartridge with the head and insert the cartridge into the head.
2. Turn the cartridge to the right until a clicking sound is heard. This indicates that the cartridge is properly engaged.
3. Repeat for the remaining cartridges.

### **Equipment Start-Up Procedure**

1. Turn on incoming water to the system.
2. Insert the plastic tubing provided into the flush valve to direct the water to the drain.
3. Open the flush valve to remove entrapped air or carbon fines.
4. Close the flush valve. Check for leaks. Set the red follower needle on the gauge. The system is now ready for service.

**Note:** To set the red follower needle, place it to the left of the black needle after the system is pressurized. As pressure decreases over time, the red needle will gradually move toward the red zone. Change cartridges if needle remains in red zone or when system pressure drops 20 psi (138 kPa).

### ***Recommended Cartridge Change-out Indicators***

The system cartridges will need to be changed when low pressure is observed at the manifold gauge. This is indicated in one of the following ways:

- Loss of flow.
- Coffee and ice machines improperly fill.
- Line pressure downstream of filter system drops to 20 psi (138 kPa) or below during normal operation.
- Red follower needle is in red zone.

### ***Replacement Cartridge Instructions***

It is recommended that the cartridges be replaced every 4-6 months, depending on local water quality, or if system pressure drops 20 psi (138 kPa) during normal operation.

### ***System Cartridge Changeout***

1. Shut off incoming water supply.
2. Install plastic tubing provided into the flush valve manifold. Direct tubing to drain.
3. Open flush valve to depressurize system. Check that gauge reads zero.

### ***For Taste/Odor Cartridges:***

4. Lift red knob on the filter head upward and hold.
5. While holding the red knob up, turn cartridge to the left while grasping cartridge securely. Pull the cartridge straight down and discard.

**Note:** There is a small amount of residual water drainage after pressure is relieved and during cartridge removal.

6. Align tabs of new cartridge with the head and insert new cartridge into head. Turn cartridge to the right until a clicking sound is heard. This indicates that the cartridge is properly engaged. Flush for two minutes.

7. Repeat steps 4-6 for remaining taste/odor cartridges.

### ***For the Scale Inhibition Cartridge (CFS8000-SK):***

**Note:** The CFS8000-SK scale inhibitor cartridge has a keyed cover and will only fit in the last head on the manifold.

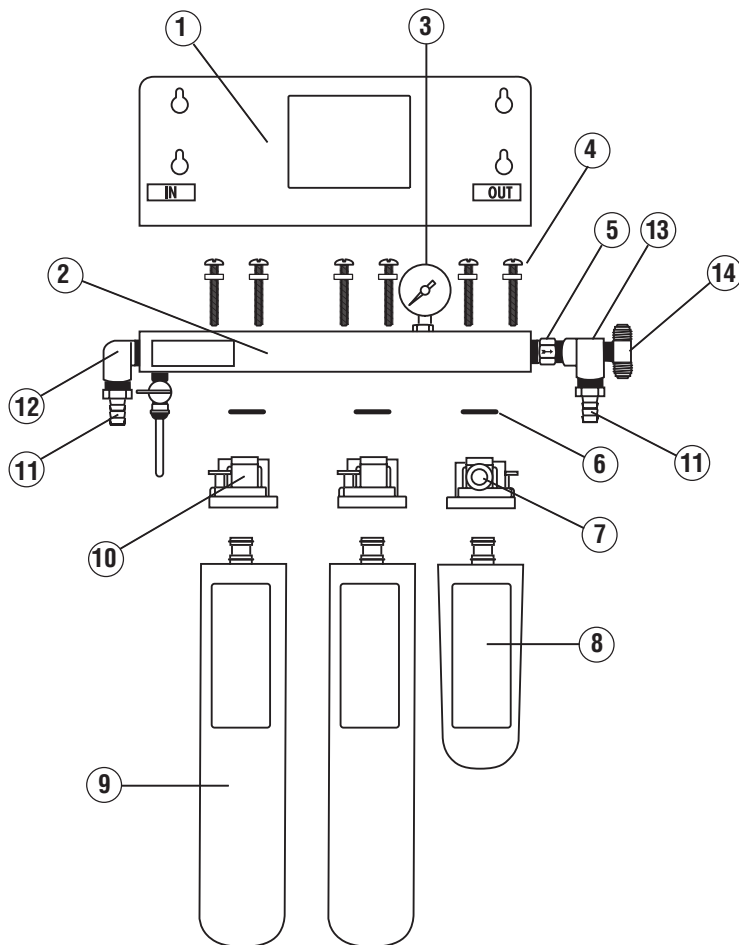
8. Lift red knob on the filter head upward and hold.
9. While holding the red knob up, turn the cartridge to the left while grasping securely. Pull the cartridge straight down and discard.

**Note:** There is a small amount of residual drainage after the pressure is relieved and during cartridge removal.

10. Align tabs of new cartridge with the head and insert new cartridge into head. Turn cartridge counter-clockwise until a clicking sound is heard. This indicates that the cartridge is properly engaged.

11. Turn on incoming water supply. Open flush valve to remove any trapped air and carbon fines (flush for a maximum of 5 minutes). Set red follower needle on gauge. The system is now ready for service.

## DP-2 Series

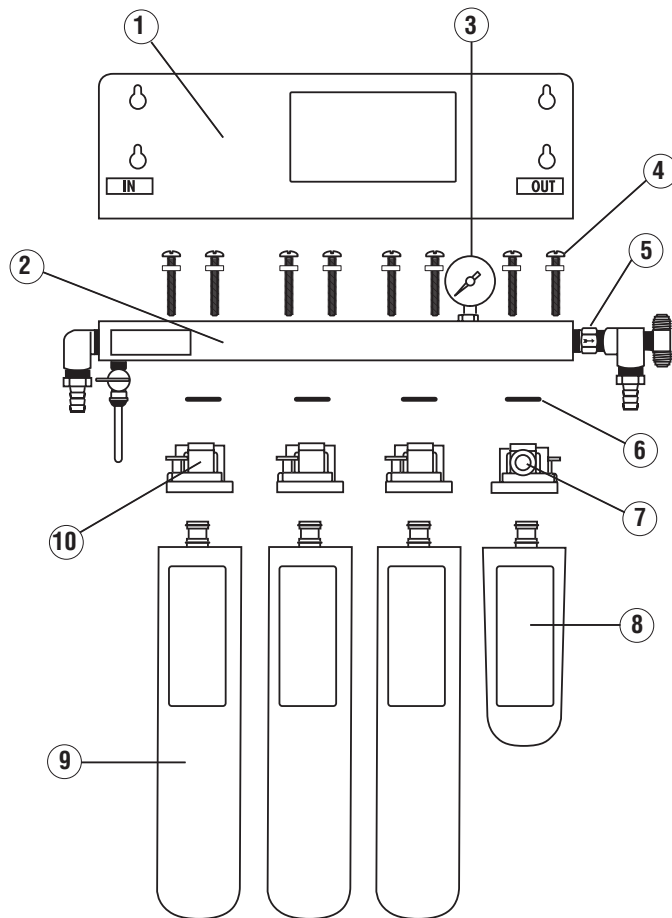


Item #	Description	Part#
1	Bracket	62030-32
2	Manifold	62047-31
3	Gauge	85005-47
4	Screw	69733-33
5	Check Valve	68469-32
6	O-Ring	63597-225
7	570 Head Assy, Keyed	68871-02
8	CFS8000-SK Cartridge	See price list
9	Taste/Odor Cartridge	See price list
10	570 Head Assy	68375-03
11	Hose Barb	66184-31
12	Elbow - Street	36697-51
13	Elbow	68967-31
14	Tee, 3/8" Tube	64058-39

## TROUBLESHOOTING GUIDE

Coffee brewer makes short pots or ice machine improperly fills.	Low incoming water pressure Filters clogged	Check source See Replacement Cartridge Instructions page 2
No water flow through the system	Inlet valve closed	Check inlet valve position
Not enough water to post mix system	Low incoming pressure Filters clogged	Check source See replacement Cartridge Instructions page 2
Short Life	Temporarily dirty water	Check pressure gauge.

## DP-3 Series



Item #	Description	Part#
1	Bracket	62030-31
2	Manifold	62029-32
3	Gauge	85005-47
4	Screw	69733-33
5	Check Valve	68469-32
6	O-Ring	63597-225
7	570 Head Assy, Keyed	68871-02
8	CFS8000-SK Cartridge	See price list
9	Taste/Odor Cartridge	See price list
10	570 Head Assy	68375-03

## TROUBLESHOOTING GUIDE

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Not enough water to post mix system	Low incoming pressure Filters clogged	Check source See replacement Cartridge Instructions page 2
Short Life	Temporarily dirty water	Check pressure gauge.

### LIMITED TWO-YEAR WARRANTY

CUNO Incorporated warrants to the original purchaser-consumer of its Product that it is free of defects in materials and workmanship. Any defect, malfunction, or other failure of the product to conform to this Warranty will be remedied by CUNO in the manner provided below.

This Warranty, together with any or all warranties implied by law, shall be limited to a duration of two (2) years from the date of original purchase by the consumer. This Warranty does not apply to defects that result from abuse, misuse, alteration or damage not caused by CUNO.

**IMPORTANT:** To file a claim under this Warranty, you must complete and mail the Warranty registration card supplied with this Product to CUNO at the address below within ten (10) days of the original retail purchase.

THIS WARRANTY DOES NOT COVER, AND IS INTENDED TO EXCLUDE, ANY LIABILITY ON THE PART OF CUNO, WHETHER UNDER THIS WARRANTY OR UNDER ANY WARRANTY IMPLIED BY LAW, FOR ANY INDIRECT OR CONSEQUENTIAL DAMAGES FOR BREACH HEREOF OR THEREOF.

**Note:** Some states prohibit limitations on the duration of implied warranties and on the exclusion of indirect or consequential damages; and so the above limitation on implied warranties and on incidental and consequential damages may not be applicable to you.

### RESPONSIBILITY OF CUNO:

CUNO'S responsibility under this warranty shall be to repair at its expense, at no charge to the original purchaser-consumer, any Product that is actually defective, malfunctioning, or otherwise in violation of this Warranty.

If CUNO for any reason cannot repair a Product covered hereby within two (2) weeks after receipt of the original purchaser-consumer's notification of a Warranty claim, then CUNO's responsibility shall be, at its option, either to replace the defective Product with a comparable new

unit at no charge to the consumer or to refund the full purchase price. CUNO's obligation to repair, replace or refund are conditioned on the consumer's return of the defective Product to CUNO.

If any Product covered hereby is actually defective within the terms of this Warranty then CUNO will bear all the reasonable and proper shipping or mailing charges actually incurred in the consumer's return of the Product as set forth herein. If the Product proves not to be defective within the terms of this Warranty then all costs and expenses in connection with processing the consumer's claim hereunder shall be borne by the consumer.

### RESPONSIBILITY OF THE CONSUMER:

The original purchaser-consumer's sole responsibility in the instance of a Warranty claim shall be to notify CUNO of the defect, malfunction, or other manner in which the terms of this Warranty are violated. You may secure performance of obligations hereunder by (in writing)

1. Identify the Product involved (by model or serial number or other sufficient description that will allow CUNO to determine which Product is defective).
2. Specify where, when and from whom the Product was purchased.
3. Describe the nature of the defect, malfunction, or other violation of this Warranty
4. Send such notification together with the defective Product to:

**CUNO Incorporated, 400 Research Parkway, Meriden, CT 06450, U.S.A.**

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.



**CUNO Incorporated**

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