



CENTURION INSTALLER MANUAL

**CENTURION WHOLE-HOUSE WATER FILTRATION
& CONDITIONING SYSTEM**

INSTALLER MANUAL



Brand
Centurion Water Systems
Professional Grade Whole House Filtration & Conditioning

Dear Customer,

It is our pleasure to bring to you the most advanced filtration technology available. We hope that it exceeds your expectations and meets all of your filtration needs.

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1. OVERVIEW

This manual provides professional installers with step-by-step instructions for the installation and programming of **Centurion** whole house water filtration and conditioning systems.

The **Centurion Water System** is designed for long term performance with no routine maintenance and automatically performs a weekly regeneration cycle lasting ten minutes.

Each unit ships fully assembled, with filtration media preloaded and the control valve factory installed.

2. SYSTEM SPECIFICATIONS

- Operating Pressure Range: **25–80 psi**
- Recommended Operating Pressure: **60 psi**
- Electrical Requirement: **120V, grounded, non-switched outlet**
- Regeneration Cycle: **Automatic, weekly**
- Drain Connection: **3/4-inch threaded fitting**

3. PRE-INSTALLATION REQUIREMENTS

- Install the system in a **dry, level, protected, and non-freezing location** (garage or laundry room recommended).
- In moderate climates, outdoor installation is permitted. The unit may be buried provided a **minimum 6-inch clearance below the control valve** is maintained.
- Follow all **local plumbing, electrical, and building codes**.
- Ensure adequate access for service and programming.

Power Supply:

- Standard 120V grounded outlet required (non-switched).
- Control valve includes a **15-foot power cord**.
- Extension cords may be used only if permitted by local code.

Drain Line:

- Use a 3/4-inch PVC fitting.
- Drain line is pressurized and may run slightly uphill if required.

4. SYSTEM INSTALLATION

Included Components:

- Bypass assemblies
- Brass adapters
- Plastic fittings

Leave the following with the homeowner after installation:

- Centurion Warranty
- Valve Installation & Operation Manual
- Centurion Water Tips Brochure



Reference #1

Installation Steps:

1. Shut off the main water supply and drain the main line.
2. Cut and remove a section of the main incoming water line.
3. Install the system to treat all household water (hot and cold).
4. If a pressure regulator is present, install the Centurion unit downstream of the regulator.

5. Install a ball valve and hose bib on the outlet side of the unit.
6. Solder adapters to the inlet and outlet piping.

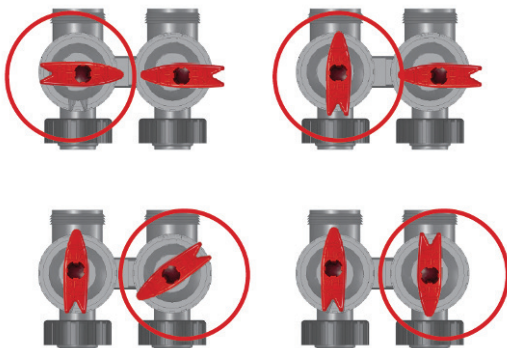
IMPORTANT: When viewing the rear of the control valve, the inlet water line must enter the **LEFT** side of the bypass valve assembly. Refer to the flow-direction arrow on the valve.



Reference #2

5. CHARGING THE SYSTEMN

1. Leave the bypass valve in the **Bypass** position.



Reference #3

2. Turn on the main water supply.
3. Close the outlet ball valve.
4. Open the inlet side of the bypass valve to allow the tank to fill (approximately 5 minutes).
5. Slowly open the outlet side of the bypass valve halfway and check for leaks.
6. Fully open the outlet side once leak-free.
7. Open the hose bib and flush water for **10 minutes** or until clear.
8. Close the hose bib.
9. Manually initiate regeneration by pressing the **Up and Down arrows simultaneously**.
10. Allow regeneration to complete (approximately 10 minutes).
11. Repeat flushing and regeneration **one additional time**.

6. PROGRAMMING GUIDE

Set Time of Day

- Press and hold Set for 5 seconds.
- Use ▲/▼ to select the current hour./
- Press Set to adjust minutes.

Set Regeneration Time

- Hold Set + ▲/▼ for 3 seconds until the display flashes.
- Select a time with minimal water usage.
- Press Set to confirm.

Days Between Regeneration (Recommended)

- 1 person: 11 days
- 2–3 persons: 9 days
- 4+ persons: 7 days

Verify Regeneration Cycle

- Confirm P7 is selected.
- Confirm 99 days is displayed (not 7).
- Return to the main screen.



7. ERROR CODES & TROUBLESHOOTING

E1 / E2 Error Codes

- Press and hold Set and the button(s) until the gear recenters.
- Release once movement is heard.

Motor Not Moving

- Disconnect and reseal the motor.
- Ensure proper alignment.

8. POST-INSTALLATION CHECKLIST

- ☐ Two manual regeneration cycles completed
- ☐ All fixtures flushed for 2 minutes
- ☐ No visible leaks
- ☐ Programming verified
- ☐ Homeowner materials provided

9. IMPORTANT INSTALLER NOTES

- Failure to perform manual regenerations will result in cloudy or gray water.
 - Carbon residue must be flushed from all fixtures.
 - Customer complaints are typically caused by incomplete startup procedures.
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CENTURION WATER SYSTEMS

Professional Installation • Reliable Performance • Long-Term Protection



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