

Start-Up Instructions Series 960 Water Softener

Start-Up

To begin, place the bypass in the position shown in Figure 1.

Place the softener in the Backwash cycle.

To place the softener in the Backwash cycle press and hold the REGEN button (approx. 6 seconds) until the control valve initiates a regeneration cycle. The softener is now in the Backwash cycle. An initial burst of air will be released to the drain. Leave the unit in the Backwash cycle until the water running to the drain runs clear.

Press the REGEN button to advance the controller to the next cycle. The softener is now in the Brine/Slow Rinse cycle.

When the timer begins countdown press the REGEN button to advance the controller to the next cycle. The softener is now in the 2nd Backwash cycle.

When the timer begins countdown press the REGEN button to advance the controller to the next cycle. The softener is now in the Fast Rinse cycle. Leave the unit in the Fast Rinse cycle for at least five minutes.

While the system is in the Fast Rinse Cycle, manually fill the brine tank with fresh water until there is approximately 2" of water above the false bottom.

Press the REGEN button to advance the controller to the next cycle. The softener is now in the Brine Tank Fill cycle. Leave the unit in the Brine Tank Fill cycle for at least one minute. This will ensure that there is no air trapped in the brine tubing and valve.



IMPORTANT:

After the unit has filled for approximately 1 minute, raise the float to shut off the flow of water and then check the float valve, brine tubing and connections for leaks.

Press the REGEN button to advance the controller to the home position.

Salt may be placed in the unit at this time.

To complete the Start-up procedure place bypass in the position shown in Figure 2

Figure 1

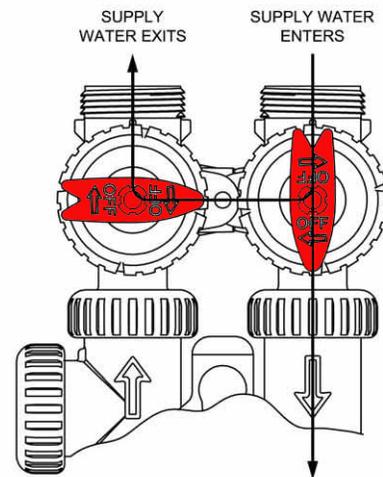
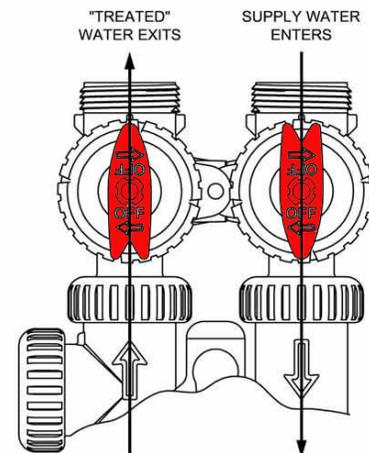


Figure 2



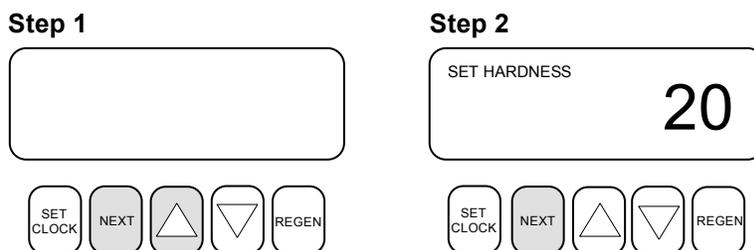
Control Valve Programming

Programming

The control valve has been pre-programmed from the factory with the correct regeneration cycle program and cycle times. The gallon capacity between regeneration can be changed by adjusting the water hardness.

Step 1 - Press the **NEXT** and the **UP** Arrow buttons at the same time and hold for 2 seconds.

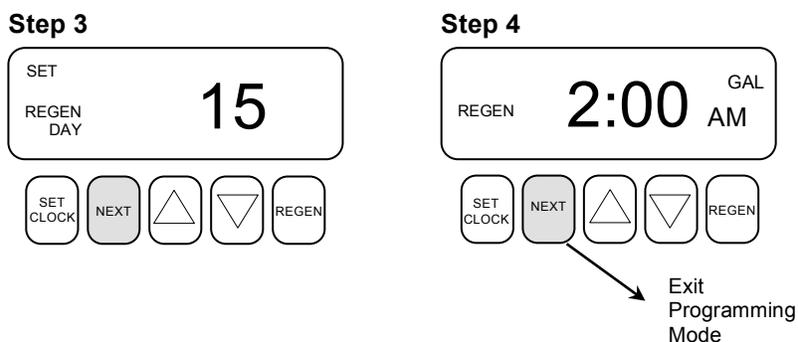
Step 2 - Raw Water Hardness: Adjust to the correct hardness by pressing the **UP** or **DOWN** arrow button. Default setting 20 grains per gallon. Press **NEXT** to go to Step 3.



Step 3 - Day Override: This setting should be set to **15**. Press **NEXT** to go to Step 4.

Step 4 - Regeneration Time: The system regenerates at **2:00 AM**. This setting is adjustable. No water should be used during regeneration. (Typically this is the middle of the night.)

Press **NEXT** to exit programming.



Control Valve Programming

Set the Time of Day

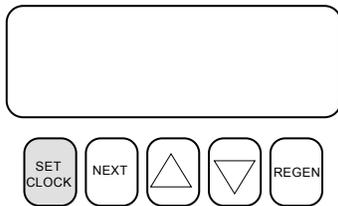
The time of day should only need to be set after initial installation or after an extended power outage. If an extended power outage has occurred, the time of day will flash indicating that it needs to be set.

Step 1 - Press **SET CLOCK**

Step 2 - **Current Time of Day - Hours:** Adjust to the correct hour by pressing the **UP** or **DOWN** arrow button. Press **NEXT** to go to Step 3.

Step 3 - **Current Time of Day - Minutes:** Adjust to the correct minutes by pressing the up or down arrow button. Press **NEXT** to return to the normal operating screen.

Step 1



Step 2



Step 3



Exit
Programming
Mode

Normal Operating Screens

During normal operation one of three screens can be displayed. Pressing the **NEXT** button alternates between these screens.

Screen 1 - Current Time of Day

Screen 2 - Capacity Remaining in Gallons

Screen 1



Screen 2

