

# Model 2510D Chem Free Manual Insert

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## Special Installation Notes:

1. Make sure the **feed water has a pH of 7 or above**. If less than 7, pH correction is necessary, especially for iron filtration systems.
2. The drain line on the Chem Free system **must be secure** at all points along the length of the drain run. The drain line will jolt when the air is released during the cycle. You must test the drain line security before leaving any installation site.
3. If there are any bypassed lines before the filter, a 1" or 3/4" **SPRING** type check valve must be installed on the inlet line before the filter.
4. It is recommended that a test port be installed near the outlet of the filter for testing.

## Put Unit into Service:

1. Make sure the regeneration knob is in the "Service" position. (*see page 16* )
2. Plug the power cord into an appropriate receptacle (one that is always "hot" - not operated by a switch).
3. Set to current time. (*see page 16* )
4. The gallon wheel is preset, no adjustment is needed.
5. Water should be turned on to the Chem Free system while in the timer is in the service position by moving the bypass into the "service" position. When in service, the bypass handle is pointing away from the control valve and towards the wall behind the filter. Do not initiate a "Regen" cycle before turning water on to the system. Water will fill the unit, and trap a head of air in the top of the tank. This initial head of air will be used to check the drain connection.
6. Once water has filled the tank, and is no longer flowing into the tank, you can test the drain connection. Review both connection points of the drain line, and all fasteners over the length of the drain line. Make sure that every part of the drain line is secure.
7. Once drain line security has been verified, you can initiate the first cycle. This will allow you to check the drain line to make sure that it is sending water to the drain, and that it is stable. Turn the manual regeneration knob slowly clockwise until the program micro switch lifts on top of the first set of pins. (*see page 5* ) This will move the control to the back wash cycle. Immediately check the drain line for secure positioning, and leaks. If the drain line is functioning properly, let the system complete the backwash cycle.
8. The control valve will automatically advance to the air draw cycle after backwashing for the appropriate amount of time. You must let the system complete the air draw cycle, which will be 30 – 40 minutes.
9. Once the air draw cycle has been completed, slowly rotate the regen knob to the next cycle, stopping once the regen motor engages. When the motor stops running, turn the knob again to advance to the next position. Once the motor stops running, turn once more to the last set of pins. The filter is now in the "service" position.
10. With the Chem Free system placed in service you need to rinse the system down. Turn on a cold water line in the facility. Let the water run until it is clear.
11. If there is a softener installed, make sure the filter regeneration time is set at least 1 1/2 hours before the softener regeneration time.