

Sentry Chlorinator: Installation Instructions Addendum

Please follow the manufacture's instructions for installation. This addendum is to aid you in determining the chlorine demand and pellet drop interval. It also contains instructions for checking the operation of the chlorinator.

1. First determine the pumping rate of the well pump by using the average flow method.
2. Determine the chlorine demand. Use the table found below and the water test results to help.

Chlorine Demand:

1. ____ mg / L Fe	X	1 = ____ ppm
2. ____ mg / L Mn	X	2 = ____ ppm
3. ____ mg / L H ₂ S	X	4 = ____ ppm
4. Residual		3 ppm

5. Add the answers for 1, 2, 3, and 4 to find the total demand.

3. Determine the time between each pellet drop:
180 , ____ ppm (chlorine demand) , ____ gal / min (pumping rate) = ____ min(s) (time between pellet drops)
4. Go to chlorinator table that shows time between drops and choose from hole pattern (A - L). The pattern that is chosen should have a time interval that is as close as possible to that calculated in step 3 without being greater.
5. Punch out the plugs in the pellet gear to match those of the pattern you chose in step 4. Store the punched out plugs in the outer compartments of the middle plate.
6. Shock the well by dropping a few tablets down the drop tube. Make sure you hear the tablets hit the water. If they don't, you must determine why and, after correcting the problem, recheck by dropping more tablets. A total of 15 to 25 tablets should be dropped in order to properly shock the well.
7. Assemble chlorinator with a fresh bottle of tabs making sure the idler gear is in the correct location and that the pellet gear moves freely.
8. When you turn the bottle and disk assembly over, make sure the chlorine pellet dust does not get on you or the assembly on the well. The dust is very **corrosive** and should be removed from anything it gets on.
9. Manually turning the pellet disk to get a pellet close to its drop position and then place the middle plate on the chlorinator.
10. If the middle plate does not settle onto the bottom plate because the gears do not line up, turn the disk slightly and try again. You may want to try running the water to start the pump and let the Sentry motor gear turn and line up.
11. Run the water until the pump comes on. Listen to make sure the chlorinator is turning and that a pellet drops. Show customer how to change tablets and check for chlorine.

Materials for Sentry Chlorinator Installation

1. Chlorinator of the correct voltage
2. Wire kit
3. Bottle of chlorine tabs for chlorinator
4. 3/4" cpvc drop tube.
5. 1³/₈ " Hole saw for well cap (check size with Sentry instructions)

Notes:

