

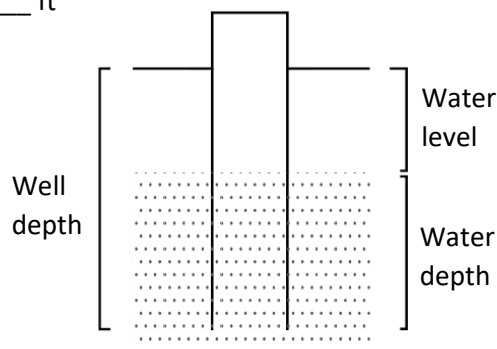
How to Calculate Chlorine Dosage for Shock Chlorination

Step 1

Find the water depth in the well using the following calculation:

$$\underline{\hspace{2cm}} \text{ ft} - \underline{\hspace{2cm}} \text{ ft} = \underline{\hspace{2cm}} \text{ ft}$$

Well depth Water level Water depth



Step 2

Find the number of 10-foot intervals of water in the well

$$\underline{\hspace{2cm}} \text{ ft} \div 10 = \underline{\hspace{2cm}}$$

Water depth # of intervals

Step 3

Find the dosage using the chart below based on the diameter of the well and type of chlorine

Diameter of Well Pipe (inches)	6% Sodium Hypochlorite	12.5% Sodium Hypochlorite	65% Calcium Hypochlorite Tablets	65% Calcium Hypochlorite Powder
2	0.05 cup (2.5 tsp)	0.02 cup (1 tsp)	0.25	0.01 cup (0.5 tsp)
3	0.125 cup (2 Tbsp)	0.06 cup (1 Tbsp)	0.5	0.015 cup (0.75 tsp)
4	0.25 cup	0.12 cup (2 Tbsp)	1	0.025 cup (1.25 tsp)
5	0.33 cup	0.16 cup (8 tsp)	1.25	0.04 cup (2 tsp)
6	0.5 cup	0.25 cup	1.75	0.06 cup (1 Tbsp)
8	1 cup	0.5 cup	3.25	0.09 cup (1.5 Tbsp)
10	1.25 cup	0.6 cup	5	0.12 cup (2 Tbsp)
12	2 cups	1 cup	8	0.18 cup (3 Tbsp)
18	4 cups	2 cups	16	0.5 cup
24	0.5 gallon	4 cups	30	1 cup
36	1 gallon	0.5 gallon	65	2 cup
48	2 gallons	1 gallon	116	3.5 cup

Step 4

Calculate the amount of chlorine to use

$$\underline{\hspace{2cm}} \text{ # of intervals} \times \underline{\hspace{2cm}} \text{ cups Dosage from chart} = \underline{\hspace{2cm}} \text{ cups Amount of chlorine}$$

This provides a chlorine concentration of about 100 ppm.