

HOW TO DISINFECT A DRILLED WELL

Flooded Wells

Prior to initiating the following disinfection procedure, completely flush the well to clear it of excessive contamination. After the well has naturally recharged proceed with the disinfection in accordance with these instructions, and then collect the water sample.

To Disinfect a Drilled Well

Diameter of Well (In inches)	Gallons (Per foot)
3	.37
4	.65
5	1.00
6	1.50
8	2.60
10	4.10
12	6.00

Amount of Disinfectant Required for Each 100 Gallons of Water

Laundry Bleach (5.25% Chlorine) 3 Cups*

Hypochlorite Granules (70% Chlorine) 2 Ounces**

*1 Cup = 8-ounce measuring cup

** 1 Ounce - 2 heaping tablespoons of granules

1. Using the above table, determine the amount of water in the well by multiplying the number of gallons per foot by the number of feet in the depth of the well.

Example: A well with a 6-inch diameter contains 1.5 gallons of water per foot. If the well is 120 feet deep, multiply 1.5 by 120 to determine the number of gallons of water in the well ($1.5 \times 120 = 180$).

2. For each 100 gallons of water in the well, use the amount of chlorine (liquid or granules) indicated in the table shown above.

Example: For each 100 gallons of water x 2 ounces chlorine granules (per 100 gallons of water) = 3.6 ounces of granules (use 4 ounces).

Mix this total amount of liquid or granules in about 10 gallons of water. If dry granules or tablets are used, they should be completely dissolved before being added to the well.

3. Pour ten gallons of solution into the top of the well before the seal is installed.

4. Connect a hose from a faucet on the discharge side of the pressure tank to the top of the well casing, and start the pump. Spray the water back into the well and wash the sides of the casing for at least 15 minutes.

5. Open every faucet in the system and let the water run until the smell of chlorine can be detected. Then close all the faucets and seal the top of the well.

6. Let stand for several hours, preferably overnight.

7. After you have let it stand, operate the pump, discharging water from all outlets (turning on all faucets) until all odor of chlorine disappears. Faucets or fixtures which discharge into septic tank systems should be throttled to a low flow to avoid overloading the disposal system.