

# Well Safe

## Sanitize Wells, Pumps, and Storage Tanks

### Well Sanitizer Kit



#### When...

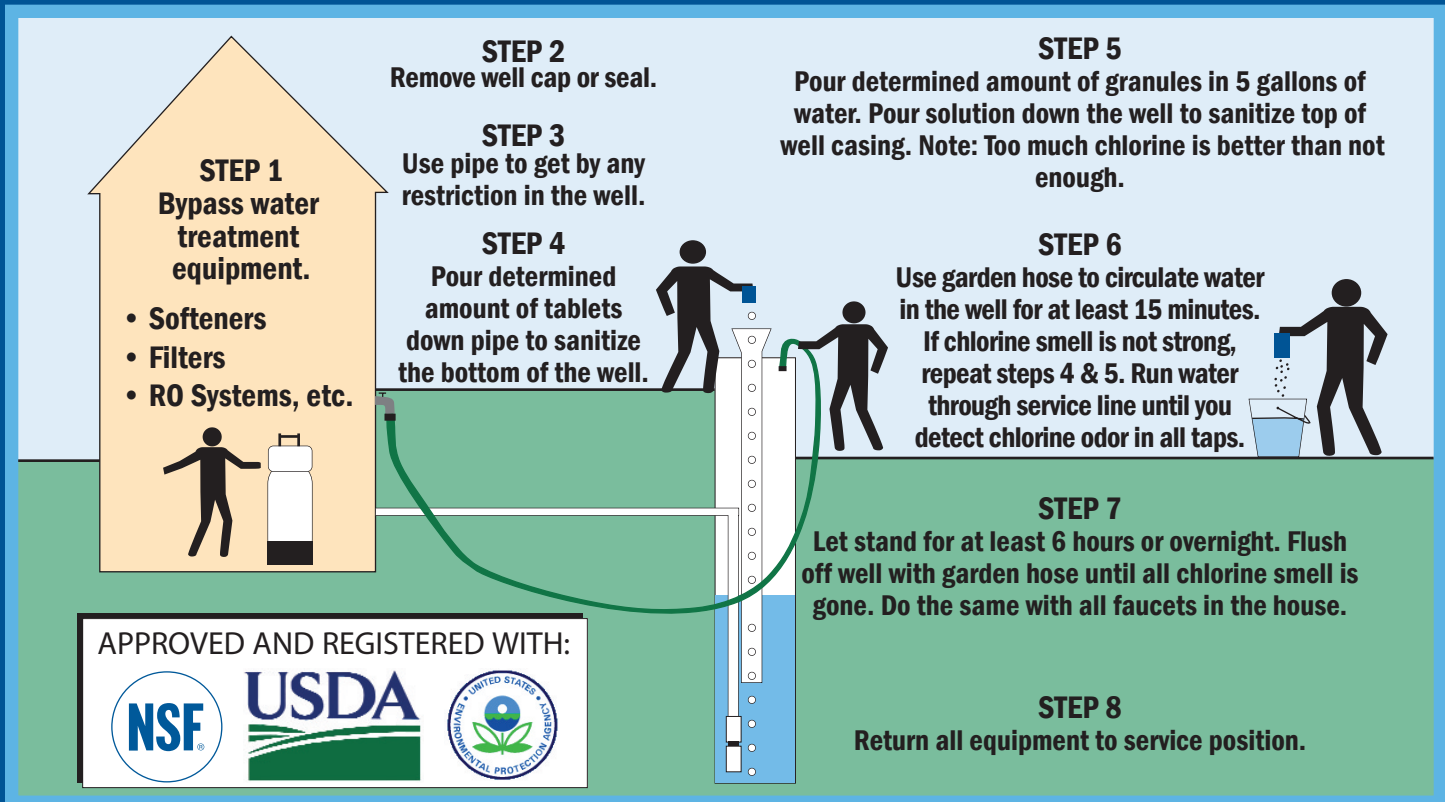
- Pump Repair or Replacement
- After any Water System Maintenance
- Biannual Well Inspection & Sanitization

#### Why...

- Kill Bacteria
- Prolong Pump Life
- Reduce Iron Bacteria Build-Up

#### Where...

- Down the Well
- Inside Storage Tank
- Throughout Plumbing



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## WELL SAFE WELL SANITIZER KIT

It is important to sanitize a well twice a year, whether it is a new well or an existing well. If the well has been disrupted for service or repair, it is a must that it be sanitized. The well storage tank, pipelines, and fixtures should be rinsed with a strong sanitizing solution to kill all harmful pollutants.

The Well Sanitizer Kit can be used for well, storage tank, or cistern sanitation. The amount of tablets and granules used will depend on the amount of water in the system to be sanitized. Half of the total treatment will be completed with chlorine pellets and the other half will be completed with granular chlorine slurry. A 100-ppm chlorine concentration is ideal for sanitizing a well. To produce a 100-ppm chlorine concentration, use 2 oz. sanitizer pellets or granules for each 100 gallons of water in the system. (2oz. granules = 56 Pellets) If the water has a high iron or sulfur content more chlorine may be needed to achieve 100-ppm chlorine residual.

### WELL SANITIZING INSTRUCTIONS

1. Bypass the water softener, other filters, or purification equipment.
2. Remove the cap or seal from the casing and, if possible, measure the depth of water in the well, then refer to the table below to determine how much sanitizer should be used. In some instances removing the seal to measure the water can be a difficult task. It may be easier to estimate well and water depth from well log or other records. As a general rule, it is better to use too much sanitizer than too little. If too much sanitizer is used, it will simply take longer for the taste and odor to leave the system.
3. Use a pipe to get by any restriction in the well, a 10' length of 3/4" PVC is usually ideal. (If it is not possible to remove the well cap, remove vent or sanitation plug.)
4. Drop one tablet into the well and listen to hear if the tablet hits the water (you will hear a "plink" sound). If the tablet hits the water, drop the remaining determined number of sanitizing tablets needed into the well.
5. Mix the determined amount of granules needed in a clean, plastic five (5) gallon container of water and pour the solution down the well to sanitize the upper portion of the well.

#### Do not add water to product – Add product to water.

6. It is necessary to circulate the water in the well to mix the sanitizer thoroughly throughout the entire water system. Connect a hose to an outside silcock that is located after the pressure tank and run water back down the well (this also rinses upper portion of well). After approximately 15 minutes of circulating the water, a strong chlorine odor should be present; if not, repeat steps 4 and 5.
7. Run water through service lines until you detect chlorine odor at all taps.
7. Allow the sanitized water to stand in the system for at least six (6) hours, although overnight is preferred. Open an outside faucet and flush system until water runs chlorine free (no chlorine smell is detected). Repeat flush operation on each faucet in the system.

#### Do not run high levels of chlorine into septic system.

8. Return all equipment to service position.
9. The water should be tested 2 to 3 weeks after sanitizing. If bacteria, iron bacteria, sulfur, or other problems recur, contact your water professional for further treatment.

#### Note:

- A) Naturally occurring iron, manganese, slime and organic material may break loose and can make the water run slightly to very discolored. Run outside faucet until water runs clear and free of chlorine as described in step 7.
- B) In rare instances, wells with large amounts of buildup or oxidized particulates may break loose and plug screen. If water flow is reduced, switch the power off to the well pump and allow the well pump's screen to clear. After a few minutes resume pumping. Repeat as necessary.

**\*\*\*DO NOT CONTINUE TO RUN THE WELL PUMP IF WATER DOES NOT FLOW.\*\*\***

- C) The high level of chlorine required to sanitize a water system is corrosive to most metals and the chlorine solution must not remain in the water system for more than thirty-six (36) hours before completely flushing from the system.

Well Diameter	Gal. of Water per 100ft.	Oz. of Granules to Achieve 100ppm	Number of Pellets to Achieve 100ppm
2"	20	0.4	11
3"	40	0.8	22
4"	70	1.4	39
5"	110	2.2	61
6"	150	3.0	85
8"	260	5.2	147
10"	410	8.2	232
12"	590	11.8	334
24"	2350	47.0	1330
36"	5290	105.8	2994

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