

Guidelines for Determining How Much *Clorox® Concentrated* to Use in Continuous Chlorination Disinfection Systems in place of *Clorox® Regular* and *Clorox® Ultra bleach*

Clorox® has recently released a new product called *Clorox® Concentrated* that has a stronger concentration of sodium hypochlorite (the active ingredient to disinfect in bleach). The concentration of sodium hypochlorite in the new Clorox Concentrated product is 8.25%, compared to 5.25% in *Clorox® Regular* and 6% in *Clorox® Ultra*. If you use this new *Clorox® Concentrated* product in your continuous chlorination disinfection system, **you will need to adjust the amount of bleach you use, as less of this new product is needed to achieve the same strength as other Clorox products.**

The following guidelines can help you determine how much *Clorox® Concentrated* should be used instead of “Regular” or “Ultra” Clorox to achieve the same dosage in your continuous chlorination disinfection system:

First, identify which Clorox product you have been using in your continuous chlorination system: *Clorox® Ultra* or *Clorox® Regular*. This will determine how much you need to adjust your dosage for using *Clorox® Concentrated*.

If you have been using *Clorox® Ultra*

- Multiply the amount of *Clorox® Ultra* you usually add to the solution tank of your continuous chlorination disinfection system by 0.73 (or 73%). The result is how much *Clorox® Concentrated* you need to add to achieve a similar dosage.

Example: If you normally add 3 cups of bleach to 15gal of water to fill your solution tank you would multiply:

$$3 \text{ cups} \times 0.73 = 2.19 \text{ cups}$$

According to the result, you should use 2.19 cups (approx. 2 ¼ cups) of *Clorox® Concentrated*.

$\frac{3 \text{ cups}}{\text{Amount of Clorox® Ultra you usually add to continuous chlorination treatment system}} \times 0.73 = \frac{2.19 \text{ cups}}{\text{Amount of Clorox® Concentrated you need to achieve similar residual}} \text{ (approx. 2 ¼ cups)}$

If you have been using *Clorox® Regular*

- Multiply the amount of *Clorox® Regular* you usually add to the solution tank of your continuous chlorination disinfection system by 0.64 (or 64%). The result is how much *Clorox® Concentrated* you need to add to achieve a similar dosage.

Example: If you normally add 3 cups of bleach to 15gal of water to fill your solution tank you would multiply:

$$3 \text{ cups} \times 0.64 = 1.92 \text{ cups}$$

According to the result, you should use 1.92 (approx. 2 cups) cups of *Clorox® Concentrated*.

$\frac{3 \text{ cups}}{\text{Amount of Clorox® Regular you usually add to continuous chlorination treatment system}} \times 0.64 = \frac{1.92 \text{ cups}}{\text{Amount of Clorox® Concentrated you need to achieve similar residual}} \text{ (approx. 2 cups)}$

If you use *Clorox® Concentrated* instead of either of the other Clorox products you have been using, **you should closely monitor your chlorine residual throughout the system for several days after the initial switch to ensure that the chlorine residual within the water system is within the proper range.** The target chlorine residual range for most systems is 0.2 mg/l to 0.7 mg/l in the system. At no time should the level be over 4.0 mg/l at the first faucet after the chlorinator.