

Worksheet

Calculating Water and Chlorine Requirements (200 PPM) for Shock Chlorination

Complete the following table using your own figures to determine how much water and chlorine you need to shock chlorinate your well.

Casing Diameter	Volume of Water Needed	5 1/4% ¹ Domestic Chlorine Bleach	12% Industrial Sodium Hypochlorite	² 70% High Test Calcium Hypochlorite
(in) (mm)	Imperial gal. needed per 1 ft. of water in the casing	L per 1 ft. (30 cm) of water	L per 1 ft. (30 cm) of water	Dry weight ² per 1 ft. (30 cm) of water
4 (100)	_____ ft. x 1.1 gal. = _____	_____ ft. x 0.019 L = _____	_____ ft. x 0.008 L = _____	_____ ft. x 1.44 g = _____
6 (150)	_____ ft. x 2.4 gal. = _____	_____ ft. x 0.042 L = _____	_____ ft. x 0.018 L = _____	_____ ft. x 3.12 g = _____
8 (200)	_____ ft. x 4.2 gal. = _____	_____ ft. x 0.072 L = _____	_____ ft. x 0.032 L = _____	_____ ft. x 5.46 g = _____
24 (600) ³	extra 200 gal.	_____ ft. x 0.340 L = _____	_____ ft. x 0.148 L = _____	_____ ft. x 25.40 g = _____
36 (900) ³	extra 200 gal.	_____ ft. x 0.760 L = _____	_____ ft. x 0.34 L = _____	_____ ft. x 57.20 g = _____

¹ Domestic chlorine bleach should not have additives or perfumes.

³ See modified procedure for large diameter wells on page 53.

² Since a dry chemical is being used, it should be mixed with water to form a chlorine solution prior to placing it in the well.

*** Store the completed worksheet in the back pocket.**