

DOSAGE GUIDE

NuWell® 410 CHLORINE ENHANCER

Amounts of NuWell 410 Chlorine Enhancer and chlorine disinfectant needed per foot of static well depth.					
Nominal Well Size	Well Volume in (Gal/Ft)	Amount of NuWell 410 (Quarts/Ft)	Amount of Chlorine Product		
			CaHypocl-65% (Lbs/Ft)	SodHyp-12% (Gal/Ft)	SodHyp-5% (Gal/Ft)
2	0.16	0.0007	0.0004	0.0003	0.0006
3	0.37	0.0015	0.0010	0.0006	0.0014
4	0.65	0.0026	0.0017	0.0011	0.0025
5	1.02	0.0041	0.0027	0.0017	0.0039
6	1.47	0.0059	0.0038	0.0025	0.0056
8	2.62	0.010	0.007	0.004	0.010
10	4.09	0.016	0.011	0.007	0.016
12	5.89	0.024	0.015	0.010	0.022
14	8.02	0.032	0.021	0.014	0.030
16	10.47	0.042	0.027	0.018	0.040
18	13.25	0.053	0.034	0.023	0.050
20	16.36	0.07	0.043	0.028	0.062
22	19.80	0.08	0.051	0.034	0.075
24	23.56	0.09	0.061	0.040	0.090
26	27.65	0.11	0.072	0.047	0.105
28	32.07	0.13	0.083	0.055	0.122
30	36.82	0.15	0.096	0.063	0.140
32	41.89	0.17	0.109	0.071	0.159
34	47.29	0.19	0.123	0.080	0.180
36	53.01	0.21	0.138	0.090	0.201
40	65.45	0.26	0.170	0.111	0.249
46	86.56	0.35	0.225	0.147	0.329

Note: Amounts based on application of 200-ppm chlorine concentration into well water with Alkalinity of 100-ppm.

If well-water alkalinity, or the desired chlorine dosage level are greater than the standard values in the above table, adjust the amount of Chlorine Enhancer and the amount of hypochlorite concentrations as shown below.

NuWell 410 Chlorine Enhancer	Hypochlorite
Amount above x (Alk/100)	Amount above x (desired concentration/200)

- Step 1: Determine Static Height (TD - SWL)
 Step 2: Multiply Amt Chlorine Enhancer from table x Static Ht
 Step 3: Determine Amount of hypochlorite product from table above

Step 4: Surface Batch = Water + NuWell 410 Chlorine Enhancer + Hypochlorite

Example: Disinfect a 16 inch well, TD = 300 ft, SWL = 50 ft with Calcium Hypochlorite 65% active

- Step 1: Static Ht = (300ft - 50ft) = 250 ft
 Step 2: Amt Enhancer = 250 ft x 0.042 qts/ft = 11 quarts
 Step 3: Amt Hyp = 250 ft x 0.027 lbs/ft = 6.8 lbs.
 Step 4: Batch: 250 ft x 10.47 gal/ft = 2,618 gal water (2,618 gal + 11 quarts + 6.8 lbs)

TIP: Optimum results are obtained when the surface solution is 2-4 times the well volume, providing sufficient hypochlorite-ions to disperse into the gravel pack and immediate surrounding formation where coliform organisms exist. (For large wells this may not be practical and multiple batches with proportions of chemistry may be required to achieve the desired results.)

