



DIRECTIONS FOR MIXING AND USE

Fill container with half of the total desired amount of hot water. Slowly add half of the pH7X® powder, stirring continuously until fully dissolved. Top off the container with the second half of the hot water. Stir in the rest of the pH7X® powder until fully dissolved.

For routine cleaning, allow the solution to soak for at least 20 minutes. For stubborn or caked-on residues, pH7X® can safely be used in extended soaks up to 24 hours. After cleaning, rinse the system with clean water to remove any remaining solution.

MIXING RATIOS - 1% solution*

pH7X®	Water
1 Teaspoon	14 Fluid Ounces (414ml)
3 Tablespoons	1 Gallon (3.79l)
½ Cup (189g)	5 Gallons (18.93l)
1 Cup (379g)	10 Gallons (37.85l)
2 Cups (758g) - entire container	20 Gallons (75.71l)

*Double the amount of pH7X® if needing a 2% solution. Triple the amount if needing a 3% solution.

WARNING: Injurious to eyes. Harmful if swallowed. Contains sodium percarbonate and sodium carbonate. Avoid powder or solution contact with eyes and prolong skin contact. (Wear gloves) **EYE CONTACT:** Flush with water for 15 minutes; seek medical attention immediately. **IF SWALLOWED:** drink a glass of water; do not induce vomiting; seek medical attention immediately. **SKIN CONTACT:** flush with water. Do not mix with products containing ammonia, chlorine, bleach, or with other household chemicals. Do not mix or store solution in a sealed container, as pressure can build up and the container may rupture causing injury. Do not heat or boil water for use with pH7X®. Contains no phosphate.

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Powder to H2O % Solution Chart 1-50 Gallons

Gallons	Liters	1%	2%	3%	4%	5%
1	3.79	38 g	76 g	114 g	151 g	189 g
2	7.57	76 g	151 g	227 g	303 g	379 g
3	11.36	114 g	227 g	341 g	454 g	568 g
4	15.14	151 g	303 g	454 g	606 g	757 g
5	18.93	189 g	379 g	568 g	757 g	946 g
6	22.71	227 g	454 g	681 g	908 g	1.136 kg
7	26.50	265 g	530 g	795 g	1.060 kg	1.325 kg
8	30.28	303 g	606 g	908 g	1.211 kg	1.514 kg
9	34.07	341 g	681 g	1.022 kg	1.363 kg	1.703 kg
10	37.85	379 g	757 g	1.136 kg	1.514 kg	1.893 kg
11	41.64	416 g	833 g	1.249 kg	1.666 kg	2.082 kg
12	45.42	454 g	908 g	1.363 kg	1.817 kg	2.271 kg
13	49.21	492 g	984 g	1.476 kg	1.968 kg	2.461 kg
14	53.00	530 g	1.060 kg	1.590 kg	2.120 kg	2.650 kg
15	56.78	568 g	1.136 kg	1.703 kg	2.271 kg	2.839 kg
16	60.57	606 g	1.211 kg	1.817 kg	2.423 kg	3.028 kg
17	64.35	644 g	1.287 kg	1.931 kg	2.574 kg	3.218 kg
18	68.14	681 g	1.363 kg	2.044 kg	2.725 kg	3.407 kg
19	71.92	719 g	1.438 kg	2.158 kg	2.877 kg	3.596 kg
20	75.71	757 g	1.514 kg	2.271 kg	3.028 kg	3.785 kg
21	79.49	795 g	1.590 kg	2.385 kg	3.180 kg	3.975 kg
22	83.28	833 g	1.666 kg	2.498 kg	3.331 kg	4.164 kg
23	87.06	871 g	1.741 kg	2.612 kg	3.483 kg	4.353 kg
24	90.85	908 g	1.817 kg	2.725 kg	3.634 kg	4.542 kg
25	94.64	946 g	1.893 kg	2.839 kg	3.785 kg	4.732 kg
26	98.42	984 g	1.968 kg	2.953 kg	3.937 kg	4.921 kg
27	102.21	1.022 kg	2.044 kg	3.066 kg	4.088 kg	5.110 kg
28	105.99	1.060 kg	2.120 kg	3.180 kg	4.240 kg	5.300 kg
29	109.78	1.098 kg	2.196 kg	3.293 kg	4.391 kg	5.489 kg
30	113.56	1.136 kg	2.271 kg	3.407 kg	4.542 kg	5.678 kg
31	117.35	1.173 kg	2.347 kg	3.520 kg	4.694 kg	5.867 kg
32	121.13	1.211 kg	2.423 kg	3.634 kg	4.854 kg	6.057 kg
33	124.92	1.249 kg	2.498 kg	3.748 kg	4.997 kg	6.246 kg
34	128.70	1.287 kg	2.574 kg	3.861 kg	5.148 kg	6.435 kg
35	132.49	1.325 kg	2.650 kg	3.975 kg	5.300 kg	6.624 kg
36	136.27	1.363 kg	2.725 kg	4.088 kg	5.451 kg	6.814 kg
37	140.06	1.401 kg	2.801 kg	4.202 kg	5.602 kg	7.003 kg
38	143.85	1.438 kg	2.877 kg	4.315 kg	5.754 kg	7.192 kg
39	147.63	1.476 kg	2.953 kg	4.429 kg	5.905 kg	7.382 kg
40	151.42	1.514 kg	3.028 kg	4.542 kg	6.057 kg	7.571 kg
41	155.20	1.552 kg	3.104 kg	4.656 kg	6.208 kg	7.760 kg
42	158.99	1.590 kg	3.180 kg	4.770 kg	6.359 kg	7.949 kg
43	162.77	1.628 kg	3.255 kg	4.883 kg	6.511 kg	8.139 kg
44	166.56	1.666 kg	3.331 kg	4.997 kg	6.662 kg	8.328 kg
45	170.34	1.703 kg	3.407 kg	5.110 kg	6.814 kg	8.517 kg
46	174.13	1.741 kg	3.483 kg	5.224 kg	6.965 kg	8.706 kg
47	177.91	1.779 kg	3.558 kg	5.337 kg	7.117 kg	8.896 kg
48	181.70	1.817 kg	3.634 kg	5.451 kg	7.268 kg	9.085 kg
49	185.49	1.855 kg	3.710 kg	5.565 kg	7.419 kg	9.274 kg
50	189.27	1.893 kg	3.785 kg	5.678 kg	7.571 kg	9.464 kg

*pH7X beer line cleaning recommendation: A 2% overnight soak for the first cleaning is HIGHLY recommended

Then move to a 1% 20 minute soak for future static cleaning, or 20 minute recirculation cleaning

***ALWAYS GRADUALLY MIX POWDER TO H2O, NOT H2O TO POWDER, as pH7X is a highly oxidizing compound.** Fill the cleaning canister with half of the H2O needed, then add half of the powder and mix. Then gradually add the rest of the H2O and powder, all while mixing.

*For CIP cleaning: Start filling the FV, kettle, etc. and add powder. The spray ball will do the mixing.