

Large Cooling System
100-8000 Gallons • 100% Water

Adding Pencool® 2000 to a 100% Water System

5% Pencool® 2000 should be added to the system to reach 2000 ppm Nitrite.

Note: 1% Pencool® 2000 = 400 ppm nitrite

Check the chart below to determine how much Pencool, in gallons, to add to your system.

Note: PPM = Indicated nitrite level on test strips or titration

| Add gallons of Pencool 2000 to reach 2000 ppm nitrite | | | | | | |
|---|-------|---------|---------|----------|----------|----------|
| Cooling Sys-tem Cap. in Gals. | 0 ppm | 400 ppm | 800 ppm | 1200 ppm | 1600 ppm | 2000 ppm |
| 100 | 5 | 4 | 3 | 2 | 1 | 0 |
| 125 | 6 | 5 | 4 | 3 | 1 | 0 |
| 150 | 8 | 6 | 5 | 3 | 2 | 0 |
| 175 | 9 | 7 | 5 | 4 | 2 | 0 |
| 200 | 10 | 8 | 6 | 4 | 2 | 0 |
| 225 | 11 | 9 | 7 | 5 | 2 | 0 |
| 250 | 13 | 10 | 8 | 5 | 3 | 0 |
| 275 | 14 | 11 | 8 | 6 | 3 | 0 |
| 300 | 15 | 12 | 9 | 6 | 3 | 0 |
| 325 | 16 | 13 | 10 | 7 | 3 | 0 |
| 350 | 18 | 14 | 11 | 7 | 4 | 0 |
| 375 | 19 | 15 | 11 | 8 | 4 | 0 |
| 400 | 20 | 16 | 12 | 8 | 4 | 0 |
| 425 | 21 | 17 | 13 | 9 | 4 | 0 |
| 450 | 23 | 18 | 14 | 9 | 5 | 0 |
| 475 | 24 | 19 | 14 | 10 | 5 | 0 |
| 500 | 25 | 20 | 15 | 10 | 5 | 0 |
| 600 | 30 | 24 | 18 | 12 | 6 | 0 |
| 700 | 35 | 28 | 21 | 14 | 7 | 0 |
| 800 | 40 | 32 | 24 | 16 | 8 | 0 |
| 900 | 45 | 36 | 27 | 18 | 9 | 0 |
| 1000 | 50 | 40 | 30 | 20 | 10 | 0 |
| 1100 | 55 | 44 | 33 | 22 | 11 | 0 |
| 1200 | 60 | 48 | 36 | 24 | 12 | 0 |
| 1300 | 65 | 52 | 39 | 26 | 13 | 0 |
| 1400 | 70 | 56 | 42 | 28 | 14 | 0 |
| 1500 | 75 | 60 | 45 | 30 | 15 | 0 |
| 1600 | 80 | 64 | 48 | 32 | 16 | 0 |
| 1700 | 85 | 68 | 51 | 34 | 17 | 0 |
| 1800 | 90 | 72 | 54 | 36 | 18 | 0 |
| 1900 | 95 | 76 | 57 | 38 | 19 | 0 |
| 2000 | 100 | 80 | 60 | 40 | 20 | 0 |
| 2250 | 113 | 90 | 68 | 45 | 23 | 0 |
| 2500 | 125 | 100 | 75 | 50 | 25 | 0 |
| 2750 | 138 | 110 | 83 | 55 | 28 | 0 |
| 3000 | 150 | 120 | 90 | 60 | 30 | 0 |
| 3250 | 163 | 130 | 98 | 65 | 33 | 0 |
| 3500 | 175 | 140 | 105 | 70 | 35 | 0 |
| 3750 | 188 | 150 | 113 | 75 | 38 | 0 |
| 4000 | 200 | 160 | 120 | 80 | 40 | 0 |
| 4250 | 213 | 170 | 128 | 85 | 43 | 0 |
| 4500 | 225 | 180 | 135 | 90 | 45 | 0 |
| 4750 | 238 | 190 | 143 | 95 | 48 | 0 |
| 5000 | 250 | 200 | 150 | 100 | 50 | 0 |
| 6000 | 300 | 240 | 180 | 120 | 60 | 0 |
| 7000 | 350 | 280 | 210 | 140 | 70 | 0 |
| 8000 | 400 | 320 | 240 | 160 | 80 | 0 |

**Example- in an 8000 gallon capacity cooling system testing at 0 ppm nitrite, 400 gallons of Pencool 2000 are needed to reach 2000 ppm nitrite*