# AQUASTORE® TANK CAPACITY CHART
## WATER TANKS WITH CONCRETE FLOORS (x 1000 US Gallons)

AQUASTORE® Tanks & Domes

| Model Diameter | # Sheets | Exact Diameter (feet) | Capacity Per Foot (gallons) | Max Water Depth (Ft) AWWA Z = 2A A .375" max. | B .5" max. | 5.51 (1) | 10.09 (2) | 14.68 (3) | 19.26 (4) | 23.84 (5) | 28.43 (6) | 33.01 (7) | 37.59 (8) | 42.17 (9) | 46.76 (10) | 51.34 (11) | 55.92 (12) | 60.51 (13) | 65.09 (14) | 69.67 (15) | 74.26 (16) | 78.84 (17) | 83.42 (18) | 88.00 (19) | 92.59 (20) | 97.17 (21) | 101.75 (22) | 106.34 (23) | 110.92 (24) | (25) | (26) | (27) | (28) | (29) | (30) | (31) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Actual Sidewall Height (feet) - Number of Rings - Courses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 4 | 11.19 | 735 | 46.4 | **46.4** | 4 | 7 | 10 | 14 | 17 | 20 | 24 | 27 | 30 | 33 | 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | 49.58 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 | 5 | 13.98 | 1,149 | 113.2 | **114.1** | 6 | 11 | 16 | 22 | 27 | 32 | 37 | 43 | 48 | 53 | 58 | 64 | 69 | 74 | 80 | 85 | 90 | 95 | 101 | 106 | 111 | 116 | 122 | 127 | 131 | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 114.62 | - | - | - | - | - | - |
| 17 | 6 | 16.78 | 1,655 | 105.0 | **114.2** | 9 | 16 | 24 | 31 | 39 | 47 | 54 | 62 | 69 | 77 | 84 | 92 | 100 | 107 | 115 | 122 | 130 | 138 | 145 | 153 | 160 | 168 | 174 | 180 | 186 | 189 | - | - | - | - | - |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 105.45 | 109.16 | 112.86 | 116.56 | - | - | - | - | - |
| 20 | 7 | 19.58 | 2,252 | 98.4 | **114.4** | 12 | 22 | 33 | 43 | 53 | 64 | 74 | 84 | 94 | 105 | 115 | 125 | 136 | 146 | 156 | 167 | 177 | 187 | 198 | 208 | 218 | 227 | 235 | 243 | 252 | 257 | - | - | - | - | - |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 100.87 | 104.57 | 108.27 | 111.98 | 115.68 | - | - | - | - | - |
| 22 | 8 | 22.37 | 2,942 | 92.2 | **114.6** | 16 | 29 | 43 | 56 | 70 | 83 | 97 | 110 | 124 | 137 | 151 | 164 | 178 | 191 | 204 | 218 | 231 | 245 | 258 | 269 | 280 | 291 | 302 | 313 | 324 | 335 | 337 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 91.71 | 95.41 | 99.11 | 102.81 | 106.51 | 110.21 | 113.91 | 117.61 | | | | |
| 25 | 9 | 25.17 | 3,724 | 88.7 | **114.9** | 20 | 37 | 54 | 71 | 88 | 105 | 122 | 139 | 157 | 174 | 191 | 208 | 225 | 242 | 259 | 276 | 293 | 310 | 327 | 341 | 355 | 369 | 382 | 396 | 410 | 424 | 427 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 91.71 | 95.41 | 99.11 | 102.81 | 106.51 | 110.21 | 113.91 | 117.61 | | | | |
| 28 | 10 | 27.97 | 4,597 | 84.7 | **110.9** | 25 | 46 | 67 | 88 | 109 | 130 | 151 | 172 | 193 | 214 | 236 | 257 | 278 | 299 | 320 | 341 | 362 | 383 | 400 | 417 | 434 | 451 | 468 | 485 | 502 | 509 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 87.12 | 90.82 | 94.52 | 98.23 | 101.93 | 105.63 | 109.33 | 113.03 | | | | | |
| 31 | 11 | 30.77 | 5,563 | 81.1 | **106.7** | 30 | 56 | 81 | 107 | 132 | 158 | 183 | 209 | 234 | 260 | 285 | 311 | 336 | 362 | 387 | 413 | 438 | 459 | 479 | 500 | 520 | 541 | 562 | 582 | 593 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 82.54 | 86.24 | 89.94 | 93.64 | 97.34 | 101.05 | 104.75 | 108.45 | | | | | | |
| 34 | 12 | 33.56 | 6,620 | 78.5 | **102.9** | 36 | 66 | 97 | 127 | 157 | 188 | 218 | 248 | 279 | 309 | 339 | 370 | 400 | 430 | 461 | 491 | 516 | 540 | 565 | 589 | 614 | 638 | 663 | 681 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 77.96 | 81.66 | 85.36 | 89.06 | 92.76 | 96.46 | 100.16 | 103.87 | | | | | | | |
| 36 | 13 | 36.36 | 7,770 | 75.5 | **99.6** | 42 | 78 | 114 | 149 | 185 | 220 | 256 | 292 | 327 | 363 | 398 | 434 | 470 | 505 | 541 | 576 | 605 | 634 | 663 | 691 | 720 | 749 | 773 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 77.96 | 81.66 | 85.36 | 89.06 | 92.76 | 96.46 | 100.16 | | | | | | | | |
| 39 | 14 | 39.16 | 9,011 | 73.9 | **96.6** | 49 | 90 | 132 | 173 | 214 | 256 | 297 | 338 | 380 | 421 | 462 | 503 | 545 | 586 | 627 | 661 | 694 | 727 | 761 | 794 | 827 | 861 | 870 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | 73.37 | 77.07 | 80.78 | 84.48 | 88.18 | 91.88 | 95.58 | 99.28 | | | | | | | | |
| 42 | 15 | 41.96 | 10,345 | 71.9 | **93.9** | 57 | 104 | 151 | 199 | 246 | 294 | 341 | 388 | 436 | 483 | 531 | 578 | 625 | 673 | 720 | 759 | 797 | 835 | 873 | 912 | 950 | 971 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | 73.37 | 77.07 | 80.78 | 84.48 | 88.18 | 91.88 | 95.58 | | | | | | | | | |
| 45 | 16 | 44.75 | 11,770 | 69.3 | **91.6** | 64 | 118 | 172 | 226 | 280 | 334 | 388 | 442 | 496 | 550 | 604 | 658 | 712 | 766 | 809 | 853 | 896 | 940 | 983 | 1,027 | 1,071 | 1,078 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 68.79 | 72.49 | 76.19 | 79.89 | 83.60 | 87.30 | 91.00 | 94.70 | | | | | | | | | |
| 48 | 17 | 47.55 | 13,287 | 65.2 | **87.1** | 73 | 134 | 195 | 255 | 316 | 377 | 438 | 499 | 560 | 621 | 682 | 743 | 803 | 864 | 914 | 963 | 1,012 | 1,061 | 1,110 | 1,157 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 68.79 | 72.49 | 76.19 | 79.89 | 83.60 | 87.30 | | | | | | | | | | | |
| 50 | 18 | 50.35 | 14,896 | 61.6 | **82.2** | 82 | 150 | 218 | 286 | 355 | 423 | 491 | 559 | 628 | 696 | 764 | 833 | 901 | 956 | 1,011 | 1,066 | 1,121 | 1,176 | 1,224 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 64.21 | 67.91 | 71.61 | 75.31 | 79.01 | 82.71 | | | | | | | | | | | | |
| 53 | 19 | 53.15 | 16,598 | 58.4 | **77.9** | 91 | 167 | 243 | 319 | 395 | 471 | 547 | 623 | 700 | 776 | 852 | 928 | 989 | 1,051 | 1,112 | 1,173 | 1,235 | 1,292 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 59.62 | 63.33 | 67.03 | 70.73 | 74.43 | 78.13 | | | | | | | | | | | | | |
| 56 | 20 | 55.95 | 18,391 | 55.4 | **74.0** | 101 | 185 | 269 | 354 | 438 | 522 | 607 | 691 | 775 | 859 | 944 | 1,012 | 1,080 | 1,148 | 1,216 | 1,284 | 1,352 | 1,360 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 55.04 | 58.74 | 62.44 | 66.15 | 69.85 | 73.55 | 77.25 | | | | | | | | | | | | | |
| 59 | 21 | 58.74 | 20,276 | 52.8 | **70.5** | 111 | 204 | 297 | 390 | 483 | 576 | 669 | 762 | 855 | 948 | 1,040 | 1,116 | 1,191 | 1,266 | 1,341 | 1,416 | 1,429 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 55.04 | 58.74 | 62.44 | 66.15 | 69.85 | 73.55 | | | | | | | | | | | | | | |
| 62 | 22 | 61.54 | 22,253 | 50.4 | **67.3** | 122 | 224 | 326 | 428 | 530 | 632 | 734 | 836 | 938 | 1,040 | 1,122 | 1,205 | 1,287 | 1,369 | 1,452 | 1,497 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 50.46 | 54.16 | 57.86 | 61.56 | 65.26 | 68.96 | | | | | | | | | | | | | | |
| 64 | 23 | 64.34 | 24,322 | 48.2 | **64.3** | 134 | 245 | 356 | 468 | 579 | 691 | 802 | 914 | 1,025 | 1,137 | 1,227 | 1,317 | 1,407 | 1,497 | 1,563 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 50.46 | 54.16 | 57.86 | 61.56 | 65.26 | | | | | | | | | | | | | | | |
| 67 | 24 | 67.13 | 26,483 | 46.2 | **61.7** | 145 | 267 | 388 | 510 | 631 | 752 | 874 | 995 | 1,116 | 1,214 | 1,312 | 1,410 | 1,508 | 1,606 | 1,634 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 45.88 | 49.58 | 53.28 | 56.98 | 60.68 | 64.38 | | | | | | | | | | | | | | | | |
| 70 | 25 | 69.93 | 28,736 | 44.4 | **59.2** | 158 | 290 | 421 | 553 | 685 | 816 | 948 | 1,080 | 1,211 | 1,318 | 1,424 | 1,530 | 1,637 | 1,701 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 45.88 | 49.58 | 53.28 | 56.98 | 60.68 | | | | | | | | | | | | | | | | | |
| 73 | 26 | 72.73 | 31,081 | 42.6 | **56.9** | 171 | 313 | 456 | 598 | 741 | 883 | 1,025 | 1,168 | 1,310 | 1,425 | 1,540 | 1,655 | 1,768 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 45.88 | 49.58 | 53.28 | 56.98 | | | | | | | | | | | | | | | | | | |
| 76 | 27 | 75.53 | 33,518 | 41.1 | **54.8** | 184 | 338 | 491 | 645 | 799 | 952 | 1,106 | 1,259 | 1,384 | 1,508 | 1,632 | 1,756 | 1,836 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 41.29 | 44.99 | 48.69 | 52.40 | 56.10 | | | | | | | | | | | | | | | | | | |
| 78 | 28 | 78.32 | 36,046 | 39.6 | **52.8** | 198 | 363 | 529 | 694 | 859 | 1,024 | 1,189 | 1,355 | 1,488 | 1,621 | 1,755 | 1,888 | 1,903 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 41.29 | 44.99 | 48.69 | 52.40 | 56.10 | | | | | | | | | | | | | | | | | | |
| 81 | 29 | 81.12 | 38,667 | 38.2 | **51.0** | 213 | 390 | 567 | 744 | 921 | 1,099 | 1,276 | 1,453 | 1,596 | 1,739 | 1,882 | 1,972 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 41.29 | 44.99 | 48.69 | 52.40 | | | | | | | | | | | | | | | | | | | |
| 84 | 30 | 83.92 | 41,380 | 37.0 | **49.3** | 228 | 417 | 607 | 796 | 986 | 1,176 | 1,365 | 1,519 | 1,672 | 1,825 | 1,978 | 2,040 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 36.71 | 40.41 | 44.11 | 47.81 | 51.51 | | | | | | | | | | | | | | | | | | | |
| 87 | 31 | 86.72 | 44,184 | 35.8 | **47.7** | 243 | 445 | 648 | 850 | 1,053 | 1,255 | 1,458 | 1,621 | 1,785 | 1,949 | 2,107 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 36.71 | 40.41 | 44.11 | 47.81 | | | | | | | | | | | | | | | | | | | | |
| 90 | 32 | 89.51 | 47,081 | 34.6 | **46.2** | 259 | 475 | 690 | 906 | 1,122 | 1,338 | 1,554 | 1,728 | 1,902 | 2,076 | 2,175 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 36.71 | 40.41 | 44.11 | 47.81 | | | | | | | | | | | | | | | | | | | | |
| 92 | 33 | 92.31 | 50,070 | 33.6 | **44.8** | 275 | 505 | 734 | 964 | 1,193 | 1,423 | 1,652 | 1,838 | 2,023 | 2,208 | 2,243 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 36.71 | 40.41 | 44.11 | 47.81 | | | | | | | | | | | | | | | | | | | | |
| 95 | 34 | 95.11 | 53,150 | 32.6 | **43.5** | 292 | 536 | 780 | 1,023 | 1,267 | 1,510 | 1,707 | 1,904 | 2,100 | 2,297 | 2,312 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 32.13 | 35.83 | 39.53 | 43.23 | 46.93 | | | | | | | | | | | | | | | | | | | | |
| 98 | 35 | 97.91 | 56,323 | 31.7 | **42.3** | 310 | 568 | 826 | 1,084 | 1,342 | 1,600 | 1,809 | 2,017 | 2,226 | 2,382 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 32.13 | 35.83 | 39.53 | 43.23 | | | | | | | | | | | | | | | | | | | | | |
| 101 | 36 | 100.70 | 59,587 | 30.8 | **41.1** | 328 | 601 | 874 | 1,147 | 1,420 | 1,693 | 1,914 | 2,134 | 2,355 | 2,449 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 32.13 | 35.83 | 39.53 | 43.23 | | | | | | | | | | | | | | | | | | | | | |
| 104 | 37 | 103.50 | 62,944 | 30.0 | **40.0** | 346 | 635 | 923 | 1,212 | 1,500 | 1,789 | 2,022 | 2,255 | 2,488 | 2,517 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 32.13 | 35.83 | 39.53 | 43.23 | | | | | | | | | | | | | | | | | | | | | |

AQUASTORE® Tanks & Domes
Glass Tanks with a Heart of Steel™

**SPLIT-CELL CHART KEY:**

| | |
|---|---|
| 1,836 | 1. Top number is tank volume (x 1000) in US Gallons |
| 56.09 | 2. Bottom number is actual sidewall height with 44" high shell sheets |

**Notes:**

1. 100 mph wind speed
2. 25 psf live snow load
3. Seismic zone 2A
4. Importance Factor, I = 1.25
5. Site Amplification Factor, S = 1.5
6. Specific gravity 1.0 @ STP
7. Structure height limitations dependent upon local soil conditions and construction techniques
8. AWWA Designates AWWA D103-97
9. Model Designation => Model Diameter & Model Sidewall Height
   ***Example:*** *Model Designation 4228 => 42' diameter & 28' height*
10. For steel floor option: Add .678' X Capacity Per Foot (gallons) to listed capacities
11. No freeboard allowance except in the darker gray shaded areas at the far right end of the rows, where the freeboard is variable

AQUASTORE® Tanks & Domes

ENGINEERED STORAGE PRODUCTS COMPANY

**AWWA Seismic 2A English Units**

Part#: 274479-000
ECN#: 07387
Copyright 2008
Engineered Storage Products

# AQUASTORE® TANK CAPACITY CHART
## WATER TANKS WITH CONCRETE FLOORS (x 1000 US Gallons)

| Model Diameter | # Sheets | Exact Diameter (feet) | Capacity Per Foot (gallons) | Max Water Depth (Ft) AWWA Z = 2A A .375" max. | B .5" max. | 5.51 | 10.09 | 14.68 | 19.26 | 23.84 | 28.43 | 33.01 | 37.59 | 42.17 | 46.76 | 51.34 | 55.92 | 60.51 | 65.09 | 69.67 | 74.26 | 78.84 | 83.42 | 88.00 | 92.59 | 97.17 | 101.75 | 106.34 | 110.92 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Actual Sidewall Height (feet) - Number of Rings - Courses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 106 | 38 | 106.30 | 66,392 | 29.2 | **38.9** | 365 | 670 | 974 | 1,278 | 1,582 | 1,887 | 2,132 | 2,378 | 2,582 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 32.13 | 35.83 | 39.53 | | | | | | | | | | | | | | | | | | | | | | |
| 109 | 39 | 109.10 | 69,932 | 28.4 | **37.9** | 385 | 705 | 1,026 | 1,346 | 1,667 | 1,926 | 2,184 | 2,443 | 2,650 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.54 | 31.24 | 34.95 | 38.65 | | | | | | | | | | | | | | | | | | | | | | |
| 112 | 40 | 111.90 | 73,565 | 27.7 | **37.0** | 405 | 742 | 1,079 | 1,416 | 1,753 | 2,026 | 2,298 | 2,570 | 2,721 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.54 | 31.24 | 34.95 | 38.65 | | | | | | | | | | | | | | | | | | | | | | |
| 115 | 41 | 114.69 | 77,289 | 27.0 | **36.1** | 425 | 780 | 1,134 | 1,488 | 1,842 | 2,128 | 2,414 | 2,700 | 2,790 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.54 | 31.24 | 34.95 | 38.65 | | | | | | | | | | | | | | | | | | | | | | |
| 117 | 42 | 117.49 | 81,105 | 26.4 | **35.2** | 446 | 818 | 1,190 | 1,562 | 1,933 | 2,233 | 2,534 | 2,834 | 2,854 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.54 | 31.24 | 34.95 | 38.65 | | | | | | | | | | | | | | | | | | | | | | |
| 120 | 43 | 120.29 | 85,013 | 25.8 | **34.4** | 468 | 858 | 1,247 | 1,637 | 2,026 | 2,341 | 2,656 | 2,924 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.54 | 31.24 | 34.95 | | | | | | | | | | | | | | | | | | | | | | | |
| 123 | 44 | 123.09 | 89,013 | 25.2 | **33.6** | 490 | 898 | 1,306 | 1,714 | 2,122 | 2,451 | 2,781 | 2,990 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.54 | 31.24 | 34.95 | | | | | | | | | | | | | | | | | | | | | | | |
| 126 | 45 | 125.89 | 93,105 | 24.6 | **32.9** | 513 | 939 | 1,366 | 1,793 | 2,219 | 2,564 | 2,909 | 3,063 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.54 | 31.24 | 34.95 | | | | | | | | | | | | | | | | | | | | | | | |
| 129 | 46 | 128.68 | 97,289 | 24.1 | **32.1** | 536 | 981 | 1,427 | 1,873 | 2,319 | 2,679 | 3,039 | 3,122 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.54 | 31.24 | 34.95 | | | | | | | | | | | | | | | | | | | | | | | |
| 131 | 47 | 131.48 | 101,565 | 23.6 | **31.5** | 559 | 1,025 | 1,490 | 1,956 | 2,331 | 2,707 | 3,083 | 3,199 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | 34.06 | | | | | | | | | | | | | | | | | | | | | | | |
| 134 | 48 | 134.27 | 105,933 | 23.1 | **30.8** | 583 | 1,069 | 1,554 | 2,040 | 2,432 | 2,824 | 3,216 | 3,262 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | 34.06 | | | | | | | | | | | | | | | | | | | | | | | |
| 137 | 49 | 137.07 | 110,393 | 22.6 | **30.2** | 608 | 1,114 | 1,620 | 2,126 | 2,534 | 2,943 | 3,333 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | 50 | 139.87 | 114,945 | 22.2 | **29.6** | 633 | 1,160 | 1,686 | 2,213 | 2,639 | 3,064 | 3,402 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | | | | | | | | | | | | | | | | | | | | | | | | |
| 143 | 51 | 142.67 | 119,589 | 21.7 | **29.0** | 658 | 1,207 | 1,755 | 2,303 | 2,745 | 3,188 | 3,468 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | | | | | | | | | | | | | | | | | | | | | | | | |
| 145 | 52 | 145.46 | 124,324 | 21.3 | **28.4** | 685 | 1,254 | 1,824 | 2,394 | 2,854 | 3,314 | 3,530 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | | | | | | | | | | | | | | | | | | | | | | | | |
| 148 | 53 | 148.26 | 129,152 | 20.9 | **27.9** | 711 | 1,303 | 1,895 | 2,487 | 2,965 | 3,443 | 3,603 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | | | | | | | | | | | | | | | | | | | | | | | | |
| 151 | 54 | 151.06 | 134,072 | 20.5 | **27.4** | 738 | 1,353 | 1,967 | 2,582 | 3,078 | 3,574 | 3,673 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | | | | | | | | | | | | | | | | | | | | | | | | |
| 154 | 55 | 153.86 | 139,083 | 20.2 | **26.9** | 766 | 1,403 | 2,041 | 2,678 | 3,193 | 3,708 | 3,741 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | 30.36 | | | | | | | | | | | | | | | | | | | | | | | | |
| 157 | 56 | 156.66 | 144,187 | 19.8 | **26.4** | 794 | 1,455 | 2,116 | 2,776 | 3,310 | 3,806 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 159 | 57 | 159.46 | 149,382 | 19.4 | **25.9** | 823 | 1,507 | 2,192 | 2,876 | 3,429 | 3,868 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 22.96 | 26.66 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 162 | 58 | 162.26 | 154,670 | 19.1 | **25.5** | 852 | 1,561 | 2,269 | 2,842 | 3,414 | 3,944 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 18.38 | 22.08 | 25.78 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 171 | 61 | 170.65 | 171,082 | 18.2 | **24.2** | 942 | 1,726 | 2,510 | 3,144 | 3,777 | 4,140 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 18.38 | 22.08 | 25.78 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 179 | 64 | 179.04 | 188,318 | 17.3 | **23.1** | 1,037 | 1,900 | 2,763 | 3,460 | 4,157 | 4,350 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 18.38 | 22.08 | 25.78 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 187 | 67 | 187.43 | 206,381 | 16.5 | **22.1** | 1,137 | 2,083 | 3,028 | 3,792 | 4,556 | 4,561 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 18.38 | 22.08 | 25.78 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193 | 69 | 193.03 | 218,898 | 16.1 | **21.4** | 1,206 | 2,209 | 3,212 | 4,022 | 4,684 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 18.38 | 22.08 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 201 | 72 | 201.42 | 238,340 | 15.4 | **20.5** | 1,313 | 2,405 | 3,497 | 4,380 | 4,885 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 18.38 | 22.08 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | 75 | 209.81 | 258,609 | 14.8 | **19.7** | 1,424 | 2,610 | 3,795 | 4,752 | 5,094 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 18.38 | 22.08 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 218 | 78 | 218.20 | 279,712 | 14.2 | **18.9** | 1,541 | 2,823 | 3,858 | 4,893 | 5,286 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 13.79 | 17.50 | 21.20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 227 | 81 | 226.59 | 301,642 | 13.7 | **18.2** | 1,662 | 3,044 | 4,160 | 5,277 | 5,489 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 13.79 | 17.50 | 21.20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 235 | 84 | 234.99 | 324,399 | 13.2 | **17.6** | 1,787 | 3,274 | 4,474 | 5,675 | 5,709 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 13.79 | 17.50 | 21.20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 243 | 87 | 243.38 | 347,984 | 12.7 | **17.0** | 1,917 | 3,512 | 4,800 | 5,915 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 13.79 | 17.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Glass Tanks with a Heart of Steel™

**SPLIT-CELL CHART KEY:**

| |
|---|
| 1,836 |
| 56.09 |

1. Top number is tank volume (x 1000) in US Gallons
2. Bottom number is actual sidewall height with 44" high shell sheets

**Notes:**

1. 100 mph wind speed
2. 25 psf live snow load
3. Seismic zone 2A
4. Importance Factor, I = 1.25
5. Site Amplification Factor, S = 1.5
6. Specific gravity 1.0 @ STP
7. Structure height limitations dependent upon local soil conditions and construction techniques
8. AWWA Designates AWWA D103-97
9. Model Designation => Model Diameter & Model Sidewall Height
   ***Example:*** *Model Designation 4228 => 42' diameter & 28' height*
10. For steel floor option: Add .678' X Capacity Per Foot (gallons) to listed capacities
11. No freeboard allowance except in the darker gray shaded areas at the far right end of the rows, where the freeboard is variable

Part#: 274480-000
ECN#: 07387
Copyright 2008
Engineered Storage Products

ENGINEERED STORAGE PRODUCTS COMPANY

# AWWA Seismic 2A English Units