

| S = 20000 | | 80:10 Flanged and Dished Heads | | | | | | | | | | | | | | | | | © 2003 Pressure Vessel Engineering Ltd. | | www.pveng.com | |
|---|-------------------|---------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--|--|
| IKR = 10% of OD, IDR = 80% of OD, thickness as formed, skirt not included | | | | | | | | | | | | | | | | | | | Phone: (519)-880-9808 Fax: (519) 880-9810 | | | |
| Head Thickness | | 0.063 | 0.125 | 0.188 | 0.250 | 0.313 | 0.375 | 0.438 | 0.500 | 0.625 | 0.750 | 0.875 | 1.000 | 1.125 | 1.250 | 1.375 | 1.500 | 1.750 | 2.000 | Inch | | |
| 12" 1' diameter | Max PSI at E=1.00 | 178.2 | 356.1 | 535.1 | 710.9 | 887.9 | 1064.5 | 1240.8 | 1416.8 | 1767.9 | 2117.7 | 2466.4 | 2813.7 | 3159.9 | 3504.8 | 3848.6 | 4191.1 | 4872.6 | 5549.4 | PSI | | |
| | Max PSI at E=0.85 | 151.5 | 302.7 | 454.8 | 604.3 | 754.7 | 904.8 | 1054.7 | 1204.3 | 1502.7 | 1800.1 | 2096.4 | 2391.7 | 2685.9 | 2979.1 | 3271.3 | 3562.4 | 4141.7 | 4717.0 | PSI | | |
| | Height | 2.73 | 2.75 | 2.77 | 2.79 | 2.81 | 2.84 | 2.86 | 2.88 | 2.94 | 2.99 | 3.05 | 3.11 | 3.17 | 3.24 | 3.30 | 3.38 | 3.52 | 3.68 | Inch | | |
| | Volume | 0.11 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 | ft³ | |
| | Weight | 1.8 | 3.7 | 5.5 | 7.3 | 9.1 | 11.0 | 12.8 | 14.6 | 18.2 | 21.7 | 25.3 | 28.9 | 32.4 | 35.9 | 39.5 | 43.0 | 50.0 | 57.1 | Lbs cs | | |
| 18" 1' 6" diameter | Max PSI at E=1.00 | 118.8 | 237.5 | 357.0 | 474.5 | 592.8 | 710.9 | 828.9 | 946.8 | 1182.1 | 1416.8 | 1651.0 | 1884.7 | 2117.7 | 2350.3 | 2582.3 | 2813.7 | 3275.0 | 3734.1 | PSI | | |
| | Max PSI at E=0.85 | 101.0 | 201.9 | 303.5 | 403.3 | 503.9 | 604.3 | 704.6 | 804.8 | 1004.8 | 1204.3 | 1403.4 | 1602.0 | 1800.1 | 1997.7 | 2194.9 | 2391.7 | 2783.8 | 3174.0 | PSI | | |
| | Height | 4.08 | 4.10 | 4.12 | 4.14 | 4.16 | 4.18 | 4.21 | 4.23 | 4.28 | 4.33 | 4.38 | 4.43 | 4.49 | 4.54 | 4.60 | 4.66 | 4.79 | 4.92 | Inch | | |
| | Volume | 0.36 | 0.35 | 0.35 | 0.34 | 0.33 | 0.32 | 0.32 | 0.31 | 0.30 | 0.28 | 0.27 | 0.26 | 0.25 | 0.23 | 0.22 | 0.21 | 0.19 | 0.18 | ft³ | | |
| | Weight | 4.1 | 8.3 | 12.4 | 16.5 | 20.6 | 24.7 | 28.8 | 32.9 | 41.0 | 49.1 | 57.2 | 65.3 | 73.4 | 81.4 | 89.4 | 97.4 | 113.3 | 129.2 | Lbs cs | | |
| 24" 2' diameter | Max PSI at E=1.00 | 89.1 | 178.2 | 267.9 | 356.1 | 444.9 | 533.7 | 622.3 | 710.9 | 887.9 | 1064.5 | 1240.8 | 1416.8 | 1592.5 | 1767.9 | 1943.0 | 2117.7 | 2466.4 | 2813.7 | PSI | | |
| | Max PSI at E=0.85 | 75.8 | 151.5 | 227.7 | 302.7 | 378.2 | 453.6 | 529.0 | 604.3 | 754.7 | 904.8 | 1054.7 | 1204.3 | 1353.6 | 1502.7 | 1651.5 | 1800.1 | 2096.4 | 2391.7 | PSI | | |
| | Height | 5.43 | 5.45 | 5.47 | 5.49 | 5.51 | 5.53 | 5.56 | 5.58 | 5.62 | 5.67 | 5.72 | 5.77 | 5.82 | 5.87 | 5.93 | 5.98 | 6.10 | 6.22 | Inch | | |
| | Volume | 0.86 | 0.85 | 0.84 | 0.82 | 0.81 | 0.79 | 0.78 | 0.77 | 0.74 | 0.72 | 0.69 | 0.67 | 0.65 | 0.63 | 0.60 | 0.58 | 0.54 | 0.51 | ft³ | | |
| | Weight | 7.4 | 14.7 | 22.1 | 29.4 | 36.7 | 44.0 | 51.3 | 58.6 | 73.1 | 87.6 | 102.1 | 116.5 | 130.9 | 145.2 | 159.6 | 173.9 | 202.4 | 230.8 | Lbs cs | | |
| 30" 2' 6" diameter | Max PSI at E=1.00 | 71.3 | 142.6 | 214.4 | 285.0 | 356.1 | 427.2 | 498.2 | 569.2 | 710.9 | 852.5 | 993.9 | 1135.1 | 1276.1 | 1416.8 | 1557.4 | 1697.8 | 1978.0 | 2257.3 | PSI | | |
| | Max PSI at E=0.85 | 60.6 | 121.2 | 182.2 | 242.2 | 302.7 | 363.1 | 423.5 | 483.8 | 604.3 | 724.6 | 844.8 | 964.8 | 1084.6 | 1204.3 | 1323.8 | 1443.1 | 1681.3 | 1918.7 | PSI | | |
| | Height | 6.79 | 6.80 | 6.82 | 6.84 | 6.87 | 6.89 | 6.91 | 6.93 | 6.97 | 7.02 | 7.06 | 7.11 | 7.16 | 7.21 | 7.26 | 7.31 | 7.42 | 7.53 | Inch | | |
| | Volume | 1.69 | 1.67 | 1.65 | 1.63 | 1.61 | 1.58 | 1.56 | 1.54 | 1.50 | 1.46 | 1.42 | 1.38 | 1.34 | 1.31 | 1.27 | 1.24 | 1.17 | 1.11 | ft³ | | |
| | Weight | 11.5 | 23.0 | 34.6 | 46.0 | 57.4 | 68.8 | 80.3 | 91.7 | 114.4 | 137.2 | 159.8 | 182.4 | 205.0 | 227.5 | 250.0 | 272.5 | 317.3 | 361.9 | Lbs cs | | |
| 36" 3' diameter | Max PSI at E=1.00 | 59.4 | 118.8 | 178.7 | 237.5 | 296.8 | 356.1 | 415.3 | 474.5 | 592.8 | 710.9 | 828.9 | 946.8 | 1064.5 | 1182.1 | 1299.5 | 1416.8 | 1651.0 | 1884.7 | PSI | | |
| | Max PSI at E=0.85 | 50.5 | 101.0 | 151.9 | 201.9 | 252.3 | 302.7 | 353.0 | 403.3 | 503.9 | 604.3 | 704.6 | 804.8 | 904.8 | 1004.8 | 1104.6 | 1204.3 | 1403.4 | 1602.0 | PSI | | |
| | Height | 8.14 | 8.16 | 8.18 | 8.20 | 8.22 | 8.24 | 8.26 | 8.28 | 8.32 | 8.37 | 8.41 | 8.46 | 8.51 | 8.55 | 8.60 | 8.65 | 8.76 | 8.86 | Inch | | |
| | Volume | 2.93 | 2.90 | 2.87 | 2.84 | 2.81 | 2.77 | 2.74 | 2.71 | 2.65 | 2.59 | 2.53 | 2.48 | 2.42 | 2.37 | 2.31 | 2.26 | 2.16 | 2.06 | ft³ | | |
| | Weight | 16.6 | 33.1 | 49.8 | 66.2 | 82.7 | 99.2 | 115.7 | 132.1 | 165.0 | 197.8 | 230.5 | 263.1 | 295.7 | 328.3 | 360.8 | 393.2 | 457.9 | 522.4 | Lbs cs | | |
| 42" 3' 6" diameter | Max PSI at E=1.00 | 50.9 | 101.9 | 153.2 | 203.6 | 254.5 | 305.3 | 356.1 | 406.9 | 508.3 | 609.7 | 710.9 | 812.1 | 913.1 | 1014.1 | 1114.9 | 1215.7 | 1416.8 | 1617.6 | PSI | | |
| | Max PSI at E=0.85 | 43.3 | 86.6 | 130.2 | 173.1 | 216.3 | 259.5 | 302.7 | 345.8 | 432.1 | 518.2 | 604.3 | 690.3 | 776.2 | 862.0 | 947.7 | 1033.3 | 1204.3 | 1375.0 | PSI | | |
| | Height | 9.49 | 9.51 | 9.53 | 9.55 | 9.57 | 9.59 | 9.61 | 9.63 | 9.67 | 9.72 | 9.76 | 9.81 | 9.85 | 9.90 | 9.95 | 9.99 | 10.09 | 10.20 | Inch | | |
| | Volume | 4.67 | 4.62 | 4.58 | 4.53 | 4.49 | 4.45 | 4.40 | 4.36 | 4.28 | 4.20 | 4.12 | 4.04 | 3.96 | 3.88 | 3.81 | 3.73 | 3.59 | 3.45 | ft³ | | |
| | Weight | 22.6 | 45.1 | 67.8 | 90.1 | 112.6 | 135.1 | 157.5 | 179.9 | 224.7 | 269.4 | 314.0 | 358.6 | 403.0 | 447.4 | 491.8 | 536.0 | 624.4 | 712.5 | Lbs cs | | |
| 48" 4' diameter | Max PSI at E=1.00 | 44.6 | 89.1 | 134.0 | 178.2 | 222.7 | 267.2 | 311.7 | 356.1 | 444.9 | 533.7 | 622.3 | 710.9 | 799.4 | 887.9 | 976.2 | 1064.5 | 1240.8 | 1416.8 | PSI | | |
| | Max PSI at E=0.85 | 37.9 | 75.8 | 113.9 | 151.5 | 189.3 | 227.1 | 264.9 | 302.7 | 378.2 | 453.6 | 529.0 | 604.3 | 679.5 | 754.7 | 829.8 | 904.8 | 1054.7 | 1204.3 | PSI | | |
| | Height | 10.85 | 10.86 | 10.88 | 10.90 | 10.92 | 10.94 | 10.96 | 10.98 | 11.03 | 11.07 | 11.11 | 11.16 | 11.20 | 11.25 | 11.29 | 11.34 | 11.44 | 11.54 | Inch | | |
| | Volume | 6.97 | 6.92 | 6.86 | 6.80 | 6.74 | 6.69 | 6.63 | 6.57 | 6.46 | 6.36 | 6.25 | 6.14 | 6.04 | 5.94 | 5.84 | 5.74 | 5.55 | 5.36 | ft³ | | |
| | Weight | 29.5 | 58.9 | 88.6 | 117.8 | 147.2 | 176.5 | 205.8 | 235.1 | 293.7 | 352.1 | 410.5 | 468.8 | 526.9 | 585.0 | 643.1 | 701.0 | 816.7 | 932.0 | Lbs cs | | |
| 54" 4' 6" diameter | Max PSI at E=1.00 | 39.6 | 79.2 | 119.2 | 158.4 | 198.0 | 237.5 | 277.1 | 316.6 | 395.6 | 474.5 | 553.4 | 632.2 | 710.9 | 789.6 | 868.2 | 946.8 | 1103.7 | 1260.4 | PSI | | |
| | Max PSI at E=0.85 | 33.7 | 67.4 | 101.3 | 134.7 | 168.3 | 201.9 | 235.5 | 269.1 | 336.3 | 403.3 | 470.4 | 537.4 | 604.3 | 671.2 | 738.0 | 804.8 | 938.2 | 1071.3 | PSI | | |
| | Height | 12.20 | 12.22 | 12.24 | 12.26 | 12.28 | 12.30 | 12.32 | 12.34 | 12.38 | 12.42 | 12.46 | 12.51 | 12.55 | 12.60 | 12.64 | 12.69 | 12.78 | 12.88 | Inch | | |
| | Volume | 9.94 | 9.86 | 9.79 | 9.72 | 9.65 | 9.57 | 9.50 | 9.43 | 9.29 | 9.15 | 9.02 | 8.88 | 8.75 | 8.62 | 8.49 | 8.36 | 8.11 | 7.87 | ft³ | | |
| | Weight | 37.3 | 74.6 | 112.2 | 149.1 | 186.3 | 223.5 | 260.6 | 297.7 | 371.9 | 445.9 | 519.8 | 593.7 | 667.4 | 741.1 | 814.6 | 888.1 | 1034.7 | 1181.0 | Lbs cs | | |

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|---|-------------------|---|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--------|
| IKR = 10% of OD, IDR = 80% of OD, thickness as formed, skirt not included | | | | | | | | | | | | | | | | | | | www.pveng.com | |
| | | Phone: (519)-880-9808 Fax: (519) 880-9810 | | | | | | | | | | | | | | | | | | |
| Head Thickness | | 0.063 | 0.125 | 0.188 | 0.250 | 0.313 | 0.375 | 0.438 | 0.500 | 0.625 | 0.750 | 0.875 | 1.000 | 1.125 | 1.250 | 1.375 | 1.500 | 1.750 | 2.000 | Inch |
| 60" 5' diameter | Max PSI at E=1.00 | 35.7 | 71.3 | 107.2 | 142.6 | 178.2 | 213.8 | 249.4 | 285.0 | 356.1 | 427.2 | 498.2 | 569.2 | 640.1 | 710.9 | 781.7 | 852.5 | 993.9 | 1135.1 | PSI |
| | Max PSI at E=0.85 | 30.3 | 60.6 | 91.2 | 121.2 | 151.5 | 181.7 | 212.0 | 242.2 | 302.7 | 363.1 | 423.5 | 483.8 | 544.1 | 604.3 | 664.5 | 724.6 | 844.8 | 964.8 | PSI |
| | Height | 13.55 | 13.57 | 13.59 | 13.61 | 13.63 | 13.65 | 13.67 | 13.69 | 13.73 | 13.77 | 13.81 | 13.86 | 13.90 | 13.95 | 13.99 | 14.04 | 14.13 | 14.22 | Inch |
| | Volume | 13.64 | 13.55 | 13.46 | 13.37 | 13.28 | 13.19 | 13.10 | 13.02 | 12.84 | 12.67 | 12.50 | 12.33 | 12.16 | 12.00 | 11.84 | 11.68 | 11.36 | 11.06 | ft^3 |
| | Weight | 46.1 | 92.1 | 138.5 | 184.1 | 230.0 | 275.9 | 321.8 | 367.7 | 459.3 | 550.7 | 642.1 | 733.4 | 824.5 | 915.5 | 1006.5 | 1097.3 | 1278.6 | 1459.6 | Lbs cs |
| 66" 5' 6" diameter | Max PSI at E=1.00 | 32.4 | 64.8 | 97.5 | 129.6 | 162.0 | 194.4 | 226.8 | 259.1 | 323.8 | 388.4 | 453.0 | 517.5 | 582.0 | 646.5 | 710.9 | 775.3 | 903.9 | 1032.4 | PSI |
| | Max PSI at E=0.85 | 27.6 | 55.1 | 82.9 | 110.2 | 137.7 | 165.2 | 192.7 | 220.2 | 275.2 | 330.1 | 385.0 | 439.9 | 494.7 | 549.5 | 604.3 | 659.0 | 768.4 | 877.6 | PSI |
| | Height | 14.90 | 14.92 | 14.94 | 14.96 | 14.98 | 15.00 | 15.02 | 15.04 | 15.08 | 15.12 | 15.17 | 15.21 | 15.25 | 15.30 | 15.34 | 15.38 | 15.48 | 15.57 | Inch |
| | Volume | 18.17 | 18.06 | 17.95 | 17.84 | 17.73 | 17.62 | 17.52 | 17.41 | 17.20 | 16.99 | 16.78 | 16.57 | 16.37 | 16.17 | 15.97 | 15.78 | 15.39 | 15.01 | ft^3 |
| | Weight | 55.7 | 111.5 | 167.6 | 222.8 | 278.4 | 333.9 | 389.5 | 445.0 | 555.9 | 666.6 | 777.3 | 887.8 | 998.2 | 1108.4 | 1218.6 | 1328.6 | 1548.3 | 1767.6 | Lbs cs |
| 72" 6' diameter | Max PSI at E=1.00 | 29.7 | 59.4 | 89.4 | 118.8 | 148.5 | 178.2 | 207.9 | 237.5 | 296.8 | 356.1 | 415.3 | 474.5 | 533.7 | 592.8 | 651.9 | 710.9 | 828.9 | 946.8 | PSI |
| | Max PSI at E=0.85 | 25.3 | 50.5 | 76.0 | 101.0 | 126.2 | 151.5 | 176.7 | 201.9 | 252.3 | 302.7 | 353.0 | 403.3 | 453.6 | 503.9 | 554.1 | 604.3 | 704.6 | 804.8 | PSI |
| | Height | 16.26 | 16.28 | 16.30 | 16.32 | 16.34 | 16.36 | 16.38 | 16.40 | 16.44 | 16.48 | 16.52 | 16.56 | 16.60 | 16.65 | 16.69 | 16.73 | 16.82 | 16.92 | Inch |
| | Volume | 23.60 | 23.47 | 23.34 | 23.21 | 23.08 | 22.95 | 22.82 | 22.69 | 22.44 | 22.19 | 21.94 | 21.70 | 21.45 | 21.21 | 20.97 | 20.74 | 20.27 | 19.82 | ft^3 |
| | Weight | 66.3 | 132.6 | 199.4 | 265.1 | 331.3 | 397.5 | 463.6 | 529.7 | 661.7 | 793.6 | 925.4 | 1057.0 | 1188.4 | 1319.8 | 1451.0 | 1582.0 | 1843.8 | 2105.1 | Lbs cs |
| 78" 6' 6" diameter | Max PSI at E=1.00 | 27.4 | 54.9 | 82.5 | 109.7 | 137.1 | 164.5 | 191.9 | 219.3 | 274.0 | 328.8 | 383.4 | 438.1 | 492.7 | 547.3 | 601.9 | 656.4 | 765.4 | 874.3 | PSI |
| | Max PSI at E=0.85 | 23.3 | 46.6 | 70.1 | 93.2 | 116.5 | 139.8 | 163.1 | 186.4 | 232.9 | 279.4 | 325.9 | 372.4 | 418.8 | 465.2 | 511.6 | 558.0 | 650.6 | 743.1 | PSI |
| | Height | 17.61 | 17.63 | 17.65 | 17.67 | 17.69 | 17.71 | 17.73 | 17.75 | 17.79 | 17.83 | 17.87 | 17.91 | 17.95 | 18.00 | 18.04 | 18.08 | 18.17 | 18.26 | Inch |
| | Volume | 30.02 | 29.87 | 29.71 | 29.56 | 29.41 | 29.25 | 29.10 | 28.95 | 28.65 | 28.36 | 28.07 | 27.78 | 27.49 | 27.20 | 26.92 | 26.64 | 26.09 | 25.55 | ft^3 |
| | Weight | 77.9 | 155.7 | 234.1 | 311.2 | 388.9 | 466.6 | 544.2 | 621.7 | 776.8 | 931.6 | 1086.3 | 1240.9 | 1395.3 | 1549.5 | 1703.7 | 1857.6 | 2165.1 | 2472.1 | Lbs cs |
| 84" 7' diameter | Max PSI at E=1.00 | 25.5 | 50.9 | 76.6 | 101.9 | 127.3 | 152.8 | 178.2 | 203.6 | 254.5 | 305.3 | 356.1 | 406.9 | 457.6 | 508.3 | 559.0 | 609.7 | 710.9 | 812.1 | PSI |
| | Max PSI at E=0.85 | 21.7 | 43.3 | 65.1 | 86.6 | 108.2 | 129.9 | 151.5 | 173.1 | 216.3 | 259.5 | 302.7 | 345.8 | 389.0 | 432.1 | 475.2 | 518.2 | 604.3 | 690.3 | PSI |
| | Height | 18.96 | 18.98 | 19.00 | 19.02 | 19.04 | 19.06 | 19.08 | 19.10 | 19.14 | 19.18 | 19.22 | 19.26 | 19.31 | 19.35 | 19.39 | 19.44 | 19.52 | 19.61 | Inch |
| | Volume | 37.51 | 37.33 | 37.15 | 36.97 | 36.80 | 36.62 | 36.44 | 36.27 | 35.92 | 35.58 | 35.24 | 34.90 | 34.56 | 34.23 | 33.90 | 33.57 | 32.93 | 32.30 | ft^3 |
| | Weight | 90.3 | 180.6 | 271.5 | 361.0 | 451.1 | 541.2 | 631.2 | 721.2 | 901.0 | 1080.7 | 1260.2 | 1439.6 | 1618.7 | 1797.7 | 1976.6 | 2155.3 | 2512.2 | 2868.6 | Lbs cs |
| 90" 7' 6" diameter | Max PSI at E=1.00 | 23.8 | 47.6 | 71.5 | 95.1 | 118.8 | 142.6 | 166.3 | 190.1 | 237.5 | 285.0 | 332.4 | 379.8 | 427.2 | 474.5 | 521.8 | 569.2 | 663.7 | 758.2 | PSI |
| | Max PSI at E=0.85 | 20.2 | 40.4 | 60.8 | 80.8 | 101.0 | 121.2 | 141.4 | 161.6 | 201.9 | 242.2 | 282.5 | 322.8 | 363.1 | 403.3 | 443.6 | 483.8 | 564.1 | 644.4 | PSI |
| | Height | 20.32 | 20.34 | 20.36 | 20.38 | 20.40 | 20.41 | 20.43 | 20.45 | 20.49 | 20.53 | 20.58 | 20.62 | 20.66 | 20.70 | 20.74 | 20.79 | 20.87 | 20.96 | Inch |
| | Volume | 46.15 | 45.94 | 45.74 | 45.53 | 45.33 | 45.13 | 44.93 | 44.72 | 44.32 | 43.93 | 43.53 | 43.14 | 42.76 | 42.37 | 41.99 | 41.62 | 40.87 | 40.14 | ft^3 |
| | Weight | 103.7 | 207.3 | 311.7 | 414.4 | 517.9 | 621.3 | 724.7 | 828.0 | 1034.5 | 1240.9 | 1447.0 | 1653.0 | 1858.8 | 2064.4 | 2269.8 | 2475.1 | 2885.2 | 3294.6 | Lbs cs |
| 96" 8' diameter | Max PSI at E=1.00 | 22.3 | 44.6 | 67.0 | 89.1 | 111.4 | 133.7 | 155.9 | 178.2 | 222.7 | 267.2 | 311.7 | 356.1 | 400.5 | 444.9 | 489.3 | 533.7 | 622.3 | 710.9 | PSI |
| | Max PSI at E=0.85 | 18.9 | 37.9 | 57.0 | 75.8 | 94.7 | 113.6 | 132.6 | 151.5 | 189.3 | 227.1 | 264.9 | 302.7 | 340.4 | 378.2 | 415.9 | 453.6 | 529.0 | 604.3 | PSI |
| | Height | 21.67 | 21.69 | 21.71 | 21.73 | 21.75 | 21.77 | 21.79 | 21.81 | 21.85 | 21.89 | 21.93 | 21.97 | 22.01 | 22.05 | 22.09 | 22.14 | 22.22 | 22.31 | Inch |
| | Volume | 56.02 | 55.79 | 55.55 | 55.32 | 55.09 | 54.86 | 54.63 | 54.40 | 53.94 | 53.49 | 53.04 | 52.60 | 52.15 | 51.72 | 51.28 | 50.85 | 49.99 | 49.15 | ft^3 |
| | Weight | 118.0 | 235.9 | 354.6 | 471.5 | 589.3 | 706.9 | 824.6 | 942.2 | 1177.2 | 1412.1 | 1646.7 | 1881.1 | 2115.4 | 2349.5 | 2583.3 | 2817.0 | 3283.9 | 3750.0 | Lbs cs |
| 102" 8' 6" diameter | Max PSI at E=1.00 | 21.0 | 42.0 | 63.1 | 83.9 | 104.9 | 125.8 | 146.8 | 167.7 | 209.6 | 251.5 | 293.4 | 335.2 | 377.0 | 418.8 | 460.6 | 502.4 | 585.8 | 669.3 | PSI |
| | Max PSI at E=0.85 | 17.8 | 35.7 | 53.6 | 71.3 | 89.1 | 107.0 | 124.8 | 142.6 | 178.2 | 213.8 | 249.3 | 284.9 | 320.5 | 356.0 | 391.5 | 427.0 | 498.0 | 568.9 | PSI |
| | Height | 23.02 | 23.04 | 23.06 | 23.08 | 23.10 | 23.12 | 23.14 | 23.16 | 23.20 | 23.24 | 23.28 | 23.32 | 23.36 | 23.40 | 23.45 | 23.49 | 23.57 | 23.66 | Inch |
| | Volume | 67.22 | 66.95 | 66.69 | 66.42 | 66.16 | 65.90 | 65.64 | 65.38 | 64.86 | 64.35 | 63.84 | 63.34 | 62.84 | 62.34 | 61.85 | 61.36 | 60.39 | 59.43 | ft^3 |
| | Weight | 133.2 | 266.3 | 400.4 | 532.3 | 665.3 | 798.1 | 931.0 | 1063.7 | 1329.1 | 1594.3 | 1859.3 | 2124.1 | 2388.6 | 2653.0 | 2917.1 | 3181.1 | 3708.4 | 4235.0 | Lbs cs |

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| IKR = 10% of OD, IDR = 80% of OD, thickness as formed, skirt not included | | | | | | | | | | | | | | | | | | Phone: (519)-880-9808 Fax: (519) 880-9810 | | | |
| Head Thickness | | 0.063 | 0.125 | 0.188 | 0.250 | 0.313 | 0.375 | 0.438 | 0.500 | 0.625 | 0.750 | 0.875 | 1.000 | 1.125 | 1.250 | 1.375 | 1.500 | 1.750 | 2.000 | Inch | |
| 108" 9' diameter | Max PSI at E=1.00 | 19.8 | 39.6 | 59.6 | 79.2 | 99.0 | 118.8 | 138.6 | 158.4 | 198.0 | 237.5 | 277.1 | 316.6 | 356.1 | 395.6 | 435.1 | 474.5 | 553.4 | 632.2 | PSI | |
| | Max PSI at E=0.85 | 16.8 | 33.7 | 50.7 | 67.4 | 84.2 | 101.0 | 117.8 | 134.7 | 168.3 | 201.9 | 235.5 | 269.1 | 302.7 | 336.3 | 369.8 | 403.3 | 470.4 | 537.4 | PSI | |
| | Height | 24.38 | 24.40 | 24.42 | 24.44 | 24.45 | 24.47 | 24.49 | 24.51 | 24.55 | 24.59 | 24.63 | 24.67 | 24.72 | 24.76 | 24.80 | 24.84 | 24.93 | 25.01 | Inch | |
| | Volume | 79.81 | 79.51 | 79.21 | 78.92 | 78.62 | 78.33 | 78.04 | 77.75 | 77.17 | 76.59 | 76.02 | 75.45 | 74.89 | 74.33 | 73.77 | 73.22 | 72.13 | 71.05 | ft^3 | |
| | Weight | 149.3 | 298.5 | 448.9 | 596.8 | 745.9 | 894.9 | 1043.8 | 1192.7 | 1490.3 | 1787.6 | 2084.8 | 2381.7 | 2678.4 | 2974.9 | 3271.2 | 3567.3 | 4158.8 | 4749.5 | Lbs cs | |
| 114" 9' 6" diameter | Max PSI at E=1.00 | 18.8 | 37.5 | 56.5 | 75.1 | 93.8 | 112.6 | 131.3 | 150.1 | 187.6 | 225.1 | 262.5 | 300.0 | 337.4 | 374.8 | 412.2 | 449.6 | 524.3 | 599.0 | PSI | |
| | Max PSI at E=0.85 | 16.0 | 31.9 | 48.0 | 63.8 | 79.8 | 95.7 | 111.6 | 127.6 | 159.4 | 191.3 | 223.1 | 255.0 | 286.8 | 318.6 | 350.4 | 382.2 | 445.7 | 509.2 | PSI | |
| | Height | 25.73 | 25.75 | 25.77 | 25.79 | 25.81 | 25.83 | 25.85 | 25.87 | 25.91 | 25.95 | 25.99 | 26.03 | 26.07 | 26.11 | 26.15 | 26.19 | 26.28 | 26.36 | Inch | |
| | Volume | 93.88 | 93.55 | 93.22 | 92.89 | 92.56 | 92.23 | 91.91 | 91.58 | 90.94 | 90.29 | 89.65 | 89.02 | 88.39 | 87.76 | 87.14 | 86.52 | 85.30 | 84.09 | ft^3 | |
| | Weight | 166.3 | 332.6 | 500.2 | 665.0 | 831.1 | 997.1 | 1163.1 | 1329.0 | 1660.6 | 1992.0 | 2323.2 | 2654.1 | 2984.8 | 3315.3 | 3645.5 | 3975.6 | 4634.9 | 5293.5 | Lbs cs | |
| 120" 10' diameter | Max PSI at E=1.00 | 17.8 | 35.7 | 53.6 | 71.3 | 89.1 | 107.0 | 124.8 | 142.6 | 178.2 | 213.8 | 249.4 | 285.0 | 320.5 | 356.1 | 391.6 | 427.2 | 498.2 | 569.2 | PSI | |
| | Max PSI at E=0.85 | 15.2 | 30.3 | 45.6 | 60.6 | 75.8 | 90.9 | 106.1 | 121.2 | 151.5 | 181.7 | 212.0 | 242.2 | 272.5 | 302.7 | 332.9 | 363.1 | 423.5 | 483.8 | PSI | |
| | Height | 27.08 | 27.10 | 27.12 | 27.14 | 27.16 | 27.18 | 27.20 | 27.22 | 27.26 | 27.30 | 27.34 | 27.38 | 27.42 | 27.46 | 27.50 | 27.54 | 27.63 | 27.71 | Inch | |
| | Volume | 109.52 | 109.15 | 108.78 | 108.42 | 108.05 | 107.69 | 107.33 | 106.97 | 106.25 | 105.54 | 104.83 | 104.12 | 103.42 | 102.73 | 102.04 | 101.35 | 99.99 | 98.64 | ft^3 | |
| | Weight | 184.3 | 368.6 | 554.2 | 736.9 | 920.9 | 1104.9 | 1288.8 | 1472.7 | 1840.2 | 2207.5 | 2574.5 | 2941.3 | 3307.8 | 3674.1 | 4040.2 | 4406.0 | 5136.9 | 5866.9 | Lbs cs | |
| 126" 10' 6" diameter | Max PSI at E=1.00 | 17.0 | 34.0 | 51.1 | 67.9 | 84.9 | 101.9 | 118.8 | 135.8 | 169.7 | 203.6 | 237.5 | 271.4 | 305.3 | 339.2 | 373.0 | 406.9 | 474.5 | 542.1 | PSI | |
| | Max PSI at E=0.85 | 14.4 | 28.9 | 43.4 | 57.7 | 72.2 | 86.6 | 101.0 | 115.4 | 144.3 | 173.1 | 201.9 | 230.7 | 259.5 | 288.3 | 317.1 | 345.8 | 403.3 | 460.8 | PSI | |
| | Height | 28.44 | 28.46 | 28.48 | 28.50 | 28.51 | 28.53 | 28.55 | 28.57 | 28.61 | 28.65 | 28.69 | 28.73 | 28.77 | 28.81 | 28.86 | 28.90 | 28.98 | 29.07 | Inch | |
| | Volume | 126.80 | 126.39 | 125.99 | 125.59 | 125.19 | 124.79 | 124.39 | 123.99 | 123.20 | 122.41 | 121.63 | 120.85 | 120.07 | 119.30 | 118.54 | 117.78 | 116.27 | 114.78 | ft^3 | |
| | Weight | 203.2 | 406.3 | 611.0 | 812.4 | 1015.3 | 1218.2 | 1421.0 | 1623.7 | 2029.0 | 2434.0 | 2838.7 | 3243.2 | 3647.4 | 4051.3 | 4455.1 | 4858.5 | 5664.7 | 6469.9 | Lbs cs | |
| 132" 11' diameter | Max PSI at E=1.00 | 16.2 | 32.4 | 48.8 | 64.8 | 81.0 | 97.2 | 113.4 | 129.6 | 162.0 | 194.4 | 226.8 | 259.1 | 291.4 | 323.8 | 356.1 | 388.4 | 453.0 | 517.5 | PSI | |
| | Max PSI at E=0.85 | 13.8 | 27.6 | 41.4 | 55.1 | 68.9 | 82.7 | 96.4 | 110.2 | 137.7 | 165.2 | 192.7 | 220.2 | 247.7 | 275.2 | 302.7 | 330.1 | 385.0 | 439.9 | PSI | |
| | Height | 29.79 | 29.81 | 29.83 | 29.85 | 29.87 | 29.89 | 29.91 | 29.93 | 29.97 | 30.01 | 30.04 | 30.09 | 30.13 | 30.17 | 30.21 | 30.25 | 30.33 | 30.42 | Inch | |
| | Volume | 145.81 | 145.37 | 144.92 | 144.48 | 144.04 | 143.60 | 143.16 | 142.72 | 141.85 | 140.99 | 140.13 | 139.27 | 138.42 | 137.57 | 136.73 | 135.90 | 134.24 | 132.59 | ft^3 | |
| | Weight | 223.0 | 446.0 | 670.6 | 891.7 | 1114.4 | 1337.1 | 1559.6 | 1782.2 | 2227.0 | 2671.5 | 3115.8 | 3559.8 | 4003.6 | 4447.0 | 4890.2 | 5333.2 | 6218.3 | 7102.3 | Lbs cs | |
| 138" 11' 6" diameter | Max PSI at E=1.00 | 15.5 | 31.0 | 46.6 | 62.0 | 77.5 | 93.0 | 108.5 | 124.0 | 155.0 | 185.9 | 216.9 | 247.9 | 278.8 | 309.7 | 340.6 | 371.6 | 433.3 | 495.1 | PSI | |
| | Max PSI at E=0.85 | 13.2 | 26.4 | 39.6 | 52.7 | 65.9 | 79.1 | 92.2 | 105.4 | 131.7 | 158.1 | 184.4 | 210.7 | 237.0 | 263.3 | 289.5 | 315.8 | 368.3 | 420.8 | PSI | |
| | Height | 31.14 | 31.16 | 31.18 | 31.20 | 31.22 | 31.24 | 31.26 | 31.28 | 31.32 | 31.36 | 31.40 | 31.44 | 31.48 | 31.52 | 31.56 | 31.60 | 31.68 | 31.77 | Inch | |
| | Volume | 166.63 | 166.15 | 165.66 | 165.18 | 164.70 | 164.22 | 163.74 | 163.26 | 162.31 | 161.36 | 160.42 | 159.48 | 158.55 | 157.62 | 156.70 | 155.78 | 153.96 | 152.16 | ft^3 | |
| | Weight | 243.8 | 487.4 | 733.0 | 974.6 | 1218.0 | 1461.4 | 1704.7 | 1948.0 | 2434.2 | 2920.2 | 3405.8 | 3891.2 | 4376.3 | 4861.1 | 5345.7 | 5829.9 | 6797.7 | 7764.3 | Lbs cs | |
| 144" 12' diameter | Max PSI at E=1.00 | 14.9 | 29.7 | 44.7 | 59.4 | 74.3 | 89.1 | 104.0 | 118.8 | 148.5 | 178.2 | 207.9 | 237.5 | 267.2 | 296.8 | 326.5 | 356.1 | 415.3 | 474.5 | PSI | |
| | Max PSI at E=0.85 | 12.6 | 25.3 | 38.0 | 50.5 | 63.1 | 75.8 | 88.4 | 101.0 | 126.2 | 151.5 | 176.7 | 201.9 | 227.1 | 252.3 | 277.5 | 302.7 | 353.0 | 403.3 | PSI | |
| | Height | 32.50 | 32.52 | 32.54 | 32.55 | 32.57 | 32.59 | 32.61 | 32.63 | 32.67 | 32.71 | 32.75 | 32.79 | 32.83 | 32.87 | 32.91 | 32.95 | 33.04 | 33.12 | Inch | |
| | Volume | 189.35 | 188.82 | 188.29 | 187.77 | 187.24 | 186.72 | 186.19 | 185.67 | 184.63 | 183.60 | 182.57 | 181.55 | 180.54 | 179.52 | 178.52 | 177.52 | 175.53 | 173.56 | ft^3 | |
| | Weight | 265.4 | 530.8 | 798.1 | 1061.2 | 1326.3 | 1591.3 | 1856.3 | 2121.1 | 2650.7 | 3179.9 | 3708.8 | 4237.4 | 4765.7 | 5293.7 | 5821.4 | 6348.8 | 7402.8 | 8455.7 | Lbs cs | |
| 150" 12' 6" diameter | Max PSI at E=1.00 | 14.3 | 28.5 | 42.9 | 57.1 | 71.3 | 85.6 | 99.8 | 114.1 | 142.6 | 171.1 | 199.6 | 228.1 | 256.5 | 285.0 | 313.4 | 341.9 | 398.7 | 455.6 | PSI | |
| | Max PSI at E=0.85 | 12.1 | 24.3 | 36.5 | 48.5 | 60.6 | 72.7 | 84.9 | 97.0 | 121.2 | 145.4 | 169.6 | 193.8 | 218.0 | 242.2 | 266.4 | 290.6 | 338.9 | 387.2 | PSI | |
| | Height | 33.85 | 33.87 | 33.89 | 33.91 | 33.93 | 33.95 | 33.97 | 33.99 | 34.02 | 34.06 | 34.10 | 34.14 | 34.18 | 34.22 | 34.27 | 34.31 | 34.39 | 34.47 | Inch | |
| | Volume | 214.04 | 213.47 | 212.89 | 212.32 | 211.75 | 211.18 | 210.62 | 210.05 | 208.92 | 207.80 | 206.68 | 205.57 | 204.47 | 203.37 | 202.27 | 201.18 | 199.02 | 196.88 | ft^3 | |
| | Weight | 288.0 | 575.9 | 866.1 | 1151.5 | 1439.2 | 1726.8 | 2014.3 | 2301.7 | 2876.3 | 3450.6 | 4024.6 | 4598.3 | 5171.6 | 5744.7 | 6317.4 | 6889.9 | 8033.9 | 9176.7 | Lbs cs | |

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| S = 20000 | | 80:10 Flanged and Dished Heads | | | | | | | | | | | | | | | | | © 2003 Pressure Vessel Engineering Ltd. | | www.pveng.com | |
|---|-------------------|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---|--------|--|--|
| IKR = 10% of OD, IDR = 80% of OD, thickness as formed, skirt not included | | | | | | | | | | | | | | | | | | | Phone: (519)-880-9808 Fax: (519) 880-9810 | | | |
| Head Thickness | | 0.063 | 0.125 | 0.188 | 0.250 | 0.313 | 0.375 | 0.438 | 0.500 | 0.625 | 0.750 | 0.875 | 1.000 | 1.125 | 1.250 | 1.375 | 1.500 | 1.750 | 2.000 | Inch | | |
| 156" 13' diameter | Max PSI at E=1.00 | 13.7 | 27.4 | 41.3 | 54.9 | 68.6 | 82.3 | 96.0 | 109.7 | 137.1 | 164.5 | 191.9 | 219.3 | 246.7 | 274.0 | 301.4 | 328.8 | 383.4 | 438.1 | PSI | | |
| | Max PSI at E=0.85 | 11.7 | 23.3 | 35.1 | 46.6 | 58.3 | 69.9 | 81.6 | 93.2 | 116.5 | 139.8 | 163.1 | 186.4 | 209.7 | 232.9 | 256.2 | 279.4 | 325.9 | 372.4 | PSI | | |
| | Height | 35.20 | 35.22 | 35.24 | 35.26 | 35.28 | 35.30 | 35.32 | 35.34 | 35.38 | 35.42 | 35.46 | 35.50 | 35.54 | 35.58 | 35.62 | 35.66 | 35.74 | 35.82 | Inch | | |
| | Volume | 240.79 | 240.17 | 239.55 | 238.93 | 238.32 | 237.70 | 237.09 | 236.47 | 235.25 | 234.04 | 232.83 | 231.63 | 230.43 | 229.24 | 228.05 | 226.87 | 224.53 | 222.20 | ft^3 | | |
| | Weight | 311.5 | 622.9 | 936.7 | 1245.5 | 1556.7 | 1867.7 | 2178.7 | 2489.6 | 3111.2 | 3732.4 | 4353.3 | 4973.9 | 5594.2 | 6214.1 | 6833.7 | 7453.0 | 8690.7 | 9927.1 | Lbs cs | | |
| 162" 13' 6" diameter | Max PSI at E=1.00 | 13.2 | 26.4 | 39.7 | 52.8 | 66.0 | 79.2 | 92.4 | 105.6 | 132.0 | 158.4 | 184.8 | 211.2 | 237.5 | 263.9 | 290.3 | 316.6 | 369.3 | 421.9 | PSI | | |
| | Max PSI at E=0.85 | 11.2 | 22.5 | 33.8 | 44.9 | 56.1 | 67.4 | 78.6 | 89.8 | 112.2 | 134.7 | 157.1 | 179.5 | 201.9 | 224.3 | 246.7 | 269.1 | 313.9 | 358.6 | PSI | | |
| | Height | 36.56 | 36.58 | 36.60 | 36.61 | 36.63 | 36.65 | 36.67 | 36.69 | 36.73 | 36.77 | 36.81 | 36.85 | 36.89 | 36.93 | 36.97 | 37.01 | 37.09 | 37.18 | Inch | | |
| | Volume | 269.68 | 269.01 | 268.34 | 267.68 | 267.01 | 266.35 | 265.69 | 265.03 | 263.71 | 262.40 | 261.09 | 259.79 | 258.50 | 257.21 | 255.93 | 254.65 | 252.12 | 249.61 | ft^3 | | |
| | Weight | 335.9 | 671.8 | 1010.2 | 1343.2 | 1678.7 | 2014.2 | 2349.6 | 2684.9 | 3355.3 | 4025.3 | 4695.0 | 5364.3 | 6033.3 | 6701.9 | 7370.3 | 8038.3 | 9373.3 | 10707.0 | Lbs cs | | |
| 168" 14' diameter | Max PSI at E=1.00 | 12.7 | 25.5 | 38.3 | 50.9 | 63.7 | 76.4 | 89.1 | 101.9 | 127.3 | 152.8 | 178.2 | 203.6 | 229.1 | 254.5 | 279.9 | 305.3 | 356.1 | 406.9 | PSI | | |
| | Max PSI at E=0.85 | 10.8 | 21.7 | 32.6 | 43.3 | 54.1 | 65.0 | 75.8 | 86.6 | 108.2 | 129.9 | 151.5 | 173.1 | 194.7 | 216.3 | 237.9 | 259.5 | 302.7 | 345.8 | PSI | | |
| | Height | 37.91 | 37.93 | 37.95 | 37.97 | 37.99 | 38.01 | 38.03 | 38.05 | 38.08 | 38.12 | 38.16 | 38.20 | 38.24 | 38.28 | 38.32 | 38.36 | 38.45 | 38.53 | Inch | | |
| | Volume | 300.80 | 300.08 | 299.35 | 298.64 | 297.93 | 297.21 | 296.50 | 295.79 | 294.37 | 292.96 | 291.55 | 290.15 | 288.76 | 287.37 | 285.99 | 284.62 | 281.89 | 279.18 | ft^3 | | |
| | Weight | 361.3 | 722.5 | 1086.4 | 1444.5 | 1805.4 | 2166.2 | 2527.0 | 2887.6 | 3608.6 | 4329.2 | 5049.5 | 5769.4 | 6489.0 | 7208.2 | 7927.1 | 8645.7 | 10081.7 | 11516.5 | Lbs cs | | |
| 174" 14' 6" diameter | Max PSI at E=1.00 | 12.3 | 24.6 | 37.0 | 49.2 | 61.5 | 73.8 | 86.1 | 98.4 | 122.9 | 147.5 | 172.1 | 196.6 | 221.2 | 245.7 | 270.3 | 294.8 | 343.8 | 392.9 | PSI | | |
| | Max PSI at E=0.85 | 10.5 | 20.9 | 31.4 | 41.8 | 52.3 | 62.7 | 73.2 | 83.6 | 104.5 | 125.4 | 146.3 | 167.1 | 188.0 | 208.9 | 229.7 | 250.6 | 292.3 | 333.9 | PSI | | |
| | Height | 39.26 | 39.28 | 39.30 | 39.32 | 39.34 | 39.36 | 39.38 | 39.40 | 39.44 | 39.48 | 39.52 | 39.56 | 39.60 | 39.64 | 39.68 | 39.72 | 39.80 | 39.88 | Inch | | |
| | Volume | 334.22 | 333.45 | 332.67 | 331.91 | 331.14 | 330.37 | 329.61 | 328.84 | 327.32 | 325.80 | 324.30 | 322.79 | 321.30 | 319.81 | 318.32 | 316.85 | 313.91 | 311.00 | ft^3 | | |
| | Weight | 387.5 | 775.0 | 1165.4 | 1549.6 | 1936.7 | 2323.8 | 2710.8 | 3097.7 | 3871.1 | 4644.2 | 5417.0 | 6189.3 | 6961.3 | 7733.0 | 8504.2 | 9275.2 | 10816.0 | 12355.4 | Lbs cs | | |
| 180" 15' diameter | Max PSI at E=1.00 | 11.9 | 23.8 | 35.8 | 47.6 | 59.4 | 71.3 | 83.2 | 95.1 | 118.8 | 142.6 | 166.3 | 190.1 | 213.8 | 237.5 | 261.3 | 285.0 | 332.4 | 379.8 | PSI | | |
| | Max PSI at E=0.85 | 10.1 | 20.2 | 30.4 | 40.4 | 50.5 | 60.6 | 70.7 | 80.8 | 101.0 | 121.2 | 141.4 | 161.6 | 181.7 | 201.9 | 222.1 | 242.2 | 282.5 | 322.8 | PSI | | |
| | Height | 40.62 | 40.64 | 40.66 | 40.67 | 40.69 | 40.71 | 40.73 | 40.75 | 40.79 | 40.83 | 40.87 | 40.91 | 40.95 | 40.99 | 41.03 | 41.07 | 41.15 | 41.23 | Inch | | |
| | Volume | 370.03 | 369.20 | 368.37 | 367.55 | 366.73 | 365.91 | 365.09 | 364.27 | 362.64 | 361.02 | 359.40 | 357.79 | 356.19 | 354.59 | 353.00 | 351.42 | 348.27 | 345.15 | ft^3 | | |
| | Weight | 414.7 | 829.4 | 1247.2 | 1658.3 | 2072.7 | 2486.9 | 2901.0 | 3315.1 | 4142.9 | 4970.3 | 5797.3 | 6623.9 | 7450.2 | 8276.1 | 9101.6 | 9926.8 | 11576.0 | 13223.8 | Lbs cs | | |
| 186" 15' 6" diameter | Max PSI at E=1.00 | 11.5 | 23.0 | 34.6 | 46.0 | 57.5 | 69.0 | 80.5 | 92.0 | 115.0 | 138.0 | 161.0 | 184.0 | 206.9 | 229.9 | 252.8 | 275.8 | 321.7 | 367.6 | PSI | | |
| | Max PSI at E=0.85 | 9.8 | 19.6 | 29.4 | 39.1 | 48.9 | 58.7 | 68.4 | 78.2 | 97.8 | 117.3 | 136.8 | 156.4 | 175.9 | 195.4 | 214.9 | 234.4 | 273.4 | 312.4 | PSI | | |
| | Height | 41.97 | 41.99 | 42.01 | 42.03 | 42.05 | 42.07 | 42.09 | 42.10 | 42.14 | 42.18 | 42.22 | 42.26 | 42.30 | 42.34 | 42.38 | 42.42 | 42.50 | 42.59 | Inch | | |
| | Volume | 408.31 | 407.42 | 406.54 | 405.66 | 404.78 | 403.91 | 403.03 | 402.16 | 400.42 | 398.68 | 396.96 | 395.24 | 393.52 | 391.82 | 390.12 | 388.42 | 385.06 | 381.72 | ft^3 | | |
| | Weight | 442.8 | 885.6 | 1331.8 | 1770.7 | 2213.2 | 2655.5 | 3097.7 | 3539.9 | 4423.8 | 5307.4 | 6190.6 | 7073.3 | 7955.7 | 8837.7 | 9719.3 | 10600.6 | 12361.9 | 14121.7 | Lbs cs | | |
| 192" 16' diameter | Max PSI at E=1.00 | 11.1 | 22.3 | 33.5 | 44.6 | 55.7 | 66.9 | 78.0 | 89.1 | 111.4 | 133.7 | 155.9 | 178.2 | 200.5 | 222.7 | 245.0 | 267.2 | 311.7 | 356.1 | PSI | | |
| | Max PSI at E=0.85 | 9.5 | 18.9 | 28.5 | 37.9 | 47.4 | 56.8 | 66.3 | 75.8 | 94.7 | 113.6 | 132.6 | 151.5 | 170.4 | 189.3 | 208.2 | 227.1 | 264.9 | 302.7 | PSI | | |
| | Height | 43.32 | 43.34 | 43.36 | 43.38 | 43.40 | 43.42 | 43.44 | 43.46 | 43.50 | 43.54 | 43.58 | 43.61 | 43.65 | 43.69 | 43.73 | 43.77 | 43.86 | 43.94 | Inch | | |
| | Volume | 449.14 | 448.20 | 447.25 | 446.32 | 445.39 | 444.45 | 443.52 | 442.59 | 440.73 | 438.88 | 437.04 | 435.20 | 433.38 | 431.56 | 429.74 | 427.93 | 424.34 | 420.78 | ft^3 | | |
| | Weight | 471.9 | 943.6 | 1419.1 | 1886.9 | 2358.3 | 2829.7 | 3300.9 | 3772.0 | 4714.0 | 5655.6 | 6596.7 | 7537.5 | 8477.8 | 9417.7 | 10357.3 | 11296.4 | 13173.5 | 15049.1 | Lbs cs | | |
| 198" 16' 6" diameter | Max PSI at E=1.00 | 10.8 | 21.6 | 32.5 | 43.2 | 54.0 | 64.8 | 75.6 | 86.4 | 108.0 | 129.6 | 151.2 | 172.8 | 194.4 | 216.0 | 237.5 | 259.1 | 302.2 | 345.3 | PSI | | |
| | Max PSI at E=0.85 | 9.2 | 18.4 | 27.6 | 36.7 | 45.9 | 55.1 | 64.3 | 73.5 | 91.8 | 110.2 | 128.5 | 146.9 | 165.2 | 183.6 | 201.9 | 220.2 | 256.9 | 293.5 | PSI | | |
| | Height | 44.68 | 44.70 | 44.71 | 44.73 | 44.75 | 44.77 | 44.79 | 44.81 | 44.85 | 44.89 | 44.93 | 44.97 | 45.01 | 45.05 | 45.09 | 45.13 | 45.21 | 45.29 | Inch | | |
| | Volume | 492.61 | 491.61 | 490.60 | 489.61 | 488.61 | 487.62 | 486.63 | 485.64 | 483.66 | 481.69 | 479.73 | 477.78 | 475.83 | 473.90 | 471.96 | 470.04 | 466.21 | 462.42 | ft^3 | | |
| | Weight | 501.8 | 1003.5 | 1509.2 | 2006.7 | 2508.0 | 3009.3 | 3510.5 | 4011.6 | 5013.4 | 6014.8 | 7015.8 | 8016.3 | 9016.5 | 10016.2 | 11015.5 | 12014.4 | 14011.0 | 16006.0 | Lbs cs | | |

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