

Municipal and Industrial Sizing Chart - HDPE

| HDPE - IPS Sizing | | DR 7 | | | DR 9 | | | DR 11 | | | DR 13.5 | | |
|-------------------|-----------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| Pressure Class | | 335 psi | | | 250 psi | | | 200 psi | | | 160 psi | | |
| Pipe Size | Actual OD | Min. Wall | Avg. ID | Weight | Min. Wall | Avg. ID | Weight | Min. Wall | Avg. ID | Weight | Min. Wall | Avg. ID | Weight |
| in. | in. | in. | in. | lb/ft | in. | in. | lb/ft | in. | in. | lb/ft | in. | in. | lb/ft |
| 3/4 | 1.05 | 0.150 | 0.732 | 0.19 | 0.117 | 0.803 | 0.15 | 0.095 | 0.848 | 0.13 | 0.078 | 0.885 | 0.10 |
| 1 | 1.315 | 0.188 | 0.917 | 0.29 | 0.146 | 1.005 | 0.23 | 0.120 | 1.062 | 0.20 | 0.097 | 1.108 | 0.16 |
| 1 1/4 | 1.66 | 0.237 | 1.157 | 0.46 | 0.184 | 1.269 | 0.37 | 0.151 | 1.340 | 0.31 | 0.123 | 1.399 | 0.26 |
| 1 1/2 | 1.9 | 0.271 | 1.325 | 0.61 | 0.211 | 1.452 | 0.49 | 0.173 | 1.534 | 0.41 | 0.141 | 1.602 | 0.34 |
| 2 | 2.375 | 0.339 | 1.656 | 0.95 | 0.264 | 1.816 | 0.77 | 0.216 | 1.917 | 0.64 | 0.176 | 2.002 | 0.53 |
| 3 | 3.50 | 0.500 | 2.440 | 2.06 | 0.389 | 2.676 | 1.66 | 0.318 | 2.825 | 1.39 | 0.259 | 2.950 | 1.16 |
| 4 | 4.50 | 0.643 | 3.137 | 3.40 | 0.500 | 3.440 | 2.75 | 0.409 | 3.633 | 2.31 | 0.333 | 3.793 | 1.92 |
| 6 | 6.63 | 0.947 | 4.622 | 7.39 | 0.737 | 5.068 | 5.97 | 0.603 | 5.352 | 5.00 | 0.491 | 5.589 | 4.16 |
| 8 | 8.63 | 1.233 | 6.016 | 12.51 | 0.959 | 6.597 | 10.12 | 0.785 | 6.967 | 8.48 | 0.639 | 7.275 | 7.05 |
| 10 | 10.75 | 1.536 | 7.494 | 19.42 | 1.194 | 8.218 | 15.70 | 0.977 | 8.678 | 13.16 | 0.796 | 9.062 | 10.93 |
| 12 | 12.75 | 1.821 | 8.889 | 27.31 | 1.417 | 9.747 | 22.08 | 1.159 | 10.293 | 18.51 | 0.944 | 10.748 | 15.38 |
| 14 | 14.00 | 2.000 | 9.760 | 32.93 | 1.556 | 10.702 | 26.63 | 1.273 | 11.302 | 22.32 | 1.037 | 11.801 | 18.54 |
| 16 | 16.00 | 2.286 | 11.154 | 43.01 | 1.778 | 12.231 | 34.78 | 1.455 | 12.916 | 29.15 | 1.185 | 13.487 | 24.22 |
| 18 | 18.00 | 2.571 | 12.549 | 54.43 | 2.000 | 13.760 | 44.02 | 1.636 | 14.531 | 36.89 | 1.333 | 15.173 | 30.65 |
| 20 | 20.00 | 2.857 | 13.943 | 67.20 | 2.222 | 15.289 | 54.34 | 1.818 | 16.145 | 45.54 | 1.481 | 16.859 | 37.84 |
| 22 | 22.00 | 3.143 | 15.337 | 81.32 | 2.444 | 16.818 | 65.75 | 2.000 | 17.760 | 55.10 | 1.630 | 18.545 | 45.79 |
| 24 | 24.00 | 3.429 | 16.731 | 96.77 | 2.667 | 18.347 | 78.25 | 2.182 | 19.375 | 65.58 | 1.778 | 20.231 | 54.49 |
| 26 | 26.00 | 3.714 | 18.126 | 113.57 | 2.889 | 19.876 | 91.84 | 2.364 | 20.989 | 76.96 | 1.926 | 21.917 | 63.95 |
| 28 | 28.00 | 4.000 | 19.520 | 131.72 | 3.111 | 21.404 | 106.51 | 2.545 | 22.604 | 89.26 | 2.074 | 23.603 | 74.17 |
| 30 | 30.00 | | | | 3.333 | 22.933 | 122.27 | 2.727 | 24.218 | 102.47 | 2.222 | 25.289 | 85.14 |
| 32 | 32.00 | | | | 3.556 | 24.462 | 139.12 | 2.909 | 25.833 | 116.58 | 2.370 | 26.975 | 96.87 |
| 34 | 34.00 | | | | 3.778 | 25.991 | 157.05 | 3.091 | 27.447 | 131.61 | 2.519 | 28.661 | 109.36 |
| 36 | 36.00 | | | | 4.000 | 27.520 | 176.07 | 3.273 | 29.062 | 147.55 | 2.667 | 30.347 | 122.60 |
| 42 | 42.00 | | | | | | | 3.818 | 33.905 | 200.84 | 3.111 | 35.404 | 166.88 |
| 48 | 48.00 | | | | | | | | | | 3.556 | 40.462 | 217.96 |

Pipe sizing per ASTM F714 (> 4") and ASTM D3035 (≤ 3"). Pressure Class calculations based on Water applications at 73F. Average ID is approximate. Weights calculated based on PPI TR-7.

Municipal and Industrial Sizing Chart - HDPE

| HDPE - IPS Sizing | | DR 17 | | | DR 21 | | | DR 26 | | | DR 32.5 | | |
|-------------------|-----------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| Pressure Class | | 125 psi | | | 100 psi | | | 80 psi | | | 63 psi | | |
| Pipe Size | Actual OD | Min. Wall | Avg. ID | Weight | Min. Wall | Avg. ID | Weight | Min. Wall | Avg. ID | Weight | Min. Wall | Avg. ID | Weight |
| in. | in. | in. | in. | lb/ft | in. | in. | lb/ft | in. | in. | lb/ft | in. | in. | lb/ft |
| 2 | 2.375 | 0.140 | 2.079 | 0.43 | | | | | | | | | |
| 3 | 3.50 | 0.206 | 3.064 | 0.94 | 0.167 | 3.147 | 0.77 | | | | | | |
| 4 | 4.50 | 0.265 | 3.939 | 1.55 | 0.214 | 4.046 | 1.27 | 0.173 | 4.133 | 1.04 | 0.138 | 4.206 | 0.84 |
| 6 | 6.63 | 0.390 | 5.803 | 3.36 | 0.316 | 5.961 | 2.75 | 0.255 | 6.089 | 2.25 | 0.204 | 6.198 | 1.81 |
| 8 | 8.63 | 0.508 | 7.554 | 5.69 | 0.411 | 7.759 | 4.67 | 0.332 | 7.926 | 3.81 | 0.266 | 8.067 | 3.07 |
| 10 | 10.75 | 0.632 | 9.409 | 8.83 | 0.512 | 9.665 | 7.24 | 0.413 | 9.873 | 5.91 | 0.331 | 10.049 | 4.77 |
| 12 | 12.75 | 0.750 | 11.160 | 12.43 | 0.607 | 11.463 | 10.19 | 0.490 | 11.710 | 8.31 | 0.392 | 11.918 | 6.71 |
| 14 | 14.00 | 0.824 | 12.254 | 14.98 | 0.667 | 12.587 | 12.28 | 0.538 | 12.858 | 10.02 | 0.431 | 13.087 | 8.09 |
| 16 | 16.00 | 0.941 | 14.005 | 19.57 | 0.762 | 14.385 | 16.04 | 0.615 | 14.695 | 13.09 | 0.492 | 14.956 | 10.56 |
| 18 | 18.00 | 1.059 | 15.755 | 24.77 | 0.857 | 16.183 | 20.30 | 0.692 | 16.532 | 16.57 | 0.554 | 16.826 | 13.37 |
| 20 | 20.00 | 1.176 | 17.506 | 30.58 | 0.952 | 17.981 | 25.07 | 0.769 | 18.369 | 20.45 | 0.615 | 18.695 | 16.50 |
| 22 | 22.00 | 1.294 | 19.256 | 37.00 | 1.048 | 19.779 | 30.33 | 0.846 | 20.206 | 24.75 | 0.677 | 20.565 | 19.97 |
| 24 | 24.00 | 1.412 | 21.007 | 44.03 | 1.143 | 21.577 | 36.10 | 0.923 | 22.043 | 29.45 | 0.738 | 22.434 | 23.76 |
| 26 | 26.00 | 1.529 | 22.758 | 51.67 | 1.238 | 23.375 | 42.36 | 1.000 | 23.880 | 34.57 | 0.800 | 24.304 | 27.89 |
| 28 | 28.00 | 1.647 | 24.508 | 59.93 | 1.333 | 25.173 | 49.13 | 1.077 | 25.717 | 40.09 | 0.862 | 26.174 | 32.34 |
| 30 | 30.00 | 1.765 | 26.259 | 68.80 | 1.429 | 26.971 | 56.40 | 1.154 | 27.554 | 46.02 | 0.923 | 28.043 | 37.13 |
| 32 | 32.00 | 1.882 | 28.009 | 78.28 | 1.524 | 28.770 | 64.17 | 1.231 | 29.391 | 52.36 | 0.985 | 29.913 | 42.24 |
| 34 | 34.00 | 2.000 | 29.760 | 88.37 | 1.619 | 30.568 | 72.44 | 1.308 | 31.228 | 59.11 | 1.046 | 31.782 | 47.69 |
| 36 | 36.00 | 2.118 | 31.511 | 99.07 | 1.714 | 32.366 | 81.21 | 1.385 | 33.065 | 66.27 | 1.108 | 33.652 | 53.46 |
| 42 | 42.00 | 2.471 | 36.762 | 134.84 | 2.000 | 37.760 | 110.54 | 1.615 | 38.575 | 90.20 | 1.292 | 39.260 | 72.77 |
| 48 | 48.00 | 2.824 | 42.014 | 176.12 | 2.286 | 43.154 | 144.38 | 1.846 | 44.086 | 117.81 | 1.477 | 44.869 | 95.05 |
| 54 | 54.00 | 3.176 | 47.266 | 222.90 | 2.571 | 48.549 | 182.73 | 2.077 | 49.597 | 149.10 | 1.662 | 50.478 | 120.29 |
| 63 | 63.00 | | | | 3.000 | 56.640 | 248.72 | 2.423 | 57.863 | 202.94 | 1.938 | 58.890 | 163.73 |

Pipe sizing per ASTM F714 (> 4") and ASTM D3035 (≤ 3"). Pressure Class calculations based on Water applications at 73F. Average ID is approximate. Weights calculated based on PPI TR-7.