

**Fire Protection Water Tanks – Aboveground, Vertical, Bottom Drain**

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| ***Design Data:*** |  | ***Standard Specs:*** |
| **Operating Pressure:** | Atmospheric | Flange with internal anti-vortex plate per NFPA 22 |
| **Specific Gravity:** | 1.0 | Flange - vent |
| **Tank Material:** | Mild carbon steel | 24” x ¼” Plate Tight Bolt Manway with 1/8” thick NEO-cork gasket |
| **Construction:** | Lap weld inside and outside | 4’ FNPT connection |
| **Tank Test:** | 2 PSIG | Standard HTM external ladder painted Safety Yellow |
| **Internal Finish:** | SSPC SO10 blast, HighDRO-Liner Plus for NFPA 22 applications | Standard HTM Safety Cage painted Safety Yellow  *(not included on 3,000 gal tank)* |
| **External Finish:** | SSPC SP6 blast, white urethane paint, or other to be specified | Standard HTM internal ladder |
|  |  | 24” CLOSE BOLT Manway with 1/8” thick NEO-cork gasket |
|  |  | Flange – overflow |

**Standard Sizes - Fire Protection Tanks**

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| **Diameter**  (feet) | **Height**  (feet) | **Capacity**  (gallons) | **Construction** | **Thickness** | | |
| **Top** | **Bottom** | **Shell** |
| 8’ | 8’ | 3,000 | Single Wall | 7 ga,  shallow slope | ¼” Flat | 7 ga |
| 8’ | 13’4” | 5,000 | Single Wall | 7 ga,  shallow slope | ¼” Flat | 7 ga |
| 10’ | 14’ | 8,000 | Single Wall | 7 ga,  shallow slope | ¼” Flat | ¼” |
| 10’ | 17’ | 10,000 | Single Wall | 7 ga,  Shallow coned | ¼” Flat | ¼” |
| 10’ | 20’6” | 12,000 | Single Wall | 7 ga,  Shallow coned | ¼” Flat | ¼” |
| 10 | 25’6” | 15,000 | Single Wall | 7 ga,  Shallow coned | ¼” Flat | ¼” |
| 10’ | 34’ | 20,000 | Single Wall | 7 ga,  Shallow coned | ¼” Flat | ¼” |
| 10’6” | 31’ | 20,000 | Single Wall | 7 ga,  Shallow coned | ¼” Flat | ¼” |
| 12’ | 29’8” | 25,000 | Single Wall | Shallow coned  Top Head 7 ga | Flat Bottom Head ¼” | ¼” |
| 12’ | 35’6” | 30,000 | Single Wall | Shallow coned  Top Head 7 ga | Flat Bottom Head ¼” | ¼” |
| 12’ | 47’6” | 40,000 | Single Wall | Shallow coned  Top Head 7 ga | Flat Bottom Head ¼” | ¼” |
| 12’6” | 43’8” | 40,000 | Single Wall |  |  |  |
| 13’ | 40’4” | 40,000 | Single Wall |  |  |  |
| 13’ | 50’ | 49,500 | Single Wall |  |  |  |

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| 9332 North 95th Way  Scottsdale, AZ 85258  ***Phone:480-998-4097***  [sales@apewater.com](mailto:sales@apewater.com) |  |