

**Wastewater Storage Tanks – Underground, DOUBLE Wall**

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| ***Design Data:*** |  | ***Standard Specs:*** |
| **Operating Pressure:** | Atmospheric | 4’ Fitting |
| **Tank Material:** | Mild carbon steel | Flange – Inlet |
| **Construction:** | INNER TANK: Flat Flanged, Heads Lap weld Interior & ExteriorOUTER TANK: Lap weld outside only | Flange – Primary vent |
| Flange – Secondary vent |
| **Tank Test:** | Inner - 5 PSIGOuter – 2 PSIG and Full Vacuum | TWO 24” Tight Bolt Manway with 1/8” NEO-cork gasket material and bolt-on extension.  |
| **Internal Finish:** | SP10 blast, HighDRO-Liner Plus | Internal access ladder. |
| **External Finish:** | SP6 blast, 75 mils polyurethane  | 4” Flange fitting with 4” schedule 40 drop pipe |
|  |  | 2” Full coupling (electrical connection) |
|  |  | 2” Internal monitor pipe |
|  |  | Stiffener (on 50,000 gal) 5/16” x 1 ½” x 6” |

**Standard Sizes - Fire Protection Tanks**

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| --- | --- | --- | --- | --- |
| **Diameter**(feet) | **Length**(feet) | **Capacity**(gallons) | **Thickness INNER** | **Thickness OUTER**  |
| Heads | Shell | Heads | Shell |
| 5’4” | 12’ | 2,000 | 7 ga | 7 ga | 10 ga | 10 ga |
| 5’4” | 15’ | 2,500 | 7 ga | 7 ga | 10 ga | 10 ga |
| 5’4” | 18’ | 3,000 | 7 ga | 7 ga | 10 ga | 10 ga |
| 5’4” | 24’ | 4,000 | 7 ga | 7 ga | 10 ga | 10 ga |
| 6’ | 19’ | 4,000 | 7 ga | 7 ga | 7 ga | 10 ga |
| 8’ | 10’8” | 4,000 | ¼” ga | 7 ga | 7 ga | 10 ga |
| 6’ | 23’10” | 5,000 | 7 ga | 7 ga | 7 ga | 10 ga |
| 8’ | 13’4” | 5,000 | ¼ ga | 7 ga | 7 ga | 10 ga |
| 6’ | 28’ 8” | 6,000 | 7 ga | 7 ga | 7 ga | 10 ga |
| 8’ | 16’ | 6,000 | ¼ ga | 7 ga | 7 ga | 10 ga |
| 10’ | 14’ | 8,000 | ¼ ga | ¼” | ¼” | 10 ga |
| 8’ | 21’4” | 8,000 | ¼ ga | ¼” | 7 ga | 10 ga |
| 10’ | 17’ | 10,000 | ¼ ga | ¼” | ¼” | 10 ga |
| 8’ | 26’8” | 10,000 | ¼ ga | ¼” | 7 ga | 10 ga |
| 10’ | 20’6” | 12,000 | ¼ ga | ¼” | ¼” | 10 ga |
| 8’ | 32’ | 12,000 | ¼ ga | ¼” | 7 ga | 10 ga |
| 10’ | 25’6” | 15,000 | ¼ ga | ¼” | ¼” | 10 ga |
| 8’ | 40’ | 15,000 | ¼ ga | ¼” | 7 ga | 10 ga |
| 10’ | 34’ | 20,000 | ¼ ga | 5/16” | ¼” | 10 ga |
| 10’6” | 31’ | 20,000 | ¼ ga | 5/16” | ¼” | 10 ga |
| 10’6” | 38’9” | 25,000 | ¼ ga | 3/8” | ¼” | 10 ga |
| 10’ | 42’6” | 25,000 | ¼ ga | 3/8” | ¼” | 10 ga |
| 10’6” | 46’6” | 30,000 | ¼ ga | 3/8” | ¼” | 10 ga |
| 10’ | 51’2” | 30,000 | ¼ ga | 3/8” | ¼” | 10 ga |
| 12’ | 47’6” | 40,000 | 5/16” | 7/16” | ¼” | 10 ga |
| 12’ | 59’6” | 50,000  | 5/16” | 3/8” | ¼” | 10 ga |



**Wastewater Storage Tanks – Underground, Single Wall**

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| ***Design Data:*** |  | ***Standard Specs:*** |
| **Operating Pressure:** | Atmospheric | Flange - Inlet |
| **Tank Material:** | Mild carbon steel | Flange - vent |
| **Construction:** | Flat Flanged Heads, Lap weld all exterior seams only | 4’ Fitting |
| **Tank Test:** | 5 PSIG | 24” Tight Bolt Manway with 1/8” NEO-cork gasket material and bolt-on extension.  |
| **Internal Finish:** | SP10 blast, HighDRO-Liner Plus | Internal access ladder. |
| **External Finish:** | SP6 blast, 75 mils polyurethane  | 4” Flange fitting with 4” schedule 40 drop pipe |
|  |  | Stiffener (on 50,000 gal) 5/16” x 1 ½” x 6” |

**Standard Sizes - Fire Protection Tanks**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Diameter**(feet) | **Length**(feet) | **Capacity**(gallons) | **# of 24” Manways** | **Thickness**  |
| **Heads** | **Shell** |
| 5’4” | 6’ | 1,000 | 1 | 7 ga | 7 ga |
| 5’4” | 9’ | 1,500 | 1 | 7 ga | 7 ga |
| 5’4” | 12’ | 2,000 | 1 | 7 ga | 7 ga |
| 5’4” | 15’ | 2,500 | 1 | 7 ga | 7 ga |
| 5’4” | 18’ | 3,000 | 1 | 7 ga | 7 ga |
| 5’4” | 24’ | 4,000 | 1 | 7 ga | 7 ga |
| 6’ | 19’ | 4,000 | 2 | 7 ga | 7 ga |
| 8’ | 10’8” | 4,000 | 2 | ¼” | 7 ga |
| 6’ | 23’10” | 5,000 | 2 | 7 ga | .187” |
| 8’ | 13’4” | 5,000 | 2 | ¼” | 7 ga |
| 6’ | 28’ 10” | 6,000 | 2 | 7 ga | .187” |
| 8’ | 16’ | 6,000 | 2 | ¼” | .187” |
| 10’ | 14’ | 8,000 | 2 | ¼” | .255” |
| 8’ | 21’4” | 8,000 | 2 | ¼” | .225 |
| 10’ | 17’ | 10,000 | 2 | ¼” | .225 |
| 8’ | 26’8” | 10,000 | 2 | ¼” | .225 |
| 10’ | 20’6” | 12,000 | 2 | ¼” | ¼” |
| 8’ | 32’ | 12,000 | 2 | ¼” | ¼” |
| 10’ | 25’6” | 15,000 | 2 | 5/16” | 5/16” |
| 8’ | 40’ | 15,000 | 2 | 5/16” | 5/16” |
| 10’ | 34’ | 20,000 | 2 | ¼” | 5/16” |
| 10’6” | 31’ | 20,000 | 2 | ¼” | 5/16” |
| 10’6” | 38’9” | 25,000 | 2 | ¼” | 3/8” |
| 10’6” | 46’6” | 30,000 | 2 | ¼” | 3/8” |
| 12’ | 47’6” | 40,000 | 2 | 5/16” | ½” |
| 12’ | 59’6” | 50,000 | 2 | 5/16” | 3/8” |

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