Highland Tank | count on our products. trust in our people.

highDRO water tanks

potable water tanks

HT-1128

PRODUCT DETAILS

HighDRO® Potable Water Tanks (HD-PWT) are an effective and economical way to store potable water for residential, commercial, institutional and industrial installations. These factory-welded and coated carbon steel water tanks are pressure tested for tightness to ensure the quality and dependability of the water supply.

The high-strength, impermeable steel shell combines with our HighDRO®-Liner Plus polymer composite water storage liner to provide a flexible, long-lasting tank system.

Highland Tank manufactures HD-PWT for all types of domestic water supplies, such as well water, city-supplied water or delivered water for:

- Schools
- Prisons
- Rest Areas
- Hospitals
- Resorts
- Campgrounds
- Rural Developments
- Livestock Feed Stations
- Emergency Water Supplies

HD-PWT are constructed to the highest standards to ensure a safe, contamination free environment. NSF, UL and AWWA compliant protective linings and coatings are factory applied and form a hard, inert barrier for both the interior and exterior surfaces of the tank to prevent corrosion.

Our interior liner complies with NSF/ANSI 61 Drinking Water System Components – Health Effects for the safe storage of potable water – the nationally recognized standard for all devices, components and materials that contact drinking water.

Orientation:
Vertical or Horizontal

Installation:
- Aboveground or Underground

Volumes:
- 185 to 57,500 gallons; multiple HighDRO® Tanks may be interconnected to increase storage volume above 60,000 gallons

Diameter:
- 3'-2" to 14'-0"

Length:
- Up to 90'-0"

Maximum Weight:
- 80 Tons

Material:
- Carbon Steel

Head Design:
- Flat are standard
- Flanged and dished, or cone (vertical only) also available

Penetrations:
- Threaded full couplings - up to 4" diameter
- Flanged fittings - 1/2" and up
- Manways - 24" minimum, 30", 36" diameter and custom rectangular manways

Surface Preparation:
- SSPC SP-6, SP-10, SP-5

Internal Linings:
- Epoxy Phenolic
- High-solids Epoxy
- High-solids Polyurethane
- Zinc-Epoxy
- Vinyl Ester
- Rubber, PVC and other sheet linings

External Coatings:
- Primer Paint
- High-solids Epoxy/Polyurethane Finish Paint. Standard color -white. Custom colors available

External Corrosion Protection System:
- HighGuard

Testing:
- 5-psi factory air test and seam inspection

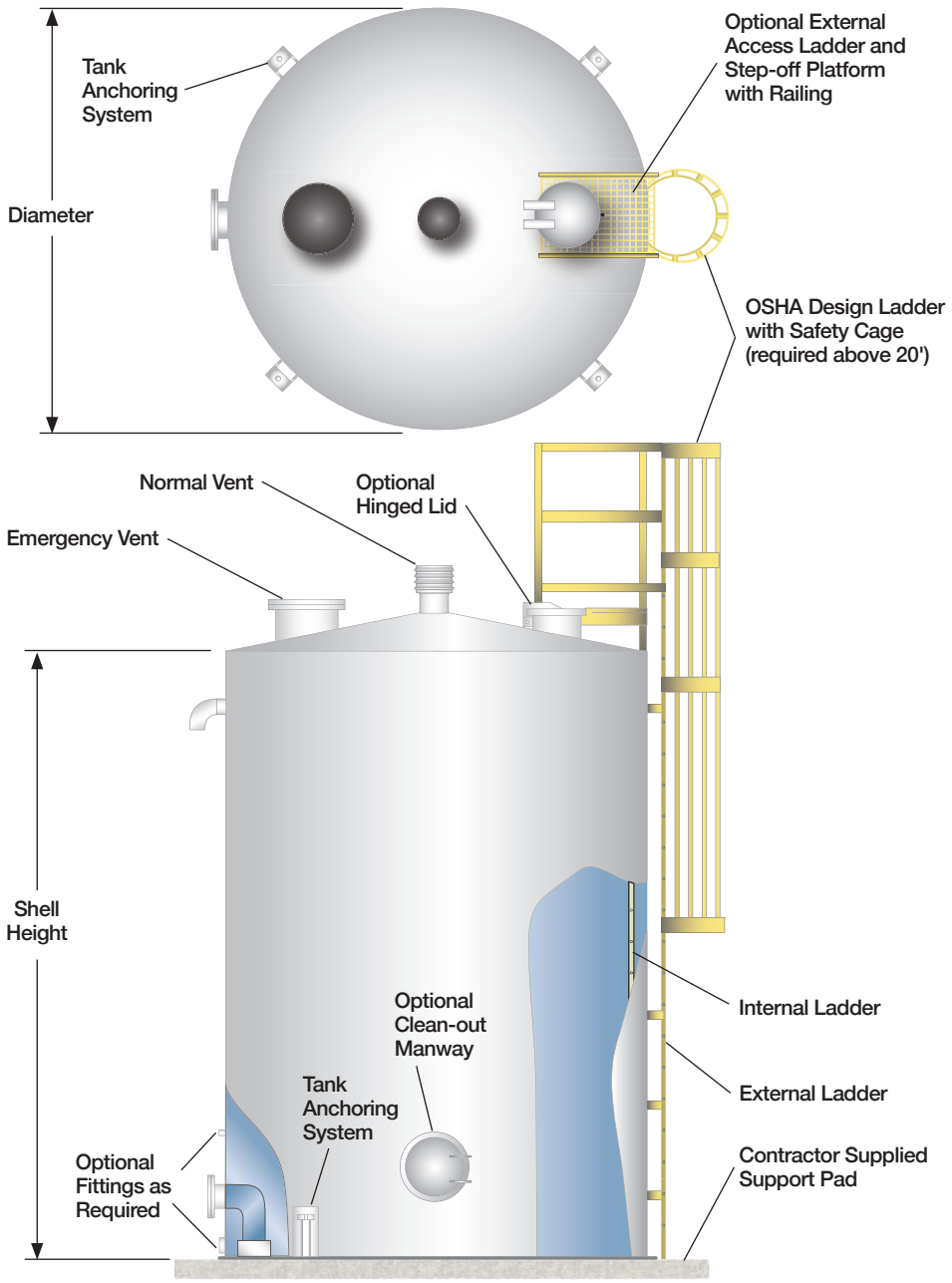
Tank Support Systems:
- Horizontal - UL Saddles
- Vertical - Ring Bases & Angle Legs

Tank Accessories:
- Interior ladders
- Waterstops
- Vents
- Exterior ladders w/ OSHA cages & guard-rails; stairs, walkways, catwalks
- All necessary appurtenances per AWWA D100 and NFPA 22
- Water/wastewater pumps and controls
- Gauges

To ensure maximum longevity and optimum use, our corrosion protection systems for underground water tanks comply with UL-1746. Aboveground tanks can be protected with a wide selection of primers and topcoats, even those complying with ANSI/AWWA D102, "Coating Steel Water-Storage Tanks."

vertical tank sizing guide

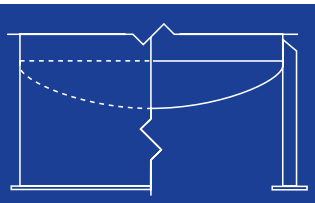
HT-1128



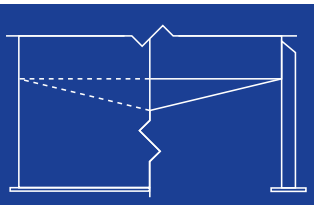
Volume Gallons	**Dimensions** Diameter	Height
185	3'-2"	3'-4"
240	3'-2"	4'-0"
300	3'-2"	5'-0"
500	4'-6"	5'-5"
1,000	4'-0"	10'-9"
1,000	5'-4"	6'-0"
1,500	5'-4"	9'-0"
2,000	5'-4"	12'-0"
3,000	8'-0"	8'-0"
4,000	8'-0"	10'-6"
5,000	8'-0"	13'-4"
6,000	8'-0"	16'-8"
8,000	10'-0"	14'-0"
10,000	10'-0"	17'-0"
12,000	10'-0"	20'-6"
15,000	10'-0"	25'-6"
20,000	10'-0"	34'-0"
20,000	10'-6"	31'-0"
25,000	12'-0"	29'-8"
30,000	12'-0"	35'-6"
30,000	12'-6"	42'-9"
40,000	12'-0"	47'-6"
40,000	12'-6"	43'-8"
40,000	13'-0"	40'-4"
50,000	13'-0"	50'-6"
57,500	14'-0"	50'-0"

Vertical Tank Bottoms

Flat - the most commonly used tanks in the industry; requires a flat surface to give full support.



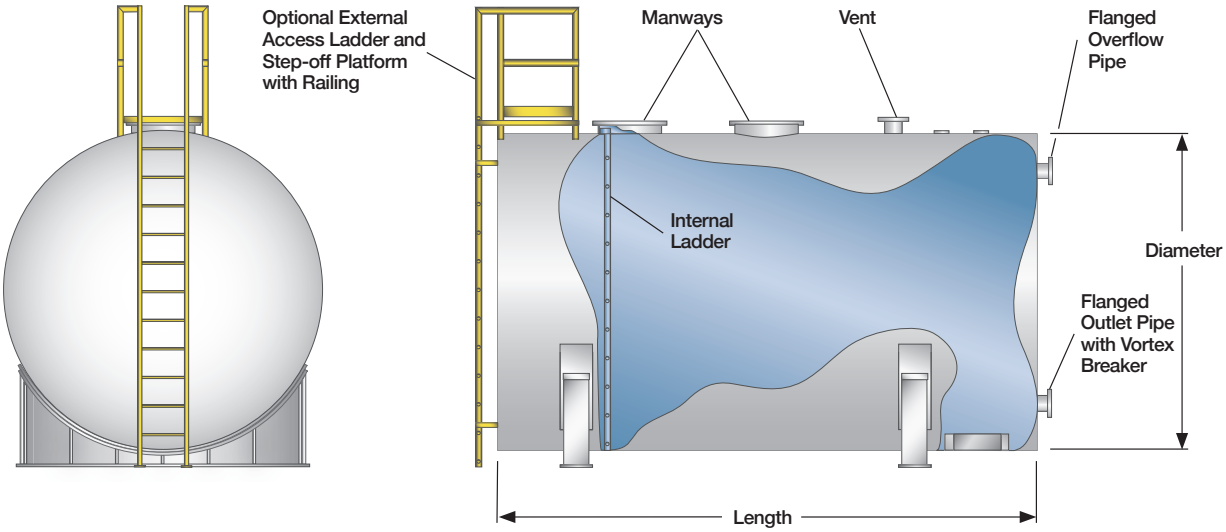
Dish with Ring Base or Angle Legs - offers near complete drainage; used when head pressure is required at the output.



Cone with Ring Base or Angle Legs - offers complete drainage.

horizontal tank sizing guide

HT-1128



Volume Gallons	Dimensions Diameter	Dimensions Height
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240	3'-2"	4'-0"
300	3'-2"	5'-0"
500	4'-0"	5'-5"
1,000	4'-0"	10'-9"
1,000	5'-4"	6'-0"
1,500	5'-4"	9'-0"
2,000	5'-4"	12'-0"
2,500	5'-4"	15'-0"
3,000	5'-4"	18'-0"
4,000	5'-4"	24'-0"
4,000	6'-0"	19'-0"
4,000	8'-0"	10'-8"
5,000	6'-0"	23'-10"
5,000	8'-0"	13'-4"
6,000	6'-0"	28'-8"
6,000	8'-0"	16'-0"
8,000	10'-0"	14'-0"
8,000	8'-0"	21'-4"

Volume Gallons	Dimensions Diameter	Dimensions Height
10,000	10'-0"	17'-0"
10,000	8'-0"	26'-8"
12,000	10'-0"	20'-6"
12,000	8'-0"	32'-0"
15,000	10'-0"	25'-6"
15,000	8'-0"	40'-0"
20,000	10'-0"	34'-0"
20,000	10'-6"	31'-0"
25,000	10'-0"	42'-6"
25,000	10'-6"	38'-9"
30,000	10'-0"	51'-2"
30,000	10'-6"	46'-6"
40,000	12'-0"	47'-6"
50,000	12'-0"	59'-6"
50,000	12'-6"	54'-6"
60,000	12'-0"	71'-0"
60,000	12'-6"	65'-5"
60,000	13'-0"	60'-6"
70,000	13'-0"	72'-0"

All Highland Tank storage tank drawings are available for viewing or downloading in PDF or AutoCAD DXF format at highlandtank.com

Highland Tank

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