

## Cement-Lined Potable Water Tanks

*Safe & Secure Heated and Chilled Water Storage*



# Highland Tank®



### Applications:

- Schools/Universities
- Hospitals/Institutions
- Correctional Facilities
- Commercial/Office Buildings
- Hotels/Resorts
- Rural Developments
- Office Buildings
- Campgrounds
- Livestock Feed Stations
- Emergency Water Supplies



HighDRO® – Cement Lined Potable Water Tanks (HD-CL-PWT) have been developed with the aim of satisfying the ever-increasing need for safe and sanitary storage of water.

Using innovative steel fabrication technology and Alkrete cement lining, Highland Tank has produced an effective solution to your hot and cold potable water storage needs without compromising quality, durability, safety or hygiene.

Alkrete is completely resistant to virtually any condition inside a hot water tank, including softened water and extremely high temperatures.

With an outstanding 40-year history, Alkrete is the number one lining material for hot and cold potable water storage tanks. Alkrete is certified to CSA, and NSF/ANSI 61 standards.

We manufacture HD-CL-PWT for many domestic water supply applications such as well water, city-supplied water, or delivered water for: domestic hot water tanks, fire protection water storage tanks, hydropneumatic tanks, cold water storage tanks and even food process tanks.



**Unmatched Quality & Service**

Designed and manufactured to provide many years of dependable service, HighDRO®-CL-PWT are available in many factory fabricated sizes and configurations suitable for underground or aboveground installation. Highland Tank constructs the tanks to the highest standard to ensure a safe, contamination free environment.

#### Features:

- Installation: Aboveground or underground
- Volume: 300 to 30,000 gallons
- Constructed of Carbon Steel
- Internal Coating: 5/8" – 3/4" Alkrete aluminate cement lining
- Alkrete lining is NSF/ANSI 61 and CSA certified
- Alkrete carries a 15-year warranty
- Atmospheric flanged and dished heads
- Non-corrosive stainless steel threaded openings
- Life test temperature range with 100 cycles of dry heat at 350°F/176.7°C
- Maximum temperature test with dry heat to 900°F/482°C
- 24" manways on tanks up to 5,000 gallons. (Tanks with capacity more than 5,000 gallons require two – 24" manways. ASME pressure vessels require one – 12" by 16" elliptical manway.)
- External Coatings:
  - Red Oxide Primer
  - Zinc Primer
  - Gray Alkyd Shop Primer
  - High Solids Epoxy/Polyurethane Finish Paint
  - HighGuard (Corrosion protection)

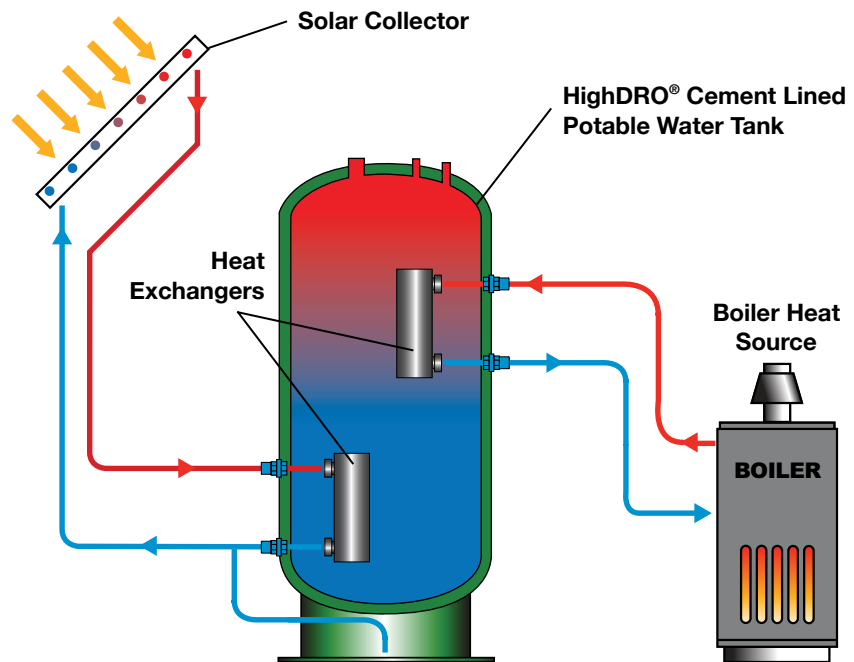
#### Options:

- ASME Code Construction (Tested at 1.3 times the operating pressure)
- ASME semi-elliptical heads
- Flanged and NPT fittings
- Double-wall with poured insulation (Polyurethane Isocyanate Prepolymer)

#### Benefits:

- Safe, hygienic water storage
- Unaffected by ultra violet or light penetration
- Capable of storing hot water up to 200 °F
- Clean, safe storage of potable water
- Easily maintained & repaired

## Hot Water Supply from Single or Multiple Heat Sources



Model Volume Gallons	Dimensions		Depth of ASME Head Inches	Total Overall Length
	Diameter	Straight Shell Length		
300	3' - 0"	5' - 0"	10.5	6' - 9"
500	3' - 6"	6' - 0"	12.0	8' - 0"
1,000	4' - 0"	10' - 0"	13.5	12' - 3"
2,000	4' - 0"	21' - 0"	13.5	23' - 3"
2,000	4' - 6"	16' - 0"	15.0	18' - 6"
3,000	4' - 0"	32' - 0"	13.5	34' - 3"
3,000	4' - 6"	24' - 6"	15.0	27' - 0"
3,000	5' - 0"	20' - 0"	16.5	22' - 9"
4,000	5' - 0"	28' - 0"	16.5	30' - 9"
4,000	6' - 0"	18' - 0"	19.5	21' - 3"
5,000	6' - 0"	24' - 0"	19.5	27' - 3"
5,000	7' - 0"	16' - 0"	22.5	19' - 9"
6,000	6' - 0"	28' - 0"	19.5	31' - 3"
6,000	7' - 0"	20' - 0"	22.5	23' - 9"
7,000	7' - 0"	24' - 0"	22.5	27' - 9"
7,500	7' - 0"	25' - 0"	22.5	28' - 9"
7,500	8' - 0"	18' - 6"	25.5	22' - 9"
8,000	7' - 0"	27' - 0"	22.5	30' - 9"
8,000	8' - 0"	20' - 0"	25.5	24' - 3"
9,000	7' - 0"	30' - 0"	22.5	33' - 9"
9,000	8' - 0"	22' - 2"	25.5	26' - 5"
10,000	8' - 0"	25' - 0"	25.5	29' - 3"
12,000	8' - 0"	31' - 0"	25.5	35' - 3"
15,000	8' - 0"	40' - 0"	25.5	44' - 3"
20,000	10' - 0"	32' - 0"	31.5	37' - 3"
25,000	10' - 6"	38' - 0"	33.0	43' - 6"
30,000	10' - 6"	44' - 0"	33.0	49' - 6"



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