

**Built on Tradition**



**Highland Tank®**



## Chlorine Contact Tanks

HT-1121

Chlorine Contact Tanks (CCT) are typically used with chlorine injection equipment in a well water system to help comply with strict drinking water standards. This process vessel is designed to achieve sufficient contact time between the injected chlorine and the water that needs disinfection.

Chlorination is the most common disinfection method for public and private drinking water systems. This disinfection process is necessary to kill disease-causing bacteria in the water. In order to be sure the added chlorine is killing the bacteria, the water must have sufficient contact time with the injected chlorine for proper disinfection.

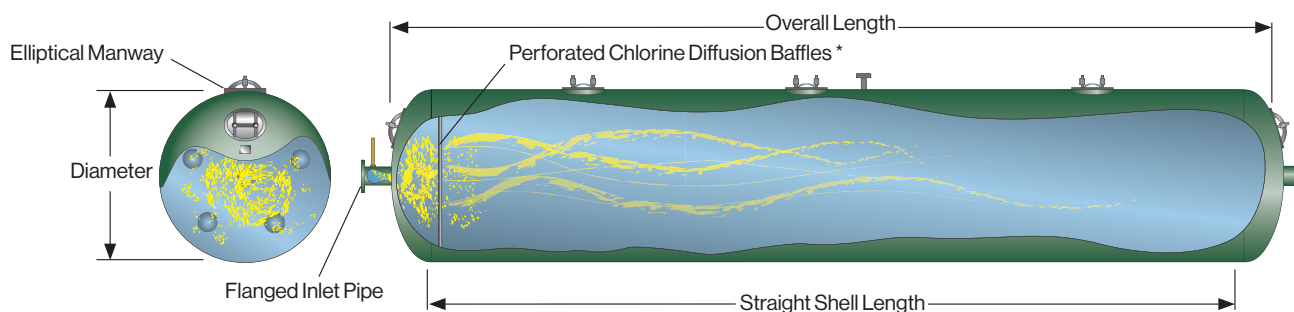
CCT have an inlet on one end and an outlet on the opposite end. The water flows through a series of internal mixing baffles and perforated high efficiency mixing baffles to lengthen the contact time water has with the injected chlorine before it leaves the vessel. Highland Tank manufactures two models of CCT.

Sizing for CCT is related to the flow rate and tank efficiency. Highland Tank's CCT are lined with maintenance-free, non-contaminating epoxy or polyurethane lining, approved by NSF as suitable for the storage of potable water.

**Premium ASME Pressure Vessels  
from the Industry Leader**

# Drawing & Details

## Superior Performance CCT



\*Perforated Diffusion Baffles as Required

Volume Gallons	Straight Shell Nominal Dimensions		Approximate Overall Length
	Diameter	Length	
*1,500	4'-0"	15'-6"	17'-9"
*2,000	4'-0"	21'-0"	23'-3"
*2,000	4'-6"	16'-0"	18'-6"
3,000	4'-0"	32'-0"	34'-3"
3,000	4'-6"	24'-6"	27'-0"
3,000	5'-0"	20'-0"	22'-9"
4,000	5'-0"	28'-0"	30'-9"
4,000	6'-0"	18'-0"	21'-3"
5,000	6'-0"	24'-0"	27'-3"
5,000	7'-0"	16'-0"	19'-9"
6,000	6'-0"	28'-0"	31'-3"
6,000	7'-0"	20'-0"	23'-9"
7,000	7'-0"	24'-0"	27'-9"

Volume Gallons	Straight Shell Nominal Dimensions		Approximate Overall Length
	Diameter	Length	
7,500	7'-0"	25'-0"	28'-9"
7,500	8'-0"	18'-6"	22'-9"
8,000	7'-0"	27'-0"	30'-9"
8,000	8'-0"	20'-0"	24'-3"
9,000	7'-0"	30'-0"	33'-9"
9,000	8'-0"	22'-2"	26'-5"
10,000	8'-0"	25'-0"	29'-3"
12,000	8'-0"	31'-0"	35'-3"
15,000	8'-0"	40'-0"	44'-3"
20,000	10'-0"	32'-0"	37'-3"
25,000	10'-6"	38'-0"	43'-6"
30,000	10'-6"	44'-0"	49'-6"

\*Only available as Standard model CCT.

### Notes:

- Tanks are built in accordance with the latest edition of the ASME Unfired Pressure Vessel Code. All ASME vessels are welded, tested and inspected per ASME Code requirements and the stamped name plate.
- Thicknesses are calculated per ASME Section VIII, Division I – UG 27.
- Fitting details/locations are typical.
- 11" X 15" elliptical manway is typical for an inspection opening. All lined vessels require a 12" X 16" minimum elliptical manway.
- Tanks with different/larger volumes, dimensions and pressures are available upon request.
- ASME stamped vessels are required in most states. Where applicable, non-code hydropneumatic tanks are available upon request.



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