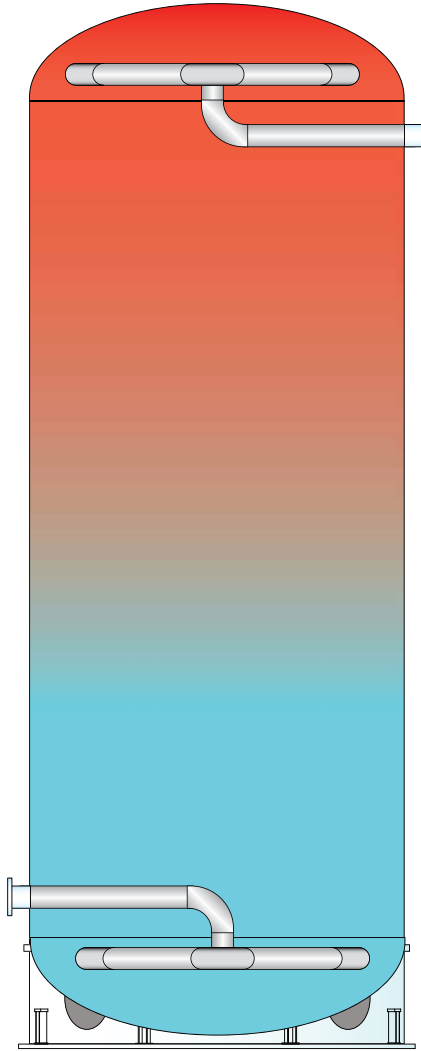




count on our products. trust in our people.



## Thermal Energy Storage Tanks - Design Information



### Design: Vertical ASME Pressure Vessel

Per ANSI/ASHREA Standard 150-2000 (RA 2014)

Quantity: \_\_\_\_\_ Vessel Volume: \_\_\_\_\_ Gallons

Ton/Hours Cooling \_\_\_\_\_

Service:  Off-Peak Cooling

Emergency Back-up - Duration: \_\_\_\_\_ minutes

Diameter: \_\_\_\_\_

Height - Straight Shell: \_\_\_\_\_ Overall: \_\_\_\_\_

Design Pressure: \_\_\_\_\_ PSIG

Inlet Temperature: \_\_\_\_\_ °F Outlet Temperature: \_\_\_\_\_ °F

Inlet/Outlet Piping Size: \_\_\_\_\_" Flow Rate: \_\_\_\_\_ GPM

Required Thermal Capacity: \_\_\_\_\_

Cooling Medium: \_\_\_\_\_

Insulation Requirements: \_\_\_\_\_

Diffuser Construction Material: \_\_\_\_\_

### Customer Information:

Contact: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City - State - ZIP: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Email: \_\_\_\_\_

Highland Representative: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Email: \_\_\_\_\_

Note that thermodynamic TES tank calculations are specific to each project. Highland Tank will use customer-supplied tank capacities for quoting purposes. Highland Tank will only confirm/determine tank size and thermal capacity of TES tanks after receipt of order, initial drawings, and all required properties as noted on this brochure.

All tank fabrications to be strict accordance with ASME Section VIII, Division 1, latest edition.

NOTE: ALL RIGHTS RESERVED. This form MUST NOT be reproduced without the written permission of Highland Tank.



**Stoystown, PA**  
One Highland Road  
Stoystown, PA 15563-0338  
814.893.5701

**Manheim, PA**  
4535 Elizabethtown Road  
Manheim, PA 17545-9410  
717.664.0600

**Watervliet, NY**  
958 19th Street  
Watervliet, NY 12189-1752  
518.273.0801

**Greensboro, NC**  
2700 Patterson Street  
Greensboro, NC 27407-2317  
336.218.0801

**Lebanon, PA**  
2225 Chestnut Street  
Lebanon, PA 17042-2504  
717.664.0602

**Friedens, PA**  
1510 Stoystown Road  
Friedens, PA 15541-7402  
814.443.6800

**Clarkston, MI**  
4701 White Lake Road  
Clarkston, MI 48346-2554  
248.625.8700

**Mancelona, MI**  
9517 Lake Street  
Mancelona, MI 49659-7968  
231.587.8412



PROUDLY MADE IN AMERICA

© Highland Tank - HT-9068 - 09/2019