



# Trin & Stor ST80, ST120 Stainless Steel Storage Tanks

## Submittal Sheet

Project Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_

### SPECIFICATIONS

► Product Features

- Tank is constructed out of Type 444 stainless steel
- Tanks are completely pickled, rinsed and passivated inside and outside to remove all surface contaminations, and restore the chromium oxide layer of the stainless steel surface
- Fittings are constructed out of Type 316L stainless steel
- Lead free construction
- Maximum operating pressure 150 psi
- Insulated with CFC free 2 inch thick Expanded Polystyrene (EPS) Foam
- Outer shell is constructed out of durable grey plastic
- 1" female NPT temperature and pressure relief valve connection
- Stainless steel well for insertion of TPI Thermostat or Tank Sensor
- Maximum delivery temperature = 210°F
- Maximum stored water temperature = 190°F
- Maximum chloride level = 80 ppm

► Factory Supplied Items

- Temperature & Pressure Relief Valve
- TPI Thermostat Control

► TPI Control Features

- 24VAC microprocessor safety control
- TT/Pump contact rating of 125V, 10A
- Set point adjustment from 110-160°F
- Differential adjustment from 5-20°F
- Indicator light for troubleshooting
- 10K thermistor accurately measures tank temp within 2°F

► Optional Tank Sensor, p/n 84632 (used in lieu of TPI Control)

- Incorporates a 10K thermistor and a UL353 rated normally closed safety switch
- Connects directly to a Trinity boiler/water heater; allows the tank temperature to be controlled from the Trinity

► Tank Dimensions – reference figure on the right

Model	A	B	C	D	E	F	G
ST80	72.6"	59.5"	59.5"	11.6"	10.6"	2.4"	23.9"
ST120	64.8"	52.4"	52.4"	13.3"	12.3"	2.4"	28.9"

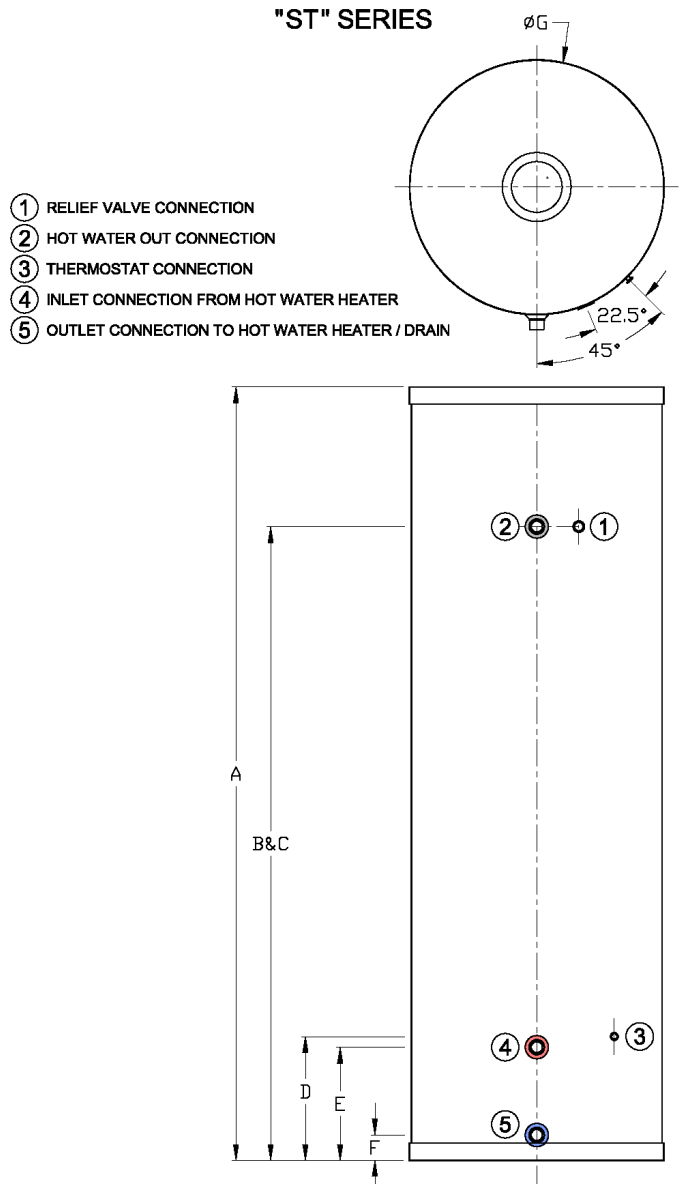
- All dimensions are in inches

► Connection Sizes – reference figure on the right

Model	T&P RV	Hot Out	T-stat	HWH In	HWH Out
	1	2	3	4	5
ST80	1" F	1.5" M	Well	1.5" M	1.5" M
ST120	1" F	1.5" M	Well	1.5" M	1.5" M

- All connections, excluding the T-stat well, are NPT.

"ST" SERIES



- ① RELIEF VALVE CONNECTION
- ② HOT WATER OUT CONNECTION
- ③ THERMOSTAT CONNECTION
- ④ INLET CONNECTION FROM HOT WATER HEATER
- ⑤ OUTLET CONNECTION TO HOT WATER HEATER / DRAIN

NY Thermal Inc.

65 Drury Cove Road, Saint John, NB E2H 2Z8 Canada

2014-05-08  
Rev. 0

Technical Service: 1-800-688-2575 Fax: 1-506-432-1135 Web: <http://www.nythermal.com>

NY Thermal Inc. reserves the right to change these specifications without notice