

SPP Jacketed & Insulated Large Volume Solar Storage Tanks



- Larger selection – ranging from 193gl to 1,000+ gl
- Heavy Steel Insulation Jacket
- 2" Top-Coat Insulation Option
- Designed for High Temperature (180F) Storage
- ASME Certified

The SPP jacketed & insulated large volume solar storage tanks are designed for large commercial, industrial, high temperature or long term storage of hot water.

These large solar tanks are perfect for solar DHW, space heating, and solar air conditioning applications.



5-Year Limited Warranties / 10-Year Limited Warranties on Double Glass Lined Tanks

- **ASME Rated** - All size tanks are constructed and certified in accordance with ASME IV for 125 PSI.
- **Glass Lined Solar Storage Tank** - The glass lining is applied to the interior surface of the steel providing a tough wear resistant lining which minimizes the effects of high temperature hot water.
- **Sturdy Steel Jacket** - Heavy gauge steel jacket increases heat retention, minimizing heat loss for even high temperature hot water storage
- **High Density Foam Insulation Available** - High density 2" foam insulation option minimizes heat loss with an R value of 12.5.
- **Magnesium Anode Rod** - Magnesium anode rods are included in every tank for protection and longer service life.
- **Aquastat Fittings** - Two 3/4" Aquastat NPT fittings are integrated into the tank, located in the lower and upper parts.
- **Five Year Warranty** - Provides warranty protection against tank failure resulting from defects in materials and workmanship.
- **Ten Year Warranty** - An extended warranty on steel tanks with double glass lining provides superior warranty protection against tank failure. Double glass lining is not an inventory item, built upon request.

SPP Jacketed & Insulated Solar Storage Tanks: Specifications Meet or exceed ASHRAE 90.1b (current standard)

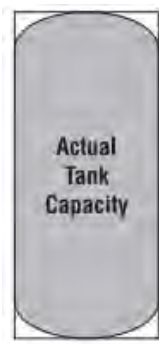
A	B	C	D	E	F	G	H	I	J	K	L	M	N
SPP-JS30-063	193	175	71"	41"	67"	18"	2"	19.5"	34"	2.5"	1"	3"	548
SPP-JS30-075	229	210	83	41	79	24	2	19.5	34	2.5	1	3	613
SPP-JS30-085	260	240	93	41	89	29	2	19.5	34	2.5	1	3	700
SPP-JS30-099	303	280	107	41	103	36	2	19.5	34	2.5	1	3	673
SPP-JS30-111	340	320	119	41	115	42	2	19.5	34	2.5	1	3	730
SPP-J36-072	318	285	80"	47"	76"	21"	2"	21"	40"	2.5"	1"	3"	714
SPP-J36-078	344	310	86	47	82	24	2	21	40	2.5	1	3	782
SPP-J36-085	375	340	93	47	89	27.5	2	21	40	2.5	1	3	845
SPP-J36-090	397	360	98	47	94	30	2	21	40	2.5	1	3	894
SPP-J36-102	449	415	110	47	106	36	2	21	40	2.5	1	3	982
SPP-J36-114	502	465	122	47	118	42	2	21	40	2.5	1	3	1106
SPP-J36-126	555	515	134	47	130	48	2	21	40	2.5	1	3	1194
SPP-J42-081	486	435	89"	53"	85"	24"	2"	22.5"	46"	3"	1"	3"	1024
SPP-J42-084	504	453	92	53	88	25.5	2	22.5	46	3	1	3	1074
SPP-J42-093	558	505	101	53	97	30	2	22.5	46	3	1	3	1168
SPP-J42-105	630	575	113	53	109	36	2	22.5	46	3	1	3	1292
SPP-J42-117	702	645	125	53	121	42	2	22.5	46	3	1	3	1392
SPP-J42-129	774	720	137	53	133	48	2	22.5	46	3	1	3	1498
SPP-J42-139	846	790	147	53	143	53	2	22.5	46	3	1	3	1587
SPP-J48-073	572	500	81"	59"	77"	18.5"	2"	24"	52"	3"	1"	3"	1381
SPP-J48-084	658	580	92	59	88	24	2	24	52	3	1	3	1539
SPP-J48-096	752	675	104	59	100	30	2	24	52	3	1	3	1653
SPP-J48-108	846	765	116	59	112	36	2	24	52	3	1	3	1803
SPP-J48-120	940	840	128	59	124	42	2	24	52	3	1	3	1947
SPP-J48-141	1128	1040	149	59	145	52.5	2	24	52	3	1	3	2216

A – Tank Part Number
 B – Nominal Gallon Capacity*
 C – Actual Capacity*
 D – Vertical Height
 E – Horizontal Height
 F – "L"
 G – "D"

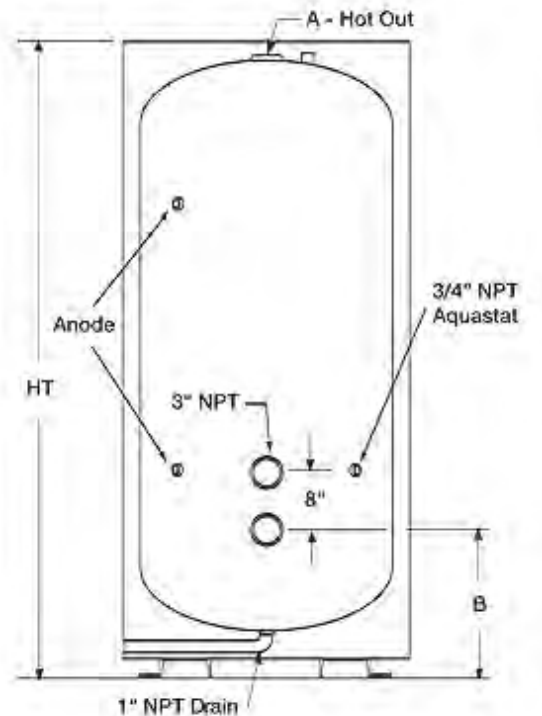
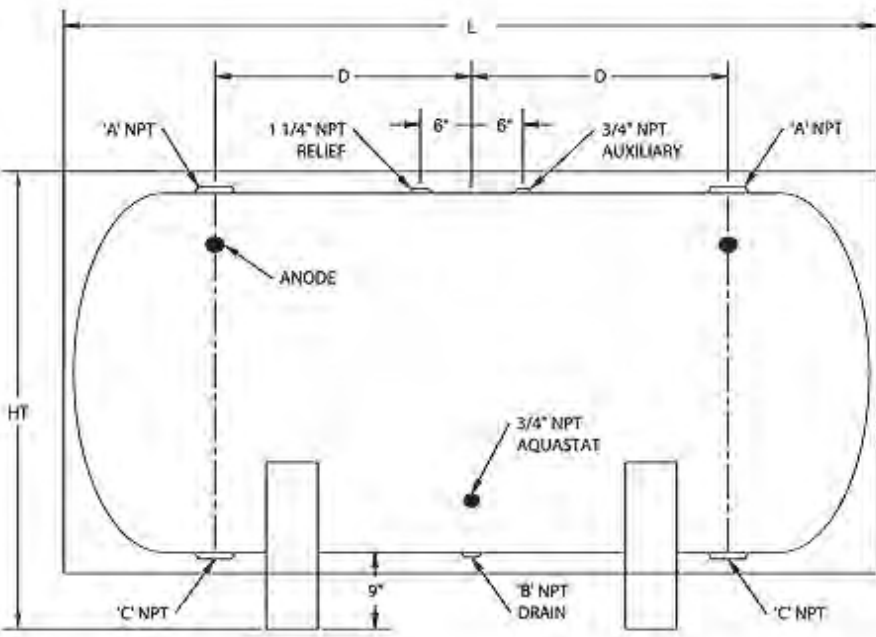
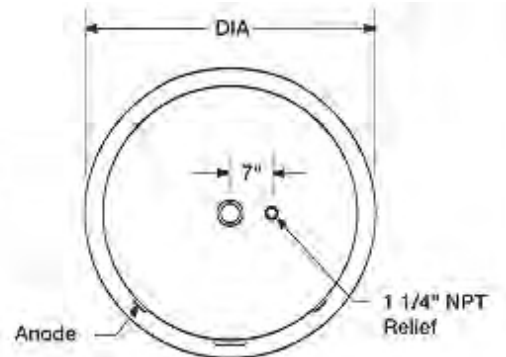
H – Base Clearance
 I – "H"
 J – Diameter
 K – Tapping "A"
 L – Tapping "B"
 M – Tapping "C"
 N – Weight

*Nominal gallon capacity is listed for comparison purposes. Nominal gallon capacity refers to a hypothetical measurement in a case where overall tank length remains the same but instead of an elliptical head and base, the gallons are calculated as if it was built with flat heads and base. – See diagram

*Nominal capacity includes the white area in addition to actual tank capacity.



W-H-196 Test = 7.0 - 8.0 mg/in ² The W-H-196 Test is required for water heaters sold to the U.S. Government. The test consists of exposing the enamel to a boiling (212 F) 4/10% solution of Sodium Bicarbonate for eight (8), eighteen (18) hour cycles. Maximum weight loss after eight cycles is not to exceed 15 mg/in ² .	PEI T-21 Spot Acid Test = Class A PEI T-21 Spot Acid Test is used to determine enamel resistance to acids. The test area is examined for visible effects on the enamel and is graded from Class AA (no sign of etching) to Class D (etched surface).
Impact resistance = Class 4 to 5 The Impact Resistance Test is used to determine the adhesive qualities of enamel to the substrate. The enamel is graded from Class 1 (worst) to Class 5 (best), fractured glass adhering solidly to the impact area. Class 3 is acceptable.	Hi-Pot Test Less than 20 The HYPO Test is a measurement of the continuity of the glass coating (Spark Test). Fifty (50) breakthroughs or fewer are the usual specification for HWT's.



All water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All potable water and electrical connections are 3/4" NPT (19mm) on 8" (203mm) centers. All models are UL listed.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement,

Suitable for Water (Potable) Heating and Space Heating.