



SunEarth

SETS

Thermal Storage **SPECIFICATION SHEET**

Applications



Solar Water Heating



Thermal Storage



SETS Thermal Storage Tanks

- Extremely durable
- Light weight
- Simple Installation

All tanks, ranging from 100 to 5000 gallons, are crated to a width of 19" or 24". This allows tanks to fit through Standard doorway openings, greatly reducing demolition and construction costs.

SETS Material Details

Liner:	0.045" EPDM
Threaded Fasteners:	AISI 304 Stainless Steel
Jacket:	0.032" Embossed 3003 Aluminum
Insulation (Side and Lid):	2" Polyisocyanurate Foil Faced (R18)
Insulation (Bottom)	1" Polyisocyanurate Foil Faced and 1" Polystyrene

Accessories:

DESCRIPTION	SIZE	WEIGHT (LBS)	MATERIAL
PIPE PASSAGE	1" - 2"	-	SCH 40 PVC
MPT FLANGE	1" - 2"	4 - 6	STAINLESS STEEL
HEAT EXCHANGE COIL	1"	43	COPPER

ENGINEERING SPECIFICATIONS

Installation

Thermal Storage Tank shall be of vented non-pressurized design with minimum 1-1/2" vent port. The tank shall be able to be disassembled to pass through a minimum 24" wide doorway.

Material

Thermal Storage Tank Jacket shall be constructed of 0.032" thick 3003 embossed aluminum. Insulation shall be a minimum of 2" thick polyisocyanurate with a minimum rating of R18. Tank liner shall be 0.045" EPDM and rated to a maximum temperature of 175°F.

Connections

Thermal Storage Tank connections above the water line shall pass through jacket and insulation with minimum schedule 40 PVC pipe. Thermal Storage Tank connections below the water line shall be stainless steel male pipe thread bulkhead flanges.

Warranty

The tank manufacturer shall warrant the tank system against any defects in workmanship and materials for a period of (10) years from the date of final purchase. Tank temperature should not exceed 175 degrees. Stored fluid needs to be maintained at a PH of 7.2 to 7.6. In the event any defect should appear, it shall be reported in writing to the manufacturer during warranty period. Tank shall

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SETS Thermal Storage Tank Sizes:

	Model Number	Capacity (gal)	Diameter (in)	Height (in)	Weight (lbs)	Crate Size (in) (W x H x L)	Max No. of Coils
4 FOOT TALL	SETS100-4	100	33	48	119	19 x 52 x 55	1
	SETS150-4	150	36	48	129	19 x 52 x 60	1
	SETS200-4	200	40	48	137	19 x 52 x 65	1
	SETS250-4	250	48	48	155	19 x 52 x 75	2
	SETS300-4	300	52	48	166	19 x 52 x 80	3
	SETS400-4	400	58	48	185	19 x 52 x 90	3
	SETS500-4	500	64	48	206	19 x 52 x 100	4
	SETS600-4	600	70	48	227	19 x 52 x 110	5
	SETS700-4	700	76	48	241	19 x 52 x 120	6
	SETS800-4	800	80	48	267	19 x 52 x 125	7
	SETS1200-4	1200	96	48	359	19 x 52 x 151	9
5 FOOT TALL	SETS400-5	400	52	60	222	19 x 63 x 80	2
	SETS500-5	500	58	60	226	19 x 63 x 90	3
	SETS600-5	600	64	60	264	19 x 63 x 100	4
	SETS700-5	700	67	60	270	19 x 63 x 105	5
	SETS800-5	800	70	60	274	19 x 63 x 110	5
	SETS1000-5	1000	80	60	338	19 x 63 x 125	7
	SETS1200-5	1200	86	60	371	19 x 63 x 135	8
	SETS1500-5	1500	96	60	426	19 x 63 x 151	9
	SETS2100-5	2100	110	60	732	24 x 63 x 172	10
6 FOOT TALL	SETS800-6	800	64	72	281	19 x 76 x 100	4
	SETS1000-6	1000	70	72	314	19 x 76 x 110	5
	SETS1100-6	1100	76	72	354	19 x 76 x 120	4
	SETS1300-6	1300	80	72	382	19 x 76 x 125	7
	SETS1500-6	1500	86	72	413	19 x 76 x 135	8
	SETS2000-6	2000	100	72	754	24 x 76 x 157	10
	SETS3000-6	3000	120	72	888	24 x 76 x 188	12
	SETS3400-6	3400	128	72	954	24 x 76 x 201	13
7 FOOT TALL	SETS1700-7	1700	86	84	665	19 x 90 x 135	8
	SETS2200-7	2200	96	84	774	19 x 90 x 151	9
	SETS2800-7	2800	108	84	925	24 x 90 x 170	10
	SETS3500-7	3500	120	84	1064	24 x 90 x 188	12
	SETS4000-7	4000	128	84	1179	24 x 90 x 201	13
	SETS4500-7	4500	135	84	1278	24 x 90 x 212	14
	SETS5000-7	5000	142	84	1344	24 x 90 x 223	15

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