

THERM-X-TROL®

Thermal Expansion Tanks: ST Series Non-ASME

150 PSIG Working Pressure

Construction

Shell	Steel		
Diaphragm	Heavy Duty Butyl NSF/ANSI 61		
Liner	Antimicrobial		
System Connection	Stainless Steel		
Finish	Urethane Topcoat		
Water Circulator	Turbulator™		
Air Valve	Projection Welded		
Factory Precharge	In-line Models 50 PSIG (3.5 bar) Stand Models 40 PSIG (2.8 bar)		

Application

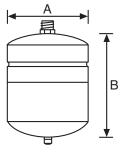
- For use in closed, potable water systems to control pressure build-up.
- Accepts expanded water as system temperature rises and returns hot water to system when demand occurs.
- · Stand models designed for large residential and light commercial applications.
- Multiple units can be installed to accommodate larger systems.

Performance

Maximum Operating Temperature	200°F (93°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Warranty	1 Year - ST-30V through ST-210V 5 Years - ST-5 through ST-25V

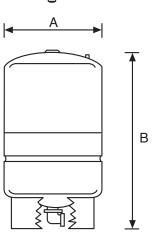
In-Line Models

Model Number	Tai Volu		Max. Acceptance Factor	A Tank Diameter		B Tank Height		System Connection (NPTM)	Shipping Weight	
	Gal	Lit	Facioi	In	mm	In	mm	In	Lbs	Kg
ST-5	2.0	8	.45	8	203	13	330	3/4	5	2
ST-8	3.2	12	.59	9	229	15	381	3/4	7	3
ST-12	4.4	17	.73	11	279	15	381	3/4	9	4



Stand Models

Tank Volume		Max. Acceptance	A Tank Diameter		B Tank Height		System Connection (NPTF)	Shipping Weight	
Gal Lit Factor	Factor	In	mm	In	mm	In	Lbs	Kg	
10.3	39	1.00	15	381	19	483	3/4	23	10
14.0	53	0.81	15	381	24	610	3/4	25	11
20.0	76	0.57	15	381	32	813	3/4	33	15
34.0	129	1.00	22	559	30	762	11/4	61	28
44.0	167	0.77	22	559	36	914	11/4	69	31
62.0	235	0.55	22	559	47	1194	11/4	92	42
81.0	307	0.44	22	559	56	1422	11/4	103	47
86.0	326	0.54	26	660	47	1194	11/4	123	56
	Gal 10.3 14.0 20.0 34.0 44.0 62.0 81.0	Gal Lit 10.3 39 14.0 53 20.0 76 34.0 129 44.0 167 62.0 235 81.0 307 86.0 326	Volume Acceptance Factor Gal Lit 10.3 39 14.0 53 20.0 76 34.0 129 129 1.00 44.0 167 0.77 62.0 235 0.55 81.0 307 0.54	Volume Acceptance Factor Tank D Gal Lit In 10.3 39 1.00 15 14.0 53 0.81 15 20.0 76 0.57 15 34.0 129 1.00 22 44.0 167 0.77 22 62.0 235 0.55 22 81.0 307 0.44 22 86.0 326 0.54 26	Volume Acceptance Factor Tank Diameter Gal Lit In mm 10.3 39 1.00 15 381 14.0 53 0.81 15 381 20.0 76 0.57 15 381 34.0 129 1.00 22 559 44.0 167 0.77 22 559 62.0 235 0.55 22 559 81.0 307 0.44 22 559 86.0 326 0.54 26 660	Volume Acceptance Factor Tank Diameter Tank Diameter Tank Diameter Gal Lit In mm In 10.3 39 1.00 15 381 19 14.0 53 0.81 15 381 24 20.0 76 0.57 15 381 32 34.0 129 1.00 22 559 30 44.0 167 0.77 22 559 36 62.0 235 0.55 22 559 47 81.0 307 0.44 22 559 56 86.0 326 0.54 26 660 47	Volume Acceptance Factor Tank Diameter Tank Height Gal Lit In mm In mm 10.3 39 1.00 15 381 19 483 14.0 53 0.81 15 381 24 610 20.0 76 0.57 15 381 32 813 34.0 129 1.00 22 559 30 762 44.0 167 0.77 22 559 36 914 62.0 235 0.55 22 559 47 1194 81.0 307 0.44 22 559 56 1422 86.0 326 0.54 26 660 47 1194	Volume Acceptance Factor Tank Diameter Tank Height (NPTF) Gal Lit In mm In mm In 10.3 39 1.00 15 381 19 483 ¾ 14.0 53 0.81 15 381 24 610 ¾ 20.0 76 0.57 15 381 32 813 ¾ 34.0 129 1.00 22 559 30 762 1¼ 44.0 167 0.77 22 559 36 914 1¼ 62.0 235 0.55 22 559 47 1194 1¼ 81.0 307 0.44 22 559 56 1422 1¼ 86.0 326 0.54 26 660 47 1194 1¼	Volume Acceptance Factor Tank Diameter Tank Height (NPTF) Weight 10.3 39 1.00 15 381 19 483 3/4 23 14.0 53 0.81 15 381 24 610 3/4 25 20.0 76 0.57 15 381 32 813 3/4 33 34.0 129 1.00 22 559 30 762 11/4 61 44.0 167 0.77 22 559 36 914 11/4 69 62.0 235 0.55 22 559 47 1194 11/4 92 81.0 307 0.44 22 559 56 1422 11/4 103 86.0 326 0.54 26 660 47 1194 11/4 123



All dimensions and weights are approximate.

Job Name	Notes
Engineer	
Contractor	
P.O. No	
Sales Rep	
Model No.	











