THERM-X-TROL®

Thermal Expansion Tanks: ST-C Series ASME

175 PSIG Working Pressure

Construction

Shell	ST-5C through ST-42VC: Deep Drawn Steel ST-60VC through ST-210VC: Steel Head & Shell
Diaphragm	Heavy Duty Butyl NSF/ANSI 61
Liner	Antimicrobial Polypropylene w/Anti-Legionella Protection
System Connection	Stainless Steel
Finish	Red Oxide Primer
Water Circulator	Turbulator® (Deep Drawn Models)
Air Valve	Shrader Valve with EPDM Seat
Factory Precharge	55 PSIG (3.8 bar)

Performance

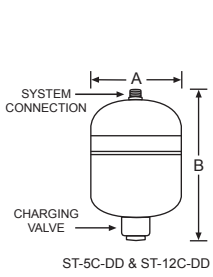
Maximum Operating Temperature	200°F (93°C)
Maximum Working Pressure	175 PSIG (12 bar)
Warranty	1-Year

Application

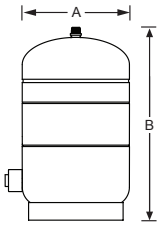
- For use in closed, domestic hot water systems to control pressure buildup.
- Fixed diaphragm construction.
- Designed and constructed per ASME Code Section VIII, Division 1.
- Tested to JIS Z 2801 for reduction of Legionella, Staphylococcus and E. coli.
- Follows ASHRAE 188 Anti-Legionella guidelines.
- All models available with optional sight glass.
- Seismic restraints available on stand models only.
- Deep drawn models are lighter, stronger and more compact than traditional head and shell construction.

Deep Drawn In-Line & Stand Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		System Connection (NPTM)	Shipping Weight	
	Gal	Lit		In	mm	In	mm	In	Lbs	Kg
ST-5C-DD	2.0	8	.45	8	203	14	356	¾	12	5
ST-12C-DD	6.4	24	.50	12	305	18	457	¾	28	13
ST-20VC-DD	8.6	33	.37	12	305	22	559	¾	38	17



ST-5C-DD & ST-12C-DD

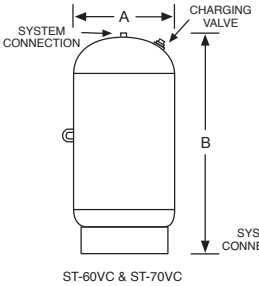


ST-20VC-DD THROUGH ST-42VC-DD

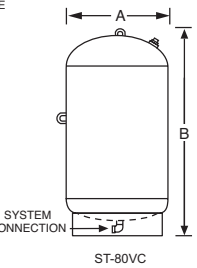
Head & Shell Stand Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		System Connection (NPTF)	Shipping Weight	
	Gal	Lit		In	mm	In	mm	In	Lbs	Kg
ST-30VC	14.0	53	.64	16	406	19	483	¾	64	29
ST-42VC	18.0	68	.61	16	406	24	610	¾	75	34
ST-60VC	25.0	95	.44	16	406	32	813	¾	113	51
ST-70VC	34.0	129	.32	16	406	45	1143	¾	122	55
ST-80VC	53.0	201	.66	24	610	37	940	1¼	296	134
ST-120VC	68.0	257	.51	24	610	44	1118	1¼	340	154
ST-180VC	77.0	291	.45	24	610	49	1245	1¼	360	163
ST-210VC	90.0	341	.39	24	610	57	1448	1¼	380	172

All dimensions and weights are approximate.



ST-60VC & ST-70VC



ST-80VC THROUGH ST-210VC

Job Name _____ Notes _____

Engineer _____ _____

Contractor _____ _____

P.O. No. _____ _____

Sales Rep. _____ _____

Model No. _____ _____

188 AntiLegionella. Antimicrobial.

NSF Certified to NSF/ANSI/CAN 61

Turbulator DEEP DRAWN MODELS

ISO 9001:2015 CERTIFIED

LEAD FREE IAPMO R&T