

C3 Mechanical, LLC  
166 Buchanan Ave.  
Bardstown, Ky. 40004



Phone: 502-352-2303  
License #HMO5661

## Job Name Change Order Proposal

Item	Description of Work	Ea.	Cost	Total
1	Amtrol ST12-C-DD Expansion Tank ASME Labeled	1	\$1,445.00	\$1,445.00
2	Copper Pipe, Fittings & Hangers	1	\$50.00	\$50.00
3	Labor 2 Men @ \$75 per hour	4	\$75.00	\$300.00
				<hr/>
			<b>Subtotal</b>	\$1,795
			<b>15% Profit &amp; Overhead</b>	\$269
			<b>Total</b>	<hr/>
				\$2,064

Jim Coomes

General Manager  
C3 Mechanical



# THERM-X-TROL®

Thermal Expansion Tanks: ST-C Series ASME

175 PSIG Working Pressure

## Construction

Shell	ST-5C, ST-12C, ST-20VC: Deep Drawn Steel ST-30VC 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

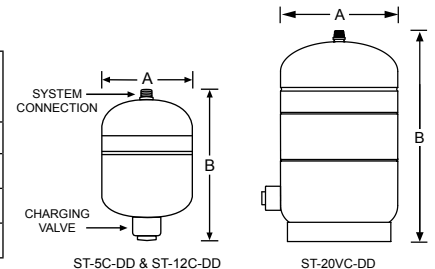
Maximum Operating Temperature	200°F (93°C)
Maximum Working Pressure	175 PSIG (12 bar)
Warranty	1-Year

## 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.

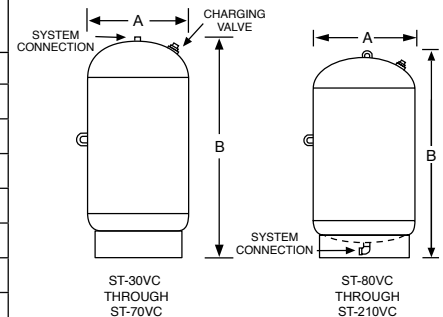
## Deep Drawn In-Line & Stand Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		System Connection (NPTM)	Shipping Weight	
	Gal	Lit		In	mm	In	mm		Lbs	Kg
ST-5C-DD	2.0	8	.45	8	203	14	356	3/4	12	5
<b>ST-12C-DD</b>	<b>6.4</b>	<b>24</b>	<b>.50</b>	<b>12</b>	<b>305</b>	<b>18</b>	<b>457</b>	<b>3/4</b>	<b>28</b>	<b>13</b>
ST-20VC-DD	8.6	33	.37	12	305	22	559	3/4	38	17



## 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		Lbs	Kg
ST-30VC	14.0	53	.64	16	406	19	483	3/4	64	29
ST-42VC	18.0	68	.61	16	406	24	610	3/4	75	34
ST-60VC	25.0	95	.44	16	406	32	813	3/4	113	51
ST-70VC	34.0	129	.32	16	406	45	1143	3/4	122	55
ST-80VC	53.0	201	.66	24	610	37	940	1 1/4	296	134
ST-120VC	68.0	257	.51	24	610	44	1118	1 1/4	340	154
ST-180VC	77.0	291	.45	24	610	49	1245	1 1/4	360	163
ST-210VC	90.0	341	.39	24	610	57	1448	1 1/4	380	172



**188**

AntiLegionella.

All dimensions and weights are approximate.

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

