



# THERM-X-TROL®

Thermal Expansion: Full Acceptance Bladder ST-440C and ST-450C Series ASME

**300 PSIG Working Pressure**

## Construction

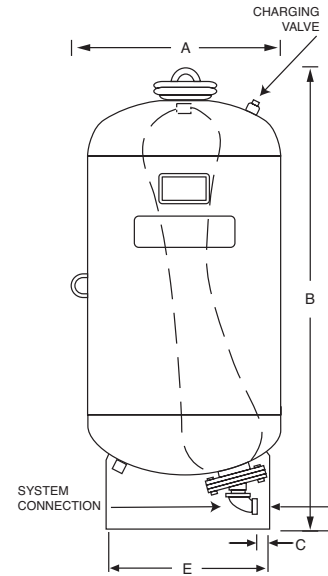
Shell	Steel
Bladder Material	Heavy Duty Butyl NSF/ANSI 61
Bladder Thickness	.100 In Minimum
System Connection	Bronze
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/ EPDM Seat
Factory Precharge	55 PSIG (3.8 bar)

## Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	300 PSIG (20.7 bar)
Warranty	1 Year

## Application

- For use in closed, potable water systems to control pressure build-up.
- Full acceptance replaceable bladder design.
- Optional sight glass and seismic restraints available.
- Designed and constructed per ASME Code Section VIII, Division 1.



## ASME Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		C System Conn. Height		D Conn. Centerline		E Stand Diameter		System Conn. (NPTF)	Shipping Weight	
	Gal	Lit		In	mm	In	mm	In	mm	In	mm	In	mm		Lbs	Kg
ST-447C	53	200	1.0	24	610	45	1143	2	51	3 $\frac{3}{4}$	95	19	483	2	425	193
ST-448C	80	300	1.0	24	610	59	1498	2	51	3 $\frac{3}{4}$	95	19	483	2	540	245
ST-449C	106	400	1.0	24	610	73	1854	2	51	3 $\frac{3}{4}$	95	19	483	2	560	254
ST-450C	132	500	1.0	24	610	87	2210	2	51	3 $\frac{3}{4}$	95	19	483	2	632	287
ST-451C	158	600	1.0	30	762	73	1854	3 $\frac{1}{2}$	89	5 $\frac{1}{2}$	140	24	610	2	895	406
ST-452C	211	800	1.0	30	762	91	2311	3 $\frac{1}{2}$	89	5 $\frac{1}{2}$	140	24	610	2	1107	502
ST-453C	264	1000	1.0	36	914	86	2184	4 $\frac{1}{2}$	114	7	178	30	762	3	1205	547
ST-454C	317	1200	1.0	36	914	98	2438	4 $\frac{1}{2}$	114	7	178	30	762	3	1400	635
ST-455C	370	1400	1.0	36	914	110	2794	4 $\frac{1}{2}$	114	7	178	30	762	3	1490	676
ST-456C	422	1600	1.0	48	1219	82	2083	7 $\frac{1}{2}$	191	7 $\frac{1}{8}$	178	42	1067	3	1830	830
ST-457C	528	2000	1.0	48	1219	97	2464	7 $\frac{1}{2}$	191	7 $\frac{1}{8}$	178	42	1067	3	2455	1114

All dimensions and weights are approximate.

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

