



SINCE 1908
wessels
 company

SUBMITTAL

TTA-SERIES

THERMAL EXPANSION TANKS

Models: TTA-5 thru TTA-210

Submittal Sheet No. B-1003B

Date: 10/12

Job Name _____	Submitted By _____	Date _____
Location _____	Approved By _____	Date _____
_____	Order No. _____	Date _____
Engineer _____	Notes _____	
Contractor _____		
Sales Rep. _____		

Description

Wessels TTA series are ASME fixed bladder type pre-charged thermal expansion tanks for commercial and industrial potable hot water applications. They are designed to be installed between a backflow preventor and a hot water heater to accept the expanded volume of hot water keeping the system pressure below the relief valve setting. The water is contained in a butyl bladder.

Construction

Shell: Carbon Steel
 Bladder: Heavy-duty Butyl (FDA Approved)
 System Connection: Stainless Steel

Performance Limitations

Maximum Design Temperature: 240°F
 Maximum Design Pressure: 150 PSIG*

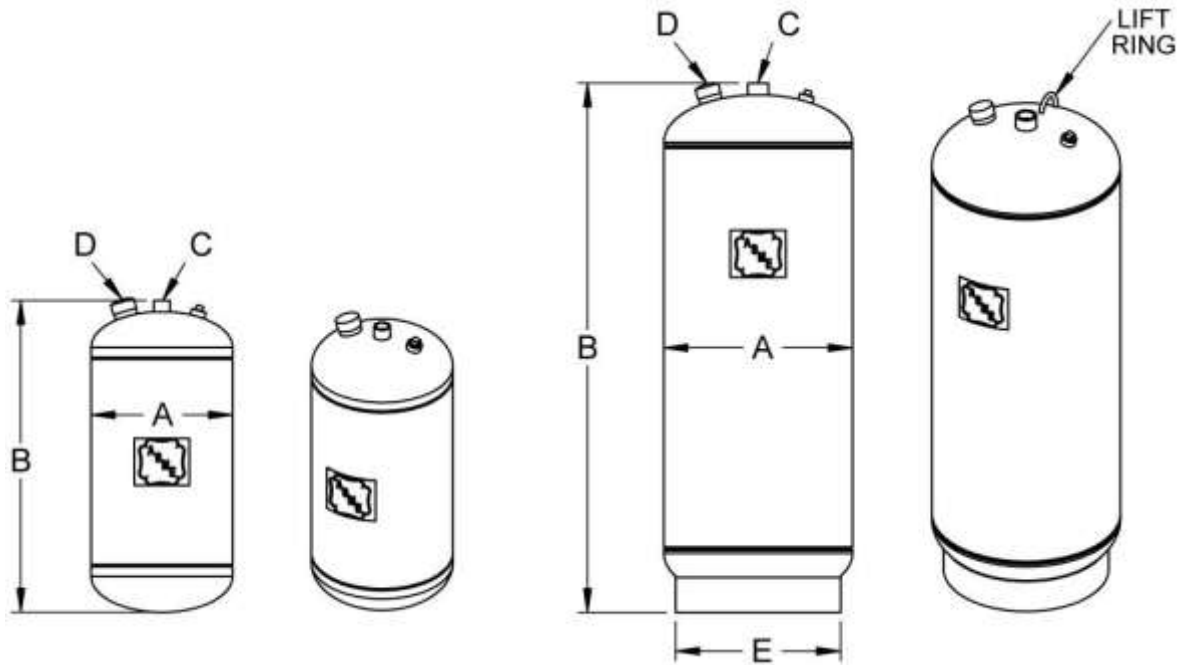
*200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Acceptance Volume (Gallons)	Tagging Information	Quantity
TTA-5	18020005	3.5	2.3		
TTA-12	18020012	5	3.3		
TTA-20	18020020	8	5.3		
TTA-30	18020030	15	10		
TTA-42	18020042	22	14.5		
TTA-60	18020060	26	17.5		
TTA-80	18020080	35	23.5		
TTA-100	18020100	45	30		
TTA-125	18020125	60	40		
TTA-160	18020160	70	47		
TTA-180	18020180	80	53		
TTA-210	18020210	90	60		

Typical Specification

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel thermal expansion tank with a fixed FDA approved heavy-duty butyl diaphragm. The tank shall be equipped with a NPT stainless steel system connection and a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code, and stamped 150 psi working pressure.

Each tank shall be Wessels model number TTA-_____ or approved equal.



TTA-5 & TTA-12

TTA-20 thru TTA-210

Dimensions & Weights

Model Number	Dimensions in Inches					Approx. Ship Weight (lbs)
	A	B	System Connection	Charging Valve	E	
			C	D		
TTA-5	10	14	3/4	0.302" -32NC	-	22
TTA-12	12	14			-	28
TTA-20		20			10	34
TTA-30	16	23	1	0.302" -32NC	14	64
TTA-42		31				88
TTA-60		34				93
TTA-80		45				109
TTA-100	20	39	1	0.302" -32NC	18	148
TTA-125		50				175
TTA-160		47				259
TTA-180	24	50	1	0.302" -32NC	22	268
TTA-210		53				283

Notes

- Tanks are factory pre-charged at 40 psi and field adjustable.
- California code-sight glass is available upon request.
- Lift ring on models TTA-20 thru TTA-210
- Available with mounting clips.