



SINCE 1908
wessels
 company

SUBMITTAL

TTA WessView-SERIES
 THERMAL EXPANSION TANKS

Models: TTA-5W thru TTA-210W
 Submittal Sheet No. B-1006C

Date: 10/16

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

Description

Wessels TTA WessView series are ASME fixed bladder type pre-charged thermal expansion tanks equipped with a Wessview tank integrity indicator 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: Steel

Performance Limitations

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

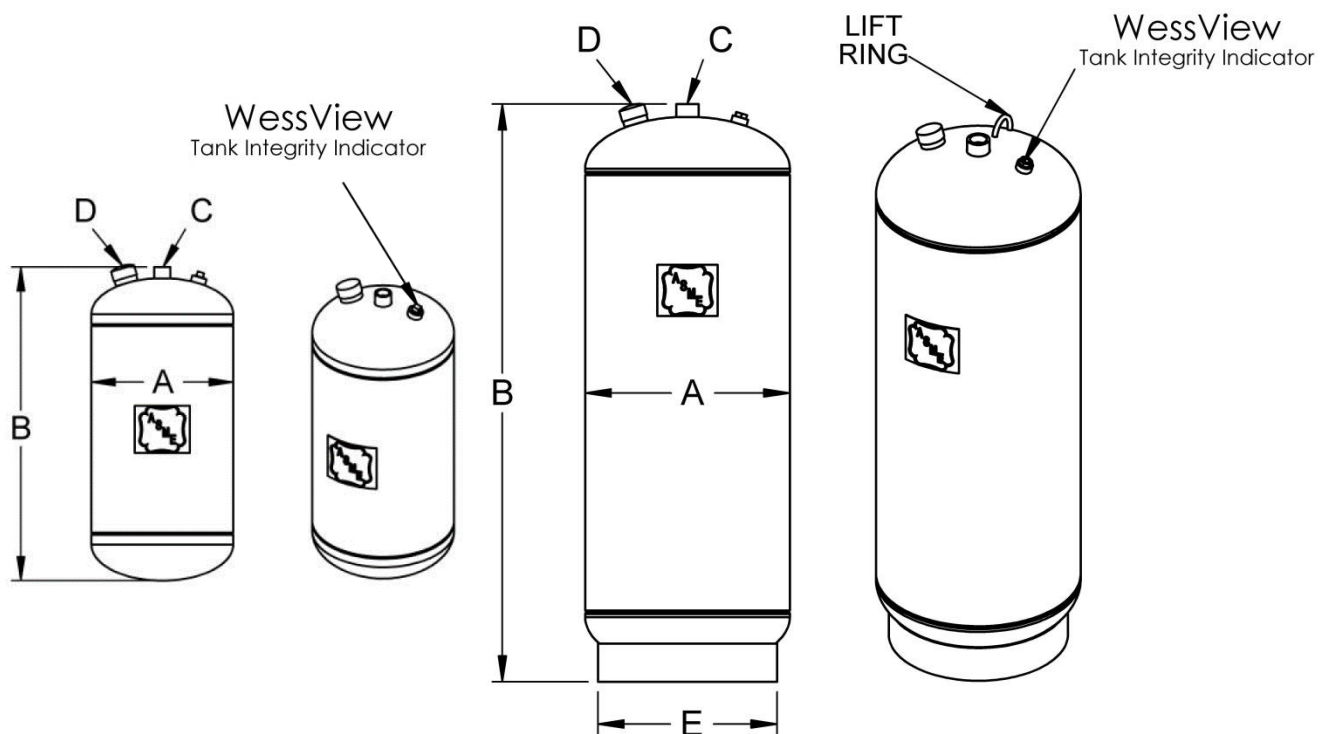
*200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Acceptance Volume (Gallons)	Tagging Information	Quantity
TTA-5W	18020005W	3.5	2.3		
TTA-12W	18020012W	5	3.3		
TTA-20W	18020020W	8	5.3		
TTA-30W	18020030W	15	10		
TTA-42W	18020042W	22	14.5		
TTA-60W	18020060W	26	17.5		
TTA-80W	18020080W	35	23.5		
TTA-100W	18020100W	45	30		
TTA-125W	18020125W	60	40		
TTA-160W	18020160W	70	47		
TTA-180W	18020180W	80	53		
TTA-210W	18020210W	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 diaphragm integrity indicator (WessView), NPT stainless steel system connection, and a .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-_____W or approved equal.



TTA-20W thru TTA-210W

Dimensions & Weights

Model Number	Dimensions in Inches					Approx. Ship Weight (lbs)
	A	B	System Connection	Charging Valve	E	
			C	D		
TTA-5W	10	14	3/4	0.302" -32NC	-	22
TTA-12W	12	14			-	28
TTA-20W		20			10	34
TTA-30W	16	24			1	14
TTA-42W		31	88			
TTA-60W		34	93			
TTA-80W		45	109			
TTA-100W	20	39	1 1/2		18	148
TTA-125W		50				175
TTA-160W	24	47			1 1/2	22
TTA-180W		50		268		
TTA-210W		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-20W thru TTA-210W
- Available with mounting clips.