

SINCE 1908
wessels
 company

SUBMITTAL

TTA-SERIES
 DOMESTIC HOT WATER
 EXPANSION TANKS

Models: TTA-5 to TTA-210

Submittal Sheet No. B-1003C

Rev. 3

7/30/2019

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 domestic hot water 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 heavy-duty butyl bladder. Products comply with NSF/ANSI Standard 61. TTA models can be installed in the horizontal position.

Construction:

Shell: Carbon Steel
 Heads: Carbon Steel
 Exterior: Red Oxide Primer
 Interior: Heavy-duty Butyl (FDA Approved)

Design Parameters:

Maximum Design Pressure: 150 PSIG*
 Temperature Range: -20°F to 240°F
 *200 & 250 PSIG available

Model Number	Part Number	Total Volume (Gal.)	Acceptance Volume (Gal.)	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	10.0		
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

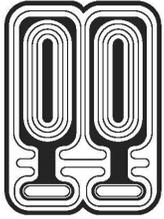
Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel domestic hot water expansion tank with a fixed FDA approved heavy-duty butyl diaphragm. The tank shall be equipped with a NPT stainless steel system connection and a .302"-32 charging valve connection (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. Products comply with NSF/ANSI Standard 61.

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



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101 Tank Street Greenwood, IN 46143
 P: 317-888-9800 F: 317-865-7411
 www.westank.com



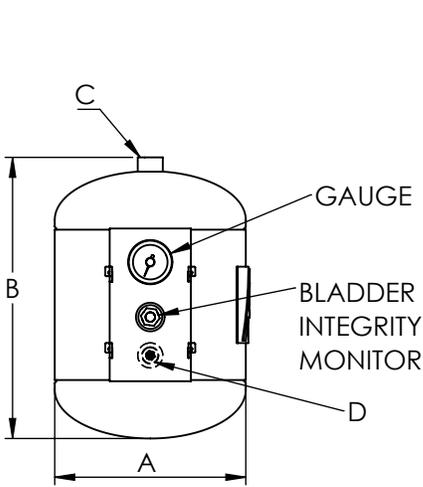
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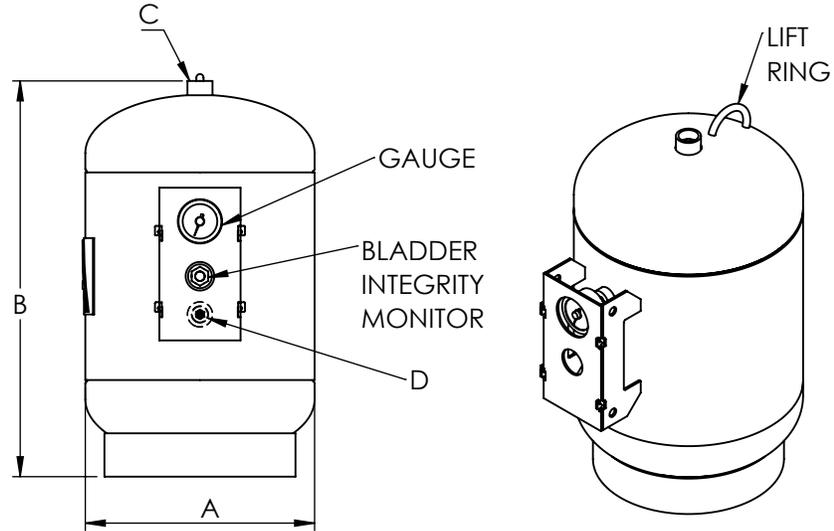
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TTA-5 & TTA-12



TTA-20 TO TTA-210

Dimensions & Weights

Model Number	Dimensions in Inches					Approx. 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	24	1		14	50
TTA-42		31				57
TTA-60		34				62
TTA-80		45				80
TTA-100	20	39	1 1/2		18	110
TTA-125		50				134
TTA-160	24	47	1 1/2		22	177
TTA-180		50		184		
TTA-210		53		193		

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



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