

SINCE 1908
wessels
 company

SUBMITTAL

TTA-Rx-SERIES

DOMESTIC HOT WATER
 EXPANSION TANKS

Models: TTA-5-Rx to TTA-210-Rx

Submittal Sheet No. B-1008B

Rev. 2

3/10/2022

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

Description:

Wessels TTA-Rx tanks are ASME fixed-diaphragm type pre-charged domestic hot water expansion tanks for commercial and industrial potable hot water applications. The TTA-Rx is designed to be installed between a backflow preventer 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 specially formulated heavy-duty butyl bladder that fights bacteriological growth and features an antimicrobial silver plated system connection. Products comply with NSF/ANSI Standard 61.

Construction:

Shell: Carbon Steel
 Heads: Carbon Steel
 Exterior: Red Oxide Primer
 Interior: Heavy-duty Butyl (FDA Approved)
 System Connection: Antimicrobial Silver Plated
 Stainless Steel

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-Rx	18220005	3.5	2.3		
TTA-12-Rx	18220012	5	3.3		
TTA-20-Rx	18220020	8	5.3		
TTA-30-Rx	18220030	15	10.0		
TTA-42-Rx	18220042	22	14.5		
TTA-60-Rx	18220060	26	17.5		
TTA-80-Rx	18220080	35	23.5		
TTA-100-Rx	18220100	45	30		
TTA-125-Rx	18220125	60	40		
TTA-160-Rx	18220160	70	47		
TTA-180-Rx	18220180	80	53		
TTA-210-Rx	18220210	90	60		

Typical Specification

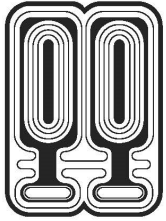
Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel domestic hot water expansion tank with a fixed FDA approved heavy-duty butyl diaphragm. The tank shall be equipped with an antimicrobial silver plated NPT stainless steel system connection and a .302"-32 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-_____ -Rx or approved equal.



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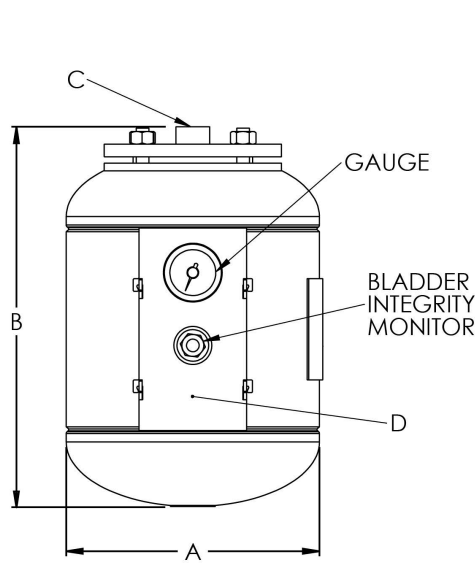
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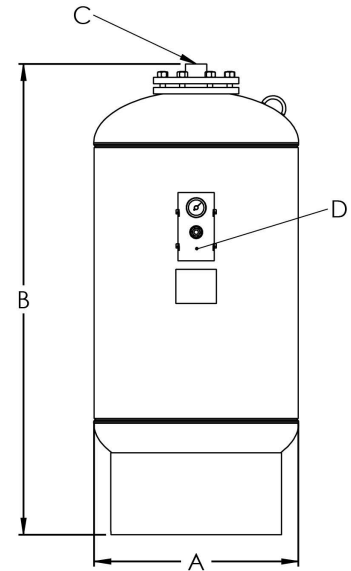
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TTA-5-Rx & TTA-12-Rx



TTA-20-Rx TO TTA-210-Rx

Dimensions & Weights

Model Number	Dimensions in Inches					Approx. Weight (lbs)
	A	B	System Connection	Charging Valve	Base Ring	
			C	D		
TTA-5-Rx	10	14	3/4	0.302" -32NC	-	22
TTA-12-Rx	12	14			-	28
TTA-20-Rx		20			10	34
TTA-30-Rx	16	24	1		14	50
TTA-42-Rx		31				57
TTA-60-Rx		34				62
TTA-80-Rx		45				80
TTA-100-Rx	20	39	1 1/2		18	110
TTA-125-Rx		50				134
TTA-160-Rx	24	47	1 1/2		22	177
TTA-180-Rx		50		184		
TTA-210-Rx		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-Rx thru TTA-210-Rx
- Antimicrobial silver plated system connection
- Available with mounting clips



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