



SINCE 1908
wessels
 company

SUBMITTAL

TXA-SERIES with WessGuard®

THERMAL EXPANSION TANKS

Models: TXA-35-WG thru TXA-2000-WG

Submittal Sheet No. B-1005A

Date: 4/16

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

Description

Wessels TXA Tanks are ASME removable bladder type pre-charged expansion tanks with WessGuard® bladder monitor. They are designed to be installed between a backflow preventer and a hot water heater so it can accept the expanded volume of hot water and keep the system pressure below the relief valve setting. If the system creates a condition to extend the bladder beyond normal movement, WessGuard monitor will activate an audible and LED alarm to notify maintenance staff of this potential systems issue. The system's expanded water (fully compatible with water/glycol mixtures) is contained in a full acceptance heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems.

Construction

Shell: Carbon Steel
 Bladder: Heavy Duty Butyl
 System Connection: Stainless Steel

Performance Limitations

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

*200 & 250 PSIG available

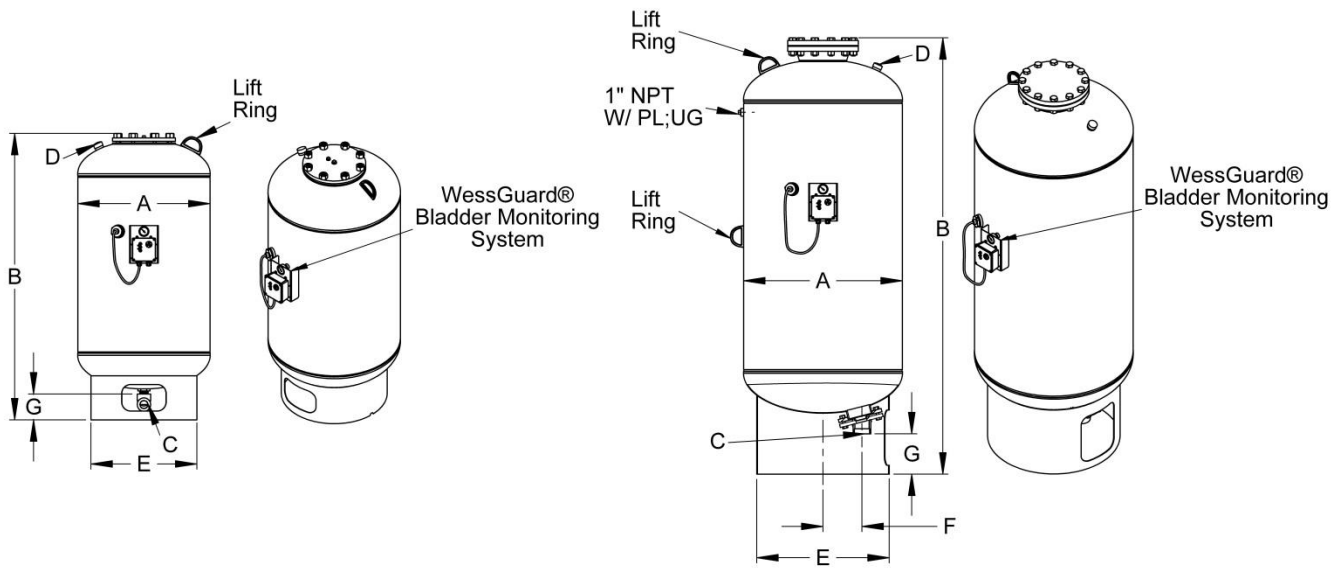
Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
TXA-35-WG	60010035	10		
TXA-50-WG	60010050	13		
TXA-85-WG	60010085	23		
TXA-130-WG	60010130	35		
TXA-200-WG	60010200	53		
TXA-300-WG	60010300	79		
TXA-400-WG	60010400	106		
TXA-500-WG	60010500	132		
TXA-600-WG	60010600	158		
TXA-800L-WG	60010805	211		
TXA-1000-WG	60011000	264		
TXA-1200-WG	60011200	317		
TXA-1400-WG	60011400	370		
TXA-1600-WG	60011600	422		
TXA-2000-WG	60012000	528		

Typical Specification

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel thermal expansion tank with a replaceable FDA approved butyl bladder. The tank shall have capacitive sensor bladder monitor with visual and audible alarm that activates based on excessive bladder movement. The tank shall have NPT stainless steel system connections 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 of the ASME Boiler and Pressure Vessel Code and stamped 150 psi working pressure.

Each tank shall be Wessels model number SMART TANK SERIES™ TXA-_____WG or approved equal.

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TXA-85-WG thru TXA-800L-WG

TXA-1000-WG thru TXA-2000-WG

Dimensions & Weights

Model Number	Dimensions in Inches							Approx. Ship Wt. (lbs)		
	A	B	System Connection	Charging Valve	E	F	G			
			C	D						
TXA-35-WG	12	23 1/2	3/4	0.302" - 32NC	10		-	40		
TXA-50-WG	14	24			10				5 1/4	50
TXA-85-WG	16	37			12					
TXA-130-WG	20		16		220		236			
TXA-200-WG	24	43	20			315				
TXA-300-WG	30	55			1 1/2		24	347		
TXA-400-WG		49	2			28			4 3/4	378
TXA-500-WG	57	3			30		8	8		
TXA-600-WG	65		86 1/2			42			9	9
TXA-800L-WG	76	36			3		30	8		
TXA-1000-WG	86 1/2		48	3		42			9	9
TXA-1200-WG	98 1/2	84			3		42	9		
TXA-1400-WG	110 1/2		96	3		42			9	9
TXA-1600-WG	84									
TXA-2000-WG	96									

Notes

- Tanks are factory pre-charged at 40 psi and field adjustable.
- California code-sight glass is available upon request.
- Available with mounting clips.