



Submittal Form

ZTXA-FF Series

Full Flow Thermal Expansion
Tank - ZTXA-FF

Date: 9/25

Company Name: _____	Contact: _____
Bill to: _____	Date: _____
_____	Purchase Order No. _____
Ship to: _____	Notes _____
_____	_____

Description

ZilmetUSA ZTXA-FF tanks are ASME thermal expansion tanks for commercial and industrial potable hot water applications. The ZTXA-FF tanks are designed with a unique flow-through flow tube that promotes fluid mixing. This disrupts stagnant water in order to prevent growth of potentially harmful bacteria. Install 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. The water is contained in a butyl bladder. All ZTXA-FF comply with NSF/ANSI Std61 and can be installed vertically or horizontally.

Construction

Shell and Heads: Carbon Steel Bladder: Replaceable Heavy-duty Butyl (FDA Approved), Full Acceptance System Connection: Stainless Steel

Performance Limitations

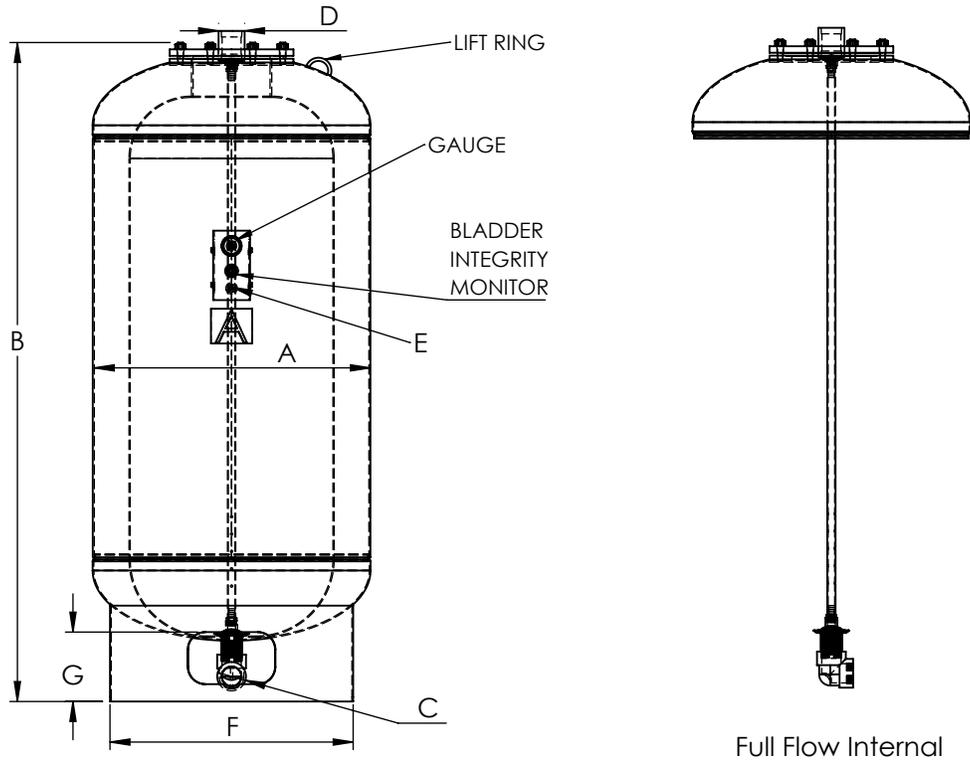
Maximum Design Temperature: 240°F
Maximum Design Pressure: 150 PSIG*
*200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
ZTXA-85-FF	2010085	23		
ZTXA-130-FF	20110130	35		
ZTXA-200-FF	20110200	53		
ZTXA-300-FF	20110300	79		
ZTXA-400-FF	20110400	106		
ZTXA-500-FF	20110500	132		
ZTXA-600-FF	20110600	158		
ZTXA-800L-FF	20110805	211		

Typical Specification

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged steel domestic hot water expansion tank with replaceable FDA approved butyl bladder. The tank is to incorporate a flow through design, eliminating water stagnation potential. The tank shall have a bottom NPT stainless steel system connection, a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements, a pressure gauge, and bladder integrity monitor. The tank shall be fitted with lifting rings and a floor mounting skirt for vertical installation. 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 Zilmet model number ZTXA-_____-FF or approved equal.



Dimensions & Weights:

Model Number	Dimensions in Inches						Approx. Shipping Weight (lbs)	
	A	B	System Connection		Charging Valve	F		G
			C	D	E			
ZTXA-85-FF	16	37	1 NPT	1 NPT	0.302" - 32NC	12	5 1/2	90
ZTXA-130-FF	20					16		132
ZTXA-200-FF	24	43	1 1/2 NPT	1 1/2 NPT		20	5 1/4	220
ZTXA-300-FF		55						236
ZTXA-400-FF	30	49	2 NPT	2 NPT		24		315
ZTXA-500-FF		57						347
ZTXA-600-FF		65					378	
ZTXA-800L-FF	32	76			28		503	

Notes:

- Tanks are factory pre-charged at 40 psig and field adjustable.
- California code site glass is standard.
- Pressure gauge and side mounted air stem are standard.
- Both top and bottom connections (C and D) access the bladder.
- Bottom connection C is intended to be used for main water supply connection. Top connection D can be used for auxiliary gauge, pressure switch, etc.
- Mounting clips are available upon request.
- U.S. Patent No. 8,633,825 B2.