

ASME EXPANSION TANK FOR POTABLE WATER

– Replaceable bladder

Calefactio type TXA tanks are ASME replaceable bladder type precharged thermal expansion tanks for commercial and industrial potable hot water applications.

They are 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.

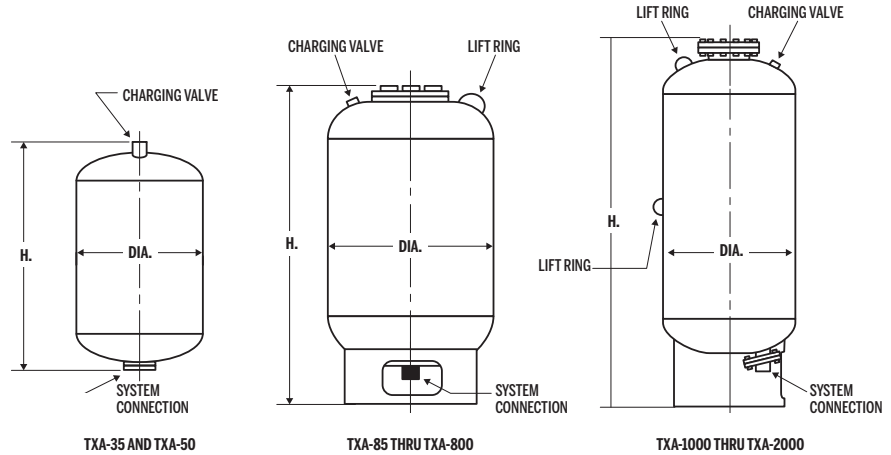
The water is contained in a butyl bladder.

CONSTRUCTION

- Shell: Carbon steel
- Bladder: Heavy duty butyl (FDA Approved)
- System connection: Stainless steel

PERFORMANCE LIMITATIONS

- Maximum design pressure: 150 psig
- Maximum design temperature: 240 °F



Model	Total volume		Dimensions				NPT Connection		Approx. weight	
			Diameter		Height					
	gal	L	in	mm	in	mm	in	mm	lb	kg
TXA-35	10	38	12	305	25	635	3/4	19	40	18
TXA-50	13	49	14	356	25	635	3/4	19	50	23
TXA-85	23	87	16	406	37	940	1	25	90	41
TXA-130	35	132	20	508	37	940	1	25	132	60
TXA-200	53	201	24	610	43	1092	1 1/2	38	220	100
TXA-300	79	299	24	610	55	1397	1 1/2	38	236	107
TXA-400	106	401	30	762	49	1245	1 1/2	38	315	143
TXA-500	132	500	30	762	57	1448	2	51	347	157
TXA-600	158	598	30	762	65	1651	2	51	378	171
TXA-800L	211	799	32	813	76	1930	2	51	503	228
TXA-1000	264	999	36	914	87	2210	3	76	795	360
TXA-1200	317	1200	36	914	98	2489	3	76	820	372
TXA-1400	370	1401	36	914	111	2819	3	76	980	445
TXA-1600	422	1597	48	1219	84	2134	3	76	1395	633
TXA-2000	528	1999	48	1219	96	2438	3	76	1525	692

QUANTITY: _____ MODEL: TXA- _____

OPTION: Seismic bracket – Suffix “VB”
(Fits models TXA-85 to TXA-2000)

Notes: _____

Project: _____

Representative: _____

Location: _____

Date submitted: _____

Engineer: _____

Approved by: _____

Contractor: _____

Date of approval: _____

TYPICAL SPECIFICATIONS: Furnish and install, as shown on the plans, Calefactio model TXA-_____ ASME air precharged thermal expansion tank, with a heavy duty butyl replaceable bladder. The tank shall have a bottom NPT stainless steel system connection and a .302”-32 charging valve (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank shall be fitted with lifting rings and a floor mounting skirt for vertical installation. The tank must be constructed in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code and stamped 150 psi working pressure.