

## FLEXCON FTXA-SERIES THERMAL EXPANSION TANKS

**Description:** Flexcon FTXA-series tanks are ASME-rated replaceable diaphragm type pre-charged thermal expansion tanks for potable water applications. 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. The system's expanded water is contained in a heavy-duty butyl bladder. All sizes can be installed vertically or horizontally.

**Shell Construction:** Carbon Steel

**Bladder Construction:** Heavy Duty Butyl (FDA/NSF), Replaceable

**Exterior Finish:** Red Oxide Primer

**Maximum Design Temperature:** 240°F/116°C

**Maximum Design Pressure:** 150 PSIG\*

**Note:** \*200 and 250 PSIG available on request

Model	Tank Volume (L)	A (in)	B (in)	C (in)	D (in)	E	F (in)	G (in)	Wt. (lb)
FTXA-35	35	12	23 ½	N/A	¾	.302"-32NC	10	N/A	40
FTXA-50	50	14	24	N/A	¾	.302"-32NC	10	N/A	50
FTXA-85	85	16	37	1	¾	.302"-32NC	12	5 ½	90
FTXA-130	130	20	37	1	¾	.302"-32NC	16	5 ½	125
FTXA-200	200	24	43	1 ½	¾	.302"-32NC	20	5 ¼	210
FTXA-300	300	24	55	1 ½	¾	.302"-32NC	20	5 ¼	225
FTXA-400	400	30	49	1 ½	¾	.302"-32NC	24	5 ¼	300
FTXA-500	500	30	57	2	¾	.302"-32NC	24	5 ¼	335
FTXA-600	600	30	65	2	¾	.302"-32NC	24	5 ¼	360
FTXA-800	800	32	76	2	¾	.302"-32NC	28	5 ¼	475
FTXA-1000	1000	36	87	3	1	.302"-32NC	30	9 1/8	735
FTXA-1200	1200	36	98 ½	3	1	.302"-32NC	30	9 1/8	745
FTXA-1400	1400	36	110 ½	3	1	.302"-32NC	30	8 7/8	900
FTXA-1600	1600	48	84	3	1	.302"-32NC	42	9 1/8	1210
FTXA-2000	2000	48	96	3	1	.302"-32NC	42	9 1/8	1305
FTXA-2500	2500	48	110	4	1	.302"-32NC	42	8 7/8	1430

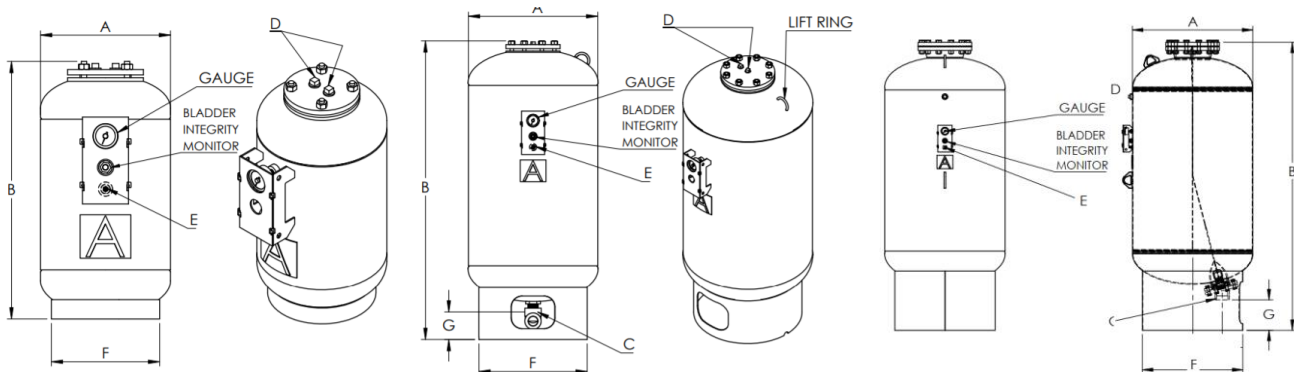


Figure 1: FTXA-35/FTXA-50 (Left), FTXA-85 to FTXA-800 (Center), FTXA-1000 to FTXA-2500 (Right)

**Additional Notes:** Tanks are factory pre-charged at 40 psi and are field-adjustable. Both C and D connections access the bladder. Connection C is intended to be used for main water supply connection. Connection D can be used for auxiliary gauge, pressure switch, etc. Larger sizes available upon request. US Patent 8,633,825 B2.