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*XT-XTV Series - Expansion Tanks*



# Elbi's XT-XTV Series Expansion Tanks...



The XT-XTV Series diaphragm expansion tanks are available in sizes from 2 to 80 gallons in either in-line or stand models (see chart). Designed and manufactured by Elbi since 1975, the XT-XTV Series expansion tanks are solid and have proven reliable in millions of installations worldwide.

The two shell welded construction allows the tank to withstand high pressure ratings and therefore adds safety to your system. The BUTYL diaphragm separates the air from the water and prevents waterlogging while saving space and energy. Product is intended for use in hot water, solar and cooling systems and is compatible with glycol. Call our factory for compatibility and suitability in special applications.

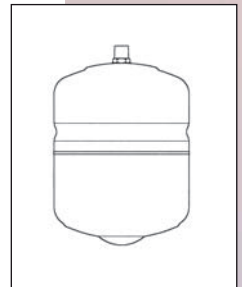


## FEATURES AND BENEFITS

FEATURE	BENEFIT
• <b>WELDED STRONG CONSTRUCTION</b>	Steel shells are designed to withstand high pressure loads and add safety to your installation. Tanks are sturdy and built to last while at the same time they are lightweight, easy to handle and simple to install.
• <b>HEAVY DUTY BUTYL DIAPHRAGM</b>	Withstands temperatures as high as 240°F. Of solid construction, manufactured in house through an injection molding process. Made of proprietary food quality compound which will not release taste or odors in the water. Compatible with glycol, solar and cooling systems.
• <b>EPOXY GRAY PAINT FINISH</b>	Provides an attractive, durable appliance like finish obtained through an oven baking process of the epoxy paint powder.
• <b>12 PSI FACTORY PRECHARGE ON ALL MODELS</b>	Suits most common installations. The precharge can be manually adjusted on site.

## DIMENSIONAL DATA

Model Number	Capacity (Gal.)	Acceptance Volume* (Gal.)	Conn. NPTM (in.)	Max. Working Pressure (PSIG)	Factory <sup>1</sup> Precharge (PSIG)	Max. Working Temperature (° F)	Diameter (in.)	Height (in.)	Weight (lbs.)
<b>IN-LINE MODELS</b>									
XT-15	2.1	1.4	1/2"	150	12	210	8	11 3/4	6.34
XT-30	5.0	3.0	1/2"	150	12	210	10 1/2	15	11.50
XT-60	6.5	4.2	1/2"	150	12	210	10 3/4	17	13.72
XT-90	13	8.5	1"	150	12	210	15 3/4	20	24
<b>STAND MODELS</b>									
XTV-30	13	8.5	1"	150	12	210	15 3/4	25	27.16
XTV-40	21	14	1"	90	12	210	15 3/4	32	41.16
XTV-60	27	17	1"	90	12	210	20	29 1/2	48.16
XTV-90	40	26	1"	90	12	210	20	38	63.16
XTV-100	53	36	1"	90	12	210	24	42 1/3	80.16
XTV-110	66	42	1"	90	12	210	26	40 1/2	90.2
XTV-160	80	52	1"	90	12	210	26	45	111.16



\* At 60 PSIG; Maximum working pressure allowed in Canada: 30 PSIG

\*\* When installed in normal environmental conditions. By normal environmental conditions it is meant environments which are free of acids, scale or chemical deposits or other factors known to affect paints, coatings and metals.

1) Factory precharge can be affected by variations in environmental conditions (ex. temperature changes) and systems conditions (ex. pressure changes). Product should be carefully inspected upon receipt and all charges should be adjusted to fit your particular system installation.

## XT-XTV EXPANSION TANKS - SELECTION TABLES

### TABLE 1 - TYPE OF RADIATION

Boiler Net Output* baseboard	Fin tube baseboard or radiant panels	Convectors or unit heaters	Cast iron radiators	Cast iron baseboard
25	XT-15	XT-15	XT-15	XT-15
50	XT-15	XT-15	XT-30	XT-30
75	XT-30	XT-30	XT-30	XT-60
100	XT-30	XT-30	XT-60	XT-60
125	XT-30	XT-60	XT-60	XT-90
150	XT-30	XT-60	XT-90	XT-90
175	XT-60	XT-60	XT-90	XT-90
200	XT-60	XT-60	XT-90	XT-90
250	XT-60	XT-90	XT-90	XTV-40
300	XT-90	XT-90	XT-90	XTV-40
350	XT-90	XT-90	XTV-40	XTV-60
400	XT-90	XTV-40	XTV-40	XTV-60

\* in 1000s BTU/Hour - Fill pressure 12 PSIG/ Relief Pressure 30 PSIG/Average System Temperature 200° F

### TABLE 2 - SYSTEM CONTENT

System Content	100°F	110°F	120°F	130°F	140°F	150°F	160°F	170°F	180°F	190°F	200°F	210°F
25	XT-15	XT-15	XT-15	XT-15	XT-15	XT-15	XT-15	XT-15	XT-15	XT-15	XT-30	XT-30
50	XT-15	XT-15	XT-15	XT-15	XT-15	XT-30	XT-30	XT-30	XT-30	XT-30	XT-30	XT-30
75	XT-15	XT-15	XT-15	XT-30	XT-30	XT-30	XT-30	XT-30	XT-60	XT-60	XT-60	XT-90
100	XT-15	XT-15	XT-30	XT-30	XT-30	XT-30	XT-60	XT-60	XT-90	XT-90	XT-90	XT-90
200	XT-30	XT-30	XT-30	XT-60	XT-90	XT-90	XT-90	XT-90	XTV-40	XTV-40	XTV-40	XTV-40
300	XT-30	XT-60	XT-90	XT-90	XT-90	XT-90	XTV-40	XTV-40	XTV-40	XTV-60	XTV-60	XTV-90
400	XT-60	XT-90	XT-90	XT-90	XTV-40	XTV-40	XTV-40	XTV-40	XTV-90	XTV-90	XTV-90	XTV-90
500	XT-90	XT-90	XT-90	XTV-40	XTV-40	XTV-60	XTV-60	XTV-90	XTV-90	XTV-90	XTV-100	XTV-100
600	XT-90	XT-90	XTV-40	XTV-40	XTV-60	XTV-60	XTV-90	XTV-90	XTV-100	XTV-100	XTV-100	XTV-110
700	XT-90	XT-90	XTV-40	XTV-60	XTV-60	XTV-90	XTV-90	XTV-100	XTV-100	XTV-110	XTV-110	XTV-160
800	XT-90	XTV-40	XTV-40	XTV-60	XTV-90	XTV-90	XTV-100	XTV-100	XTV-110	XTV-110	XTV-160	XTV-160
900	XT-90	XTV-40	XTV-60	XTV-90	XTV-90	XTV-90	XTV-100	XTV-110	XTV-110	XTV-160	XTV-160	2 x XTV-100
1000	XTV-40	XTV-40	XTV-60	XTV-90	XTV-90	XTV-110	XTV-100	XTV-110	XTV-160	XTV-160	2 x XTV-100	2 x XTV-100

Fill pressure: 12 PSIG, Relief pressure: 30 PSIG, System Fill Temperature: 40°F

## MAINTENANCE

It is recommended that a periodic maintenance inspection of the complete heating system be performed by a professional licensed plumber. The inspection must be done at least once a year and, during such check, the tank's precharge should be tested and adjusted to the correct pressure if necessary. Failure to perform periodic maintenance will void all warranty.

We strongly recommend the use of dielectric union when connecting dissimilar metals.

### PACKAGING AND SHIPPING DATA

Model Number	Packaging Dimensions (in.)	Volume (cu.ft.)	Quantity per Pallet
<b>IN-LINE MODELS</b>			
XT-15	8.43x8.43x12.60	0.35	162
XT-30	10.83x10.83x17.52	1.06	70
XT-60	13.00x13.00x14.76	1.41	70
XT-90	16.14x16.14x21.06	3.08	33
<b>STAND MODELS</b>			
XTV-30	16.14x16.14x24.02	3.52	33
XTV-40	16.14x16.14x33.86	4.96	22
XTV-60	20.08x20.08x32.68	7.40	10
XTV-90	20.08x20.08x40.94	9.27	8
XTV-100	24.02x24.02x41.34	13.40	8
XTV-110	25.98x25.98x47.64	18.07	6
XTV-160	25.98x25.98x50.39	19.11	6

\*Quantity per pallet may vary depending on the size of the pallets and the limitations presented by the means of transportation used when shipping out the product to its final destination. In case there are differences between the quantities per pallet listed here and the actual quantity per pallet loaded, you will be contacted by one of our staff members.

## WARRANTY

Elbi's XT - XTV Series tanks are guaranteed to be free of workmanship or material defects for a period of five (5) years from the date of manufacturing. For a complete description of our warranty policy consult the literature which comes with the product or call our offices to request a copy.



## Who We Are...

*Elbi has over 30 years of experience in tank manufacturing and a worldwide reputation for quality, offering an extensive line of products which satisfy the taste and exigency of all modern installations in water distribution, water storage, water heating and water treatment systems. We are represented in all major world markets either by a network of authorized distributors or by direct presence. Our widespread presence ensures that our lines of products always keep up with all technological advances.*

*Our most valuable assets are experience and reputation. We take pride in equipping our plants with the most modern production equipment including robotic systems, CAD/CAM machines and automatic welding and assembly systems.*

*Product design is handled by our internal development team, our testing facilities and quality control services which ensures that you get a quality product from design to installation. All of the components are manufactured in house to ensure total control of the manufacturing process, this includes our butyl diaphragm.*

*Our manufacturing plant, located in Houston TX, started operations in 1990 and since 2000 has become fully operational. Another plant located in northern Italy is dedicated to the manufacturing of our diaphragms and bladders through modern injection molding processes, and holds the quality control of these critical components in-house.*

