Lochinvar®
HIGH EFFICIENCY BOILERS & WATER HEATERS

Thermal Expansion Tanks

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Lochinvar's LTCPA series are ASME fixed diaphragm, pre-charged thermal expansion tanks. Designed for hydronic heating systems or potable hot water systems, the tank uses compressed air to maintain system pressures by accepting and expelling the changing volume of water as it heats and cools. These tanks employ a fixed diaphragm, flexing butyl barrier that separates the stored water from the pressure control air cushion. The thermal expansion tanks are engineered to meet ASME standards.



Outstanding Features:

Construction - The shell is painted carbon steel and the fixed diaphragm is heavy-duty Butyl which is FDA approved for potable hot water systems. The system connections are stainless steel. Lifting rings are standard on LTCPA-20 through LTCPA-210.

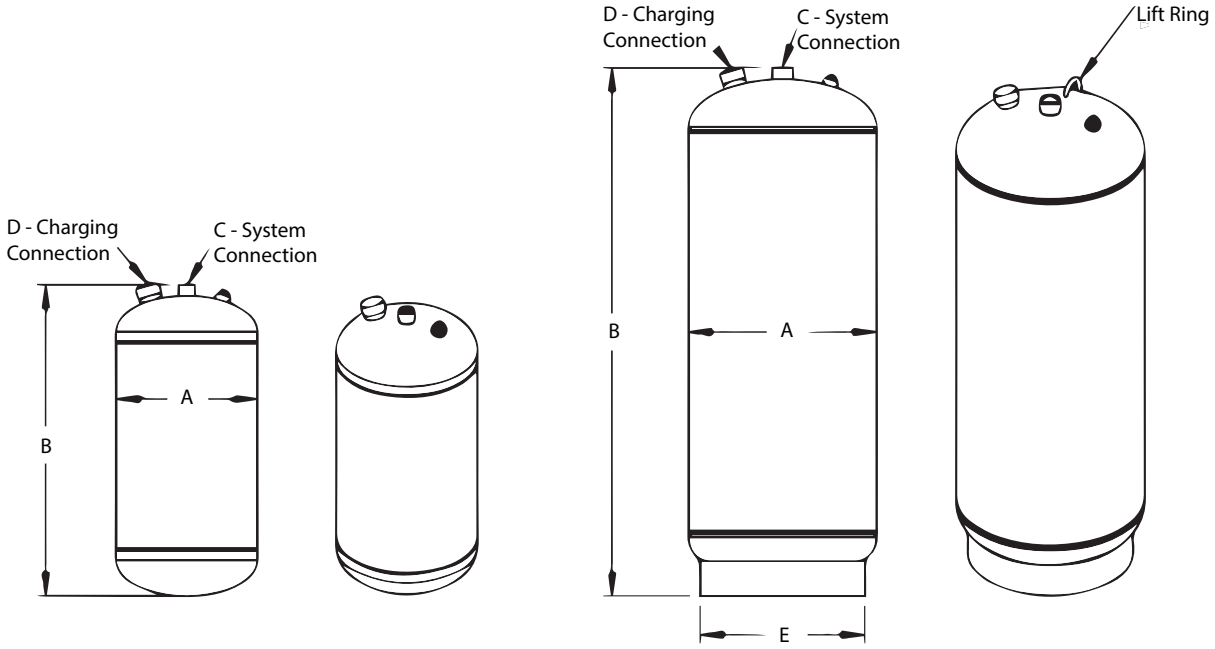
Gallon Capacities - The LTCPA series is available in tank gallon capacities from 3.5 to 90 gallons.

Temperature and Pressure Rating - The LTCPA series has a maximum temperature rating of 240°F and a maximum working pressure rating of 150 PSI. The tanks are factory pre-charged to 40 PSI which is field adjustable.

Code Certification - The tanks are design certified to ASME Section VIII, the Boiler and Pressure Vessel Code and are stamped for its 150 PSI maximum working pressure. Non-ASME models are available. Consult factory for details.

Horizontal construction is available. Consult factory for specific options.

Thermal Expansion Tank Dimensions and Specifications



Model Number	Tank Volume (Gal)	Acceptance Volume (Gal)	A	B	C	D	E	Ship Wt.
LTCPA5	3.5	2.3	10″	14″	3/4″	0.302″ -32NC	-	22
LTCPA12	5	3.3	12″	14″	3/4″	0.302″ -32NC	-	28
LTCPA20	8	5.3	12″	20″	3/4″	0.302″ -32NC	10″	34
LTCPA30	15	10.0	16″	24″	1″	0.302″ -32NC	14″	64
LTCPA42	22	14.5	16″	31″	1″	0.302″ -32NC	14″	88
LTCPA60	26	17.5	16″	34″	1″	0.302″ -32NC	14″	93
LTCPA80	35	23.5	16″	45″	1″	0.302″ -32NC	14″	109
LTCPA100	45	30.0	20″	39″	1″	0.302″ -32NC	18″	148
LTCPA125	60	40.0	20″	50″	1″	0.302″ -32NC	18″	175
LTCPA160	70	47.0	24″	47″	1-1/2″	0.302″ -32NC	22″	259
LTCPA180	80	53.0	24″	50″	1-1/2″	0.302″ -32NC	22″	268
LTCPA210	90	60.0	24″	53″	1-1/2″	0.302″ -32NC	22″	283

Options

- California code-sight glass is available upon request
- Available with mounting clips

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