



THERM-X-TROL®

Water Heater Expansion Tanks

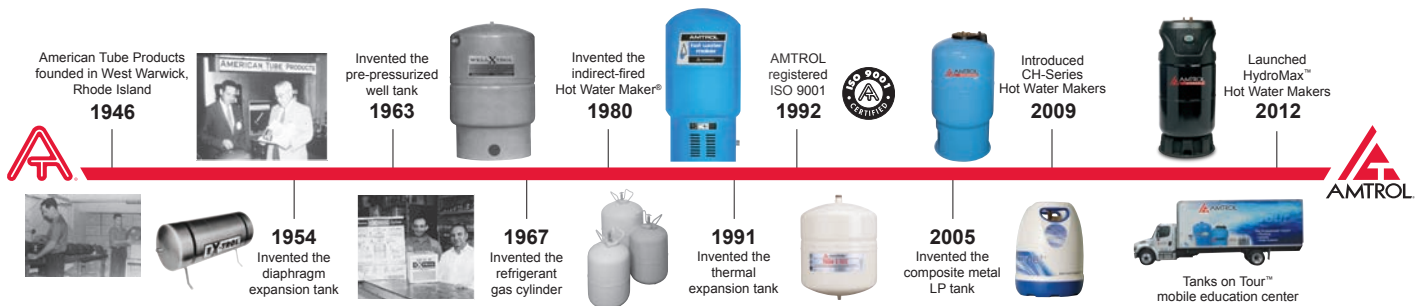


For Thermal Expansion Control in Domestic Water Systems



THERM-X-TROL®

Amtrol invented the thermal expansion tank to control pressure build-up in closed, hot water systems. This prevents the water heater pressure relief valve from opening, saves energy and eliminates a potential safety hazard. All Therm-X-Trol expansion tanks are made in the USA in our ISO 9001:2008 registered facilities.



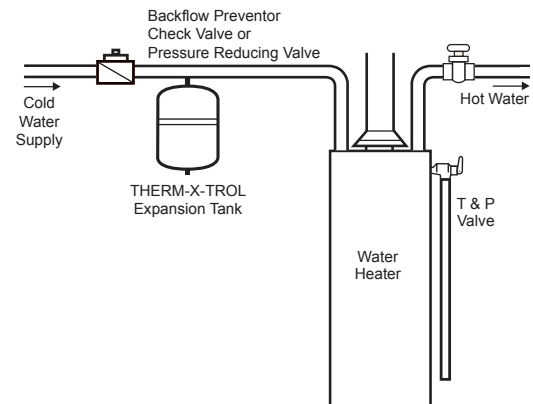
THERM-X-TROL

- Accepts expanded water caused by thermal expansion.
- Returns water to the system when hot water is used.
- Prevents dripping faucets, intermittent toilet fill and pressure relief valve discharge.
- Protects water heater, appliances and fixtures.
- Eliminates wasted energy and water.
- Prevents dangerous pressure buildup.

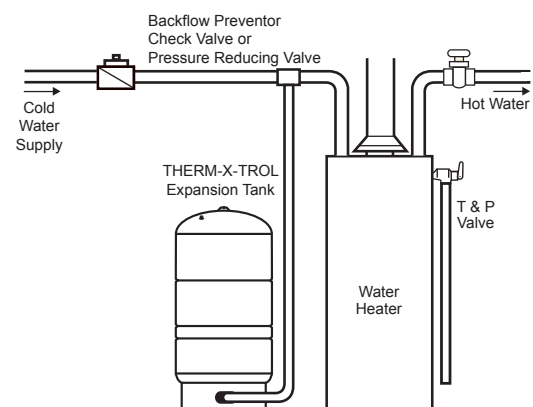


Typical Installations

In-Line Models



Stand Models

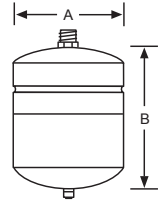


Thermal Expansion Tanks



THERM-X-TROL® In-Line Models

- Accepts expanded water as system temperature rises and returns hot water to system when demand occurs.
- Required by most building codes where backflow preventors are specified.



Specifications

Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	A Diameter (Inches)	B Height (Inches)	System Connection (NPTM)	Shipping Weight (lbs.)
ST-5	2.0	0.9	8	13	3/4	5
ST-8	3.2	1.9	9	15	3/4	7
ST-12	4.4	3.2	11	15	3/4	9

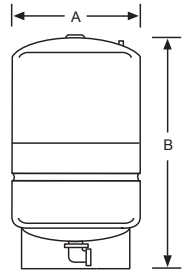
Stainless Steel System Connection.

Maximum Operating Temperature: 200°F. Maximum Working Pressure: 150 psig. Factory Pre-charge: 40 psig.



THERM-X-TROL Vertical Models

- Designed for large residential and light commercial applications.
- Ideal for apartment buildings, elderly housing, food service, hospitals, laundromats and dormitories.
- Multiple units can be installed to accommodate larger systems.
- Visit www.amtrol.com for sizing information.



Specifications

Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	A Diameter (Inches)	B Height (Inches)	System Connection (NPTF)	Shipping Weight (lbs.)
ST-25V	10.3	10.3	15	19	3/4	23
ST-30V	14.0	11.3	15	24	3/4	25
ST-42V	20.0	11.4	15	32	3/4	33
ST-60V	34.0	34.0	22	30	1 1/4	61
ST-80V	44.0	33.9	22	36	1 1/4	69
ST-180V	62.0	34.1	22	47	1 1/4	92
ST-200V	81.0	33.2	22	56	1 1/4	103
ST-210V	86.0	46.4	26	47	1 1/4	123

Stainless Steel System Connection.

Maximum Operating Temperature: 200°F. Maximum Working Pressure: 150 psig. Factory Pre-charge: 40 psig.

Quick Sizing Charts

Maximum Temperature Setting 140°F				Maximum Temperature Setting 160°F				Maximum Temperature Setting 180°F			
Water Heater Size (gals.)	Static Supply Pressure (psig)			Water Heater Size (gals.)	Static Supply Pressure (psig)			Water Heater Size (gals.)	Static Supply Pressure (psig)		
	40	60	80		40	60	80		40	60	80
40	ST-5	ST-5	ST-5	40	ST-5	ST-5	ST-8	40	ST-8	ST-8	ST-8
50	ST-5	ST-5	ST-5	50	ST-5	ST-8	ST-8	50	ST-8	ST-8	ST-12
60	ST-8	ST-8	ST-8	60	ST-8	ST-8	ST-12	60	ST-8	ST-12	ST-25V
80	ST-8	ST-8	ST-12	80	ST-8	ST-12	ST-25V	80	ST-12	ST-25V	ST-25V
120	ST-12	ST-12	ST-25V	120	ST-12	ST-25V	ST-25V	120	ST-25V	ST-25V	ST-25V

Sizing based on: 40°F incoming water temperature; 150 psi T&P safety relief valve; Pre-charge equal to static supply pressure. For larger applications: Visit amtrol.com, download the AMTROL App or contact Technical Support at 401.535.1216.



Amtrol Advantage™

Whenever you choose Amtrol, you're getting more than just a great product. The Amtrol Advantage™ combines the Industry's best brands with world class customer service and valuable installer initiatives.

- Amtrol Rewards™ installer points program
- Tanks on Tour™ field training vehicle
- Amtrol Racing team



AMTROL Advantage™



1400 Division Road, West Warwick, RI USA 02893
T: 800.426.8765 F: 800.293.1519
www.amtrol.com

