



THERMXTROL®

Water Heater Expansion Tanks



Featuring Clean Water Technology™



THERMXTROL®

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.

Product Features

- Absorbs water caused by thermal expansion.
- Returns water to the system when hot water is used.
- Prevents dangerous pressure buildup.
- Stops wasted energy, dripping faucets, toilet valve running intermittently and pressure relief valve discharge.
- Protects water heater, appliances and fixtures.



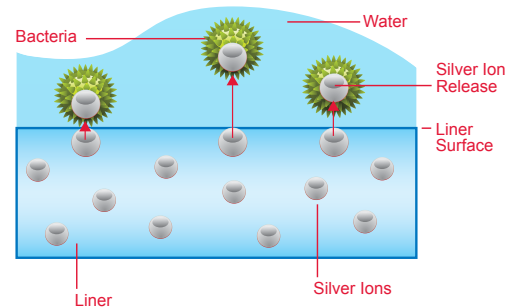
Clean Water Technology™

Antimicrobial Liner and Turbulator work together to keep tank surfaces clean.



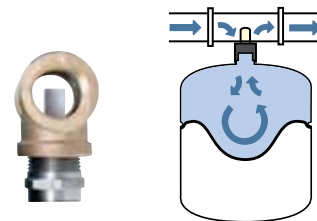
Antimicrobial Liner Protection

- Neutralizes bacteria on contact.
- Safe, Silver-Ion technology only targets active microorganisms.
- Long lasting compound is molded into the water reservoir lining.



Fresh Water Turbulator™

- Patent-pending diffuser agitates incoming water.
- Water-jet scrubbing action prevents sediment from collecting inside of tank.
- Eliminates stagnant water.

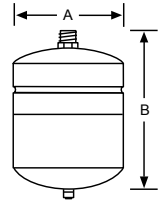


Thermal Expansion Tanks



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 and water heater warranties.
- 50 PSI factory precharge; the industry's highest.



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

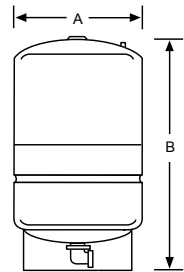
Stainless Steel System Connection.

Maximum Operating Temperature: 200°F. Maximum Working Pressure: 150 psig. Factory Pre-charge: 50 psig.



Therm-X-Trol Vertical Models

- Designed for large residential and light commercial (non-ASME) 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	11.3	15	32	3/4	33
ST-60V	34.0	34.0	22	30	1 1/4	61
ST-80V	44.0	34.0	22	36	1 1/4	69
ST-180V	62.0	34.0	22	47	1 1/4	92
ST-200V	81.0	34.0	22	56	1 1/4	103
ST-210V	86.0	46.0	26	47	1 1/4	123

Stainless Steel System Connection.

Maximum Operating Temperature: 200°F. Maximum Working Pressure: 150 psig. Factory Pre-charge: 50 psig.

Quick Sizing Charts

Maximum Temperature Setting 140°F

Water Heater Size (gals.)	Static Supply Pressure (psig)		
	40	60	80
40	ST-5	ST-5	ST-5
50	ST-5	ST-5	ST-5
60	ST-8	ST-8	ST-8
80	ST-8	ST-8	ST-12
120	ST-12	ST-12	ST-25V

Maximum Temperature Setting 160°F

Water Heater Size (gals.)	Static Supply Pressure (psig)		
	40	60	80
40	ST-5	ST-5	ST-8
50	ST-5	ST-8	ST-8
60	ST-8	ST-8	ST-12
80	ST-8	ST-12	ST-25V
120	ST-12	ST-25V	ST-25V

Maximum Temperature Setting 180°F

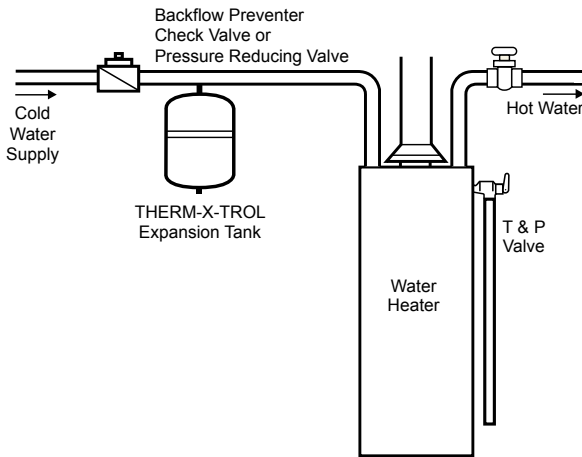
Water Heater Size (gals.)	Static Supply Pressure (psig)		
	40	60	80
40	ST-8	ST-8	ST-8
50	ST-8	ST-8	ST-12
60	ST-8	ST-12	ST-25V
80	ST-12	ST-25V	ST-25V
120	ST-25V	ST-25V	ST-25V

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.

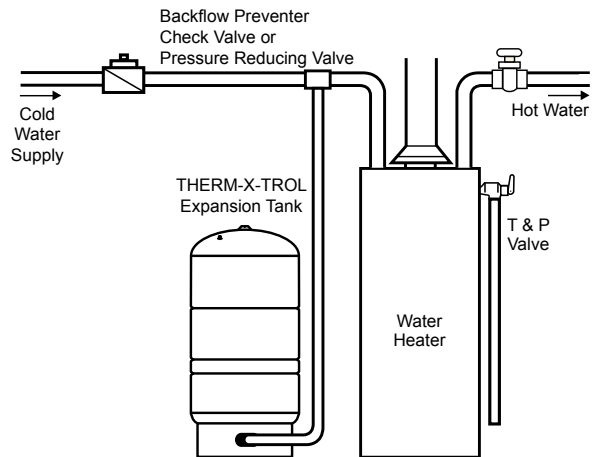


Typical Installations

In-Line Models



Stand Models



Homeowner Brochure and Quick Sizing Card



Homeowner Brochure (MC10230) explains how Therm-X-Trol controls thermal expansion to provide a better, safer system.



Quick Sizing Card (MC8520) makes selecting the properly sized Thermal Expansion Tank fast and easy.



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