



THERMXTROL®

Water Heater Expansion Tanks

WE CAN TAKE THE PRESSURE™



Antimicrobial.



Turbulator.

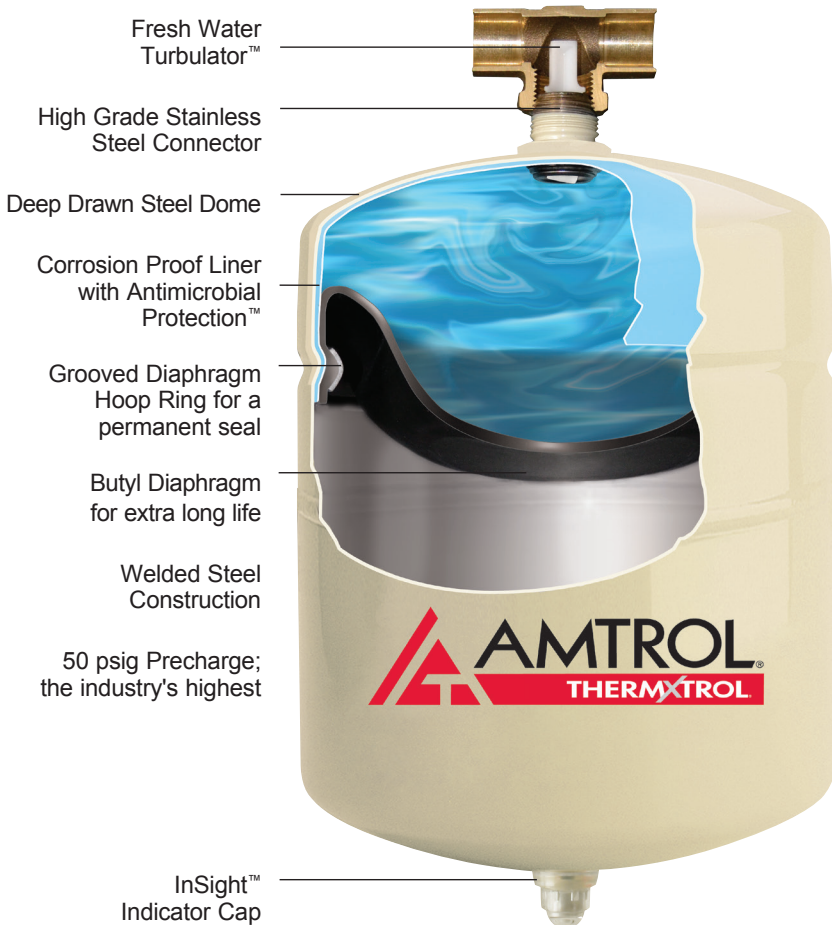


InSight.



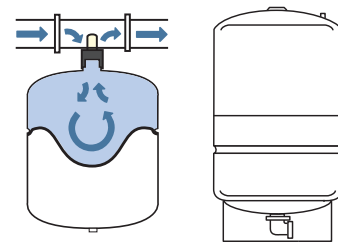
THERMXTROL®

Amtrol invented the thermal expansion tank to control pressure build-up in closed, potable 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.



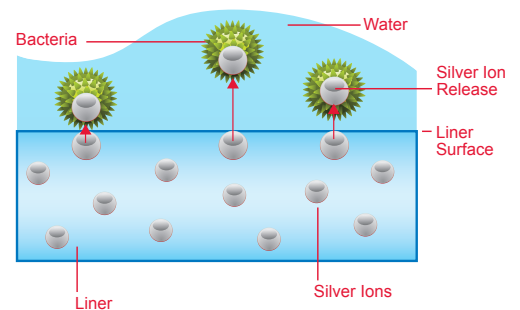
Fresh Water Turbulator™

- Patented diffuser agitates incoming water to keep it tasting fresh and clean.
- Water-jet scrubbing action prevents sediment from collecting inside the tank.



Antimicrobial Liner Protection

- Safe, Silver-Ion technology targets active microorganisms; neutralize bacteria on contact.
- Compound is molded into the water reservoir lining; lasts the life of the tank.



ST-1 for Tankless and POU Water Heaters

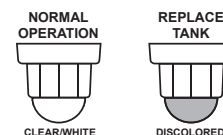


- Absorbs thermal expansion and water hammer to protect the heat exchanger.
- Patented air cell technology requires no precharge adjustment or maintenance.
- 304L SS Waterway.
- Big protection in a compact size.



InSight™ Indicator Cap

- Patent-pending sight glass changes color if tank needs replacing.
- Alerts homeowner or plumber to a problem before damage can occur.



Thermal Expansion Tanks



Therm-X-Trol® for Tankless and POU

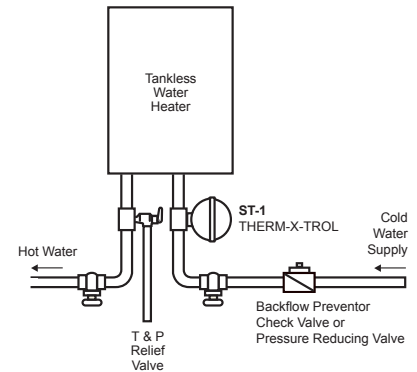
- Accepts expanded water as system temperature rises and returns hot water to system when demand occurs.
- Patented air cell eliminates water hammer to protect heat exchanger.
- Required by most building codes and water heater warranties.

Specifications

Model Number	Diameter (Inches)	Height (Inches)	System Connection (NPTM)	Shipping Weight (lbs.)
ST-1	3.2	3.9	1/2	1

Stainless Steel Waterway.

Maximum Intermittent Temperature: 180°F. Maximum Working Pressure: 150 psig.



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.
- InSight® Indicator Cap, Antimicrobial Liner™ and Turbulator™

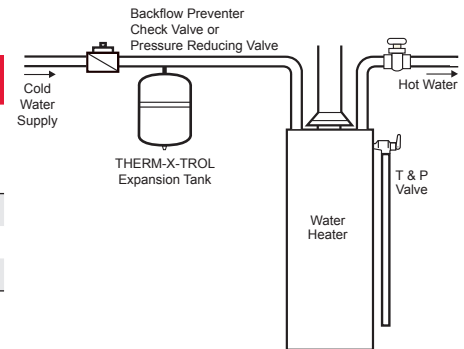
Specifications

Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	Diameter (Inches)	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 Precharge: 50 psig.



Therm-X-Trol Vertical Models

- Designed for large residential and light commercial (non-ASME) applications.
- Visit amtrol.com for sizing information.

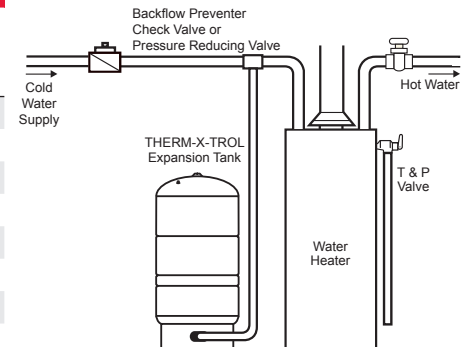
Specifications

Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	Diameter (Inches)	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 Precharge: 50 psig.





Selection & Selling Tools

THERMXTROL
Expansion Tanks
Made in the USA

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, saving energy and eliminating a potential safety hazard. Therm-X-Trol expansion tanks are all made in the USA at our ISO 9001:2008 registered facilities.



Helps Prevent

- Dripping faucets and wasted energy.
- Puddles of water at base of water heater from pressure relief valve discharge.
- Water heater damage from frequent water pressure build-up.
- Dishwasher and washing machine solenoid damage.
- Toilet running randomly.
- Noisy water hammer.



Water Heater Expansion Tanks
Featuring Antimicrobial Protection

ANTIMICROBIAL PROTECTION

Ask for Quality ▲ Ask for AMTROL®



- Fresh Water Turbulator™
Stainless Steel Connector
- Deep Drawn Steel Domes for maximum strength and pressure rating
- Corrosion Proof Liner with Antimicrobial Protection™
Rigid Polypropylene Liner for corrosion resistant reservoir
- Butyl Diaphragm for long life
- Grooved Diaphragm Hoop Ring for a permanent seal
- Welded Steel Construction
- 50 psi Precharge, the industry's highest
- Welded Air Charge Fitting with protective cap for corrosion resistance and an air-tight seal

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

Therm-X-Trol® 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	
Tankless & POU up to 2 gal.	ST-1	ST-1	ST-1	40	ST-5	ST-5	ST-8	40	ST-8	ST-8	ST-8	
40	ST-5	ST-5	ST-5	50	ST-5	ST-8	ST-8	50	ST-8	ST-8	ST-12	
50	ST-5	ST-5	ST-5	60	ST-8	ST-8	ST-12	60	ST-8	ST-12	ST-25V	
60	ST-8	ST-8	ST-8	80	ST-8	ST-12	ST-25V	80	ST-12	ST-25V	ST-25V	
80	ST-8	ST-8	ST-12	120	ST-12	ST-25V	ST-25V	120	ST-25V	ST-25V	ST-25V	
120	ST-12	ST-12	ST-25V									

Sizing based on: 40°F incoming water temperature; 150 psi T&P safety relief valve; Precharge equal to static supply pressure (ST-5 and above). ST-1 for Tankless and Point-Of-Use (POU) Heaters up to 2 gallons. For larger applications: Visit amtrol.com, download the AMTROL App or contact Technical Support at 401.535.1216.

Quick Sizing Card (MC8520) makes selecting the right tank fast and easy.



The Amtrol App is your mobile toolkit. Also, visit amtrol.com for selection, installation and service tips.



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