



# THERMXTROL®

Water Heater Expansion Tanks

# WE CAN TAKE THE PRESSURE™



Antimicrobial.



Turbulator.

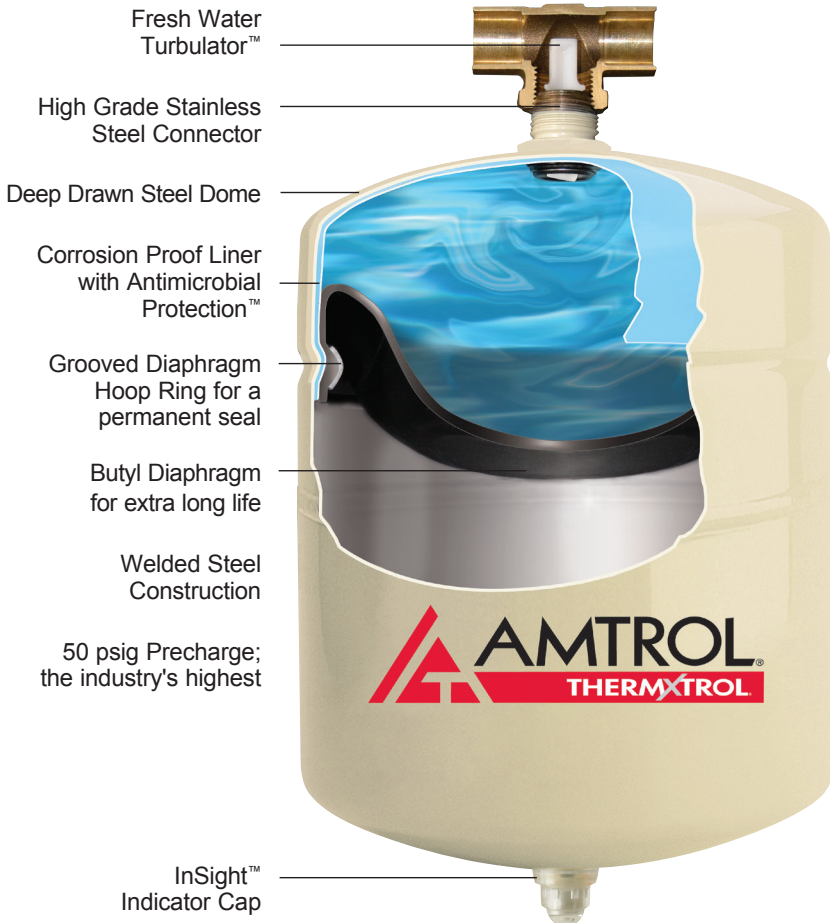


InSight.



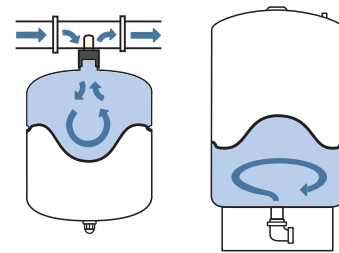
# THERMXTROL®

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.



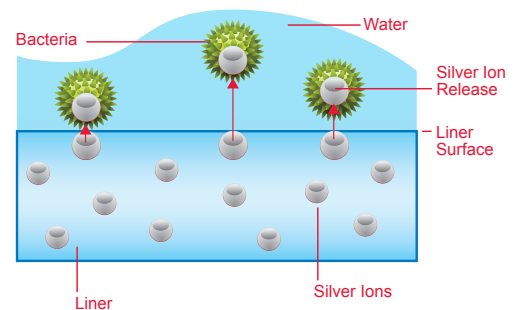
### Fresh Water Turbulator™

- 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

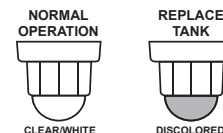


- Absorbs thermal expansion and water hammer to protect the heat exchanger.
- Patented air cell technology requires no precharge adjustment or maintenance.
- 304L SS Waterway.
- Big protection in a compact size.



### 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

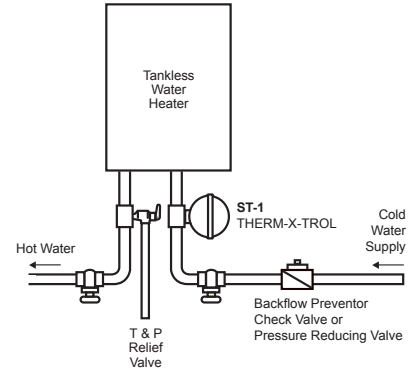
- Accepts expanded water as system temperature rises and returns hot water to system when demand occurs.
- Patented air cell eliminates water hammer to protect heat exchanger.
- Required by most building codes and water heater warranties.

### 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™

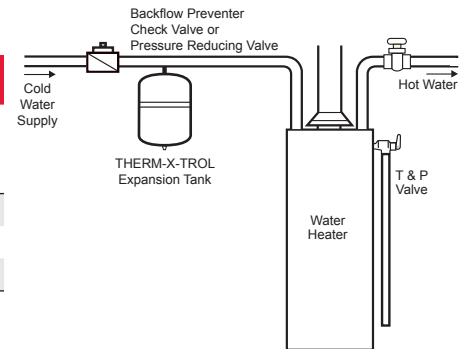
### Specifications

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](http://amtrol.com) for sizing information.

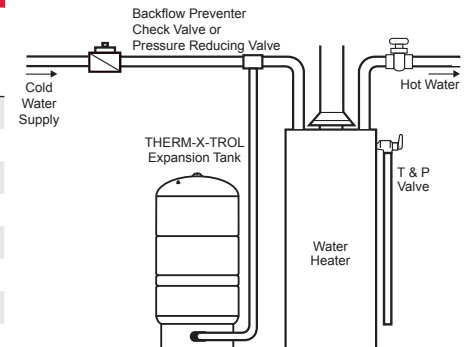
### Specifications

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: 40 psig.





# Selection & Selling Tools

**THERMXTROL**
**Expansion Tanks**
**Made in the USA**

**AMTROL**

AMtrol invented the thermal expansion tank to control pressure build-up in closed, potable hot water systems. This prevents the water heater safety relief valve from opening, saving energy and eliminating a potential safety hazard. Therm-X-Trol expansion tanks are all made in the USA in 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 valve running intermittently.
- Noisy water hammer.

**AMTROL** Water Heater Expansion Tanks  
Featuring Antimicrobial Protection

**Clean Water Technology™**

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

Antimicrobial Liner

Turbulator

**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.

**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.

Ask for Quality ▲ Ask for AMTROL®

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

Therm-X-Trol® Quick Sizing Charts											
Water Heater Size (gals.)	Maximum Temperature Setting 140°F			Maximum Temperature Setting 160°F			Maximum Temperature Setting 180°F				
	Static Supply Pressure (psig)			Static Supply Pressure (psig)			Static Supply Pressure (psig)				
	40	60	80	40	60	80	40	60	80		
Tankless & P.O.U. 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](http://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](http://amtrol.com) for selection, installation and service tips.*

1400 Division Road, West Warwick, RI USA 02893  
T: 800.426.8765 F: 800.293.1519  
[www.amtrol.com](http://www.amtrol.com)