



THERMXTROL®

Water Heater Expansion Tanks

WE CAN TAKE THE PRESSURE™



7
Years

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 our ISO 9001:2015 certified facility.



7-Year Warranty

- The industry's longest.



Antimicrobial



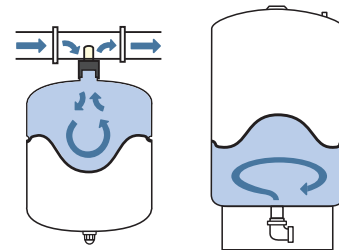
Turbulator



InSight

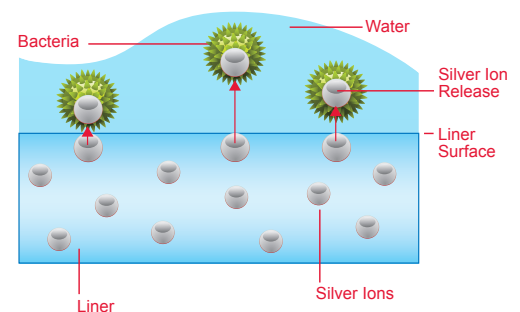
Fresh Water Turbulator®

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



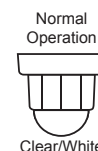
Antimicrobial Liner Protection

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

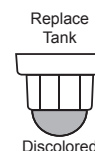


InSight® Indicator Cap

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



Clear/White



Discolored

ST-1 for Tankless and POU Water Heaters



- Absorbs thermal expansion and pressure surge to protect the heat exchanger.
- Patented air cell technology requires no precharge adjustment or maintenance.
- 304L stainless steel waterway.
- Big protection in a compact size.



Thermal Expansion Tanks



Therm-X-Trol® for Tankless and POU

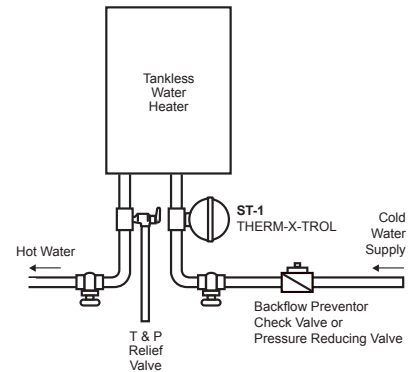
- Accepts expanded water as system temperature rises and returns hot water to system when demand occurs.
- Patented air cell eliminates pressure surge to protect heat exchanger.
- Required by most building codes and all water heater warranties.
- 7-Year limited warranty: The industry's longest.

Specifications

Model Number	Diameter (Inches)	Height (Inches)	System Connection (NPTM)	Shipping Weight (lbs.)
ST-1	3.4	4	1/2	1

Stainless Steel Waterway.

Maximum Intermittent Temperature: 140°F. Maximum Working Pressure: 150 psig.



Therm-X-Trol In-Line Models

- 7-Year limited warranty: The industry's longest.
- Maintains safe expansion pressure in hot water systems as required by most building codes and warranties.
- 50 PSI factory precharge; The industry's highest.
- InSight® Indicator Cap, Antimicrobial Liner™ and Turbulator®.

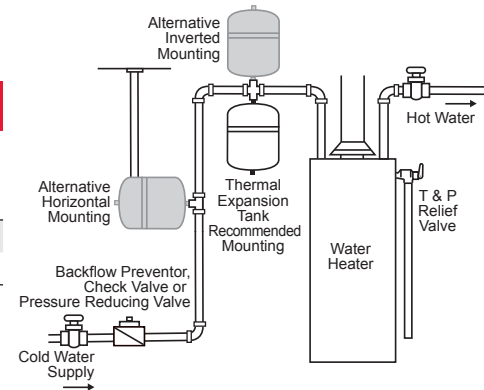
Specifications

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-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.
- 1-Year limited warranty.

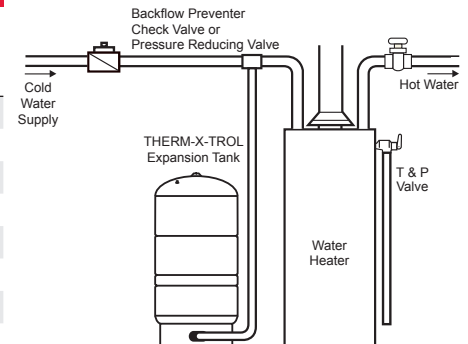
Specifications

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

Therm-X-Trol Water Heater Expansion Tank

Therm-X-Trol Exclusive Features:

- Patented Turbulator™**
 - Agitates incoming water to prevent sediment build-up that can cause the diaphragm to wear out prematurely.
- Antimicrobial Liner**
 - Neutralizes bacteria on contact.
 - Lasts the life of the tank.
- 50 psig Precharge**
 - Industry's highest for easy installation.

Therm-X-Trol also features:

- Stainless steel connector to handle the toughest water conditions.
- Top drain comes are twice the strength of rolled steel.
- Section welded air stem maintains proper precharge.
- Positive diaphragm seal for added reliability.

WE CAN TAKE THE PRESSURE™

7 Years Antimicrobial Turbulator InSight.

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-12	40	ST-12	ST-12	ST-12
40	ST-5	ST-5	ST-5	50	ST-5	ST-12	ST-12	50	ST-12	ST-12	ST-12
50	ST-5	ST-5	ST-5	60	ST-12	ST-12	ST-12	60	ST-12	ST-12	ST-25V
60	ST-12	ST-12	ST-12	80	ST-12	ST-12	ST-25V	80	ST-12	ST-25V	ST-25V
80	ST-12	ST-12	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.



Antimicrobial. Turbulator. InSight.



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C ST-1 through ST-25V only