

# THERMAL EXPANSION TANKS

## A Series (Non-ASME)



### MATERIALS

Shell: Carbon Steel  
 System Connection: 304 Stainless Steel  
 Coating: Triple Layer Electrostatic Almond Paint  
 Diaphragm: Heavy Duty Butyl Rubber  
 Liner Material: FDA Grade Polypropylene  
 Factory Pre-set Pressure: 35 PSI

### CERTIFICATIONS

**MODELS**  
 12-A101  
 12-A102  
 12-A110  
 12-A103  
 12-A104



### OPERATING LIMITATIONS

Max Design Pressure: 150 PSI  
 Max Design Temperature: 200°

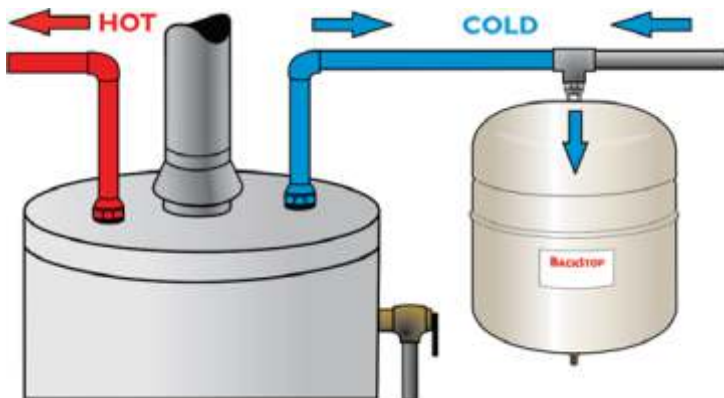
### APPLICATION

BackStop® A Series Tanks are fixed-diaphragm type, precharged thermal expansion tanks that are designed to absorb the expansion forces and control the pressure in potable water systems. Water is contained using a heavy-duty diaphragm with a FDA grade polypropylene liner preventing tank corrosion and waterlogging problems.

## Product List

Model No.	Volume (gal.)	Height	Diameter	Sys. Conn.	Wt. (lbs.)
12-A101	2.1	12-1/2"	8"	3/4"	4.7
12-A102	4.5	15"	11"	3/4"	8
12-A110	10	20"	11-1/2"	3/4"	13.5
12-A103	14	23-1/2"	15-1/2"	1"	20.5
12-A104	20	30-1/2"	15-1/2"	1"	27

## Pre-Installation Warnings



### WHERE TO INSTALL

BackStop® A Series Tanks are installed on the cold water line of the water heater to protect the system from the damaging effects of thermal expansion and increased pressure. The tank controls excessive pressure generated inside the water heater using a sealed compressible air cushion space to store and hold the additional expanded water volume.

Choose an installation location where leakage will not cause property damage and water draining is ideal.