THERMAL EXPANSION TANKS
A Series (Non-ASME)

BACKSTOP®

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

NSF-61

UPC® IAPMO Certified

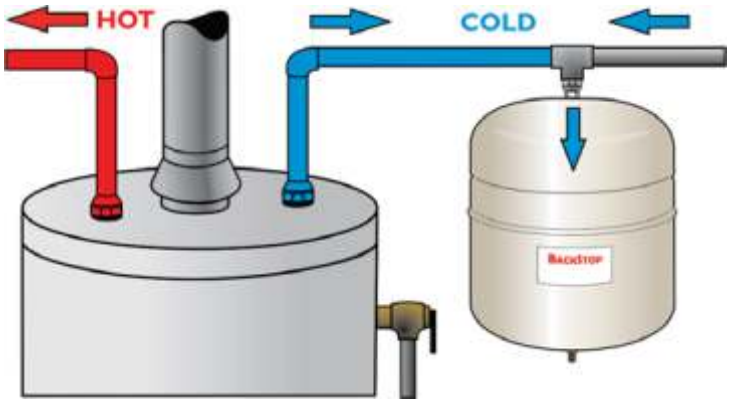
OPERATING LIMITATIONS
Max Design Pressure: 150 PSI
Max Design Temperature: 200°

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-TWH2	.5	4.3125”	3”	1/2”	1
12-A101C	2.1	12.5”	8”	3/4”	4.7
12-A102C	4.5	15”	11”	3/4”	8
12-T009	9	20”	11.5”	3/4”	13.5
12-T014	14	23.5”	15.5”	1”	20.5
12-T020	20	30.5”	15.5”	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.