

"The thermal expansion tank preferred by professionals"

BACKSTOP[®] SOLAR

BackStop[®] SOLAR Expansion Tanks are an integral safety device for every solar heating project. BackStop SOLAR Tanks capture the expansion and condensation of the solar heat transfer fluid during changing climatic conditions, also known as "stagnation".

BackStop SOLAR Expansion Tanks ensure that the maximum operating pressure is never reached, safely extending the life of all major components.

The entire volume of the solar system is contained in the BackStop SOLAR Expansion Tank. The size of the expansion tank depends on the system pressure, collector area, system volume and static height of the system.

All properly designed systems will compensate for volume changes in the solar system and prevent the need to open safety valves by using BackStop SOLAR Expansion Tanks.



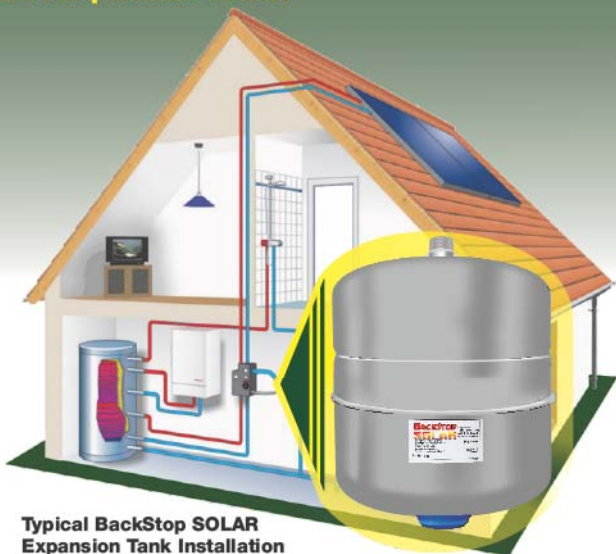
**BACKSTOP[®]
SOLAR** Expansion Tank (Safety Tank) with 50% Glycol & Water solution

- For Solar Heating Applications
- Connection Size: 3/4" Male Pipe Thread
- Factory Precharge: 35 P.S.I.
- Tank Volume: 2.5 Gallons
- Maximum Pressure: 150 P.S.I.
- Maximum Temperature: 250 Deg. F.

Mfg. Code
201001

Part No. 12-S5

Made in Taiwan



Typical BackStop SOLAR Expansion Tank Installation

Model	Volume (liters)	Volume (gal)	Height	Diameter	Sys. Con.	Ship Wt.
S-15	8	2.1	12-1/2"	8"	3/4"	4.5 lbs
S-30	18	4.8	15"	11"	3/4"	8 lbs
S-60	22	6	16-7/8"	15-1/2"	3/4"	9.5 lbs
S-90	53	14	19-7/8"	15-1/2"	3/4"	19 lbs
SX-90	53	14	19-7/8"	15-1/2"	3/4"	19 lbs

SX denotes stand model

1-800-242-7769

www.backstop.net


sales@backstop.net

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BackStop SOLAR Expansion Tanks are designed to meet even the most demanding solar thermal system requirements. BackStop's specialized EPDM diaphragm is resistant to high temperatures and degradation or deterioration from solar glycol fluid.

- Designed to operate with high-efficiency solar systems
- Accepts glycol solutions
- Maximum working pressure: 150 psig
- Maximum intermittent operating temperature: 250°F
- Maximum continuous operating temperature: 225°F



Every BackStop SOLAR Expansion Tank is constructed with high quality rolled carbon steel using double-welds and then coated with an appliance grade, electro-static, epoxy finish.

Each tank incorporates a heavy-duty EPDM diaphragm proven to withstand the high fluctuating temperatures found in solar applications.

BackStop SOLAR Expansion Tanks have a factory pre-set pressure of 35 PSI and ship with a protective valve cover.



**Protect Your Investment Safely With
BackStop SOLAR Expansion Tanks**

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