

Living in a Watershed means we  
have to protect our outside  
environment and our  
culinary water system as well

Here's how to help



To insure that the drinking water system remains protected please have your backflow assemblies tested on an annual basis and forward a copy of the test results to your local water utility.

Help us protect the entire watershed area by taking care to properly dispose of any hazardous waste and not using certain chemicals on grass or vegetation areas.

Feel free to give us a call for more information.

[www.canyonwater.com](http://www.canyonwater.com)

## WANT MORE INFO?

State of Utah Division of Drinking Water

801-536-4200

Salt Lake Co. Service Area #3

801-278-9660

American Backflow Prevention Assoc.

1-800-noflows



**Salt Lake Co.  
Service Area #3**

P. O. Box 920067  
Snowbird, UT. 84092

Phone: 801-278-9660  
Fax: 801-742-2271  
E-mail: [steve@canyonwater.com](mailto:steve@canyonwater.com)  
Visit: [www.canyonwater.com](http://www.canyonwater.com)

## Salt Lake Co. Service Area #3

MAKING LITTLE COTTONWOOD CANYON  
A BETTER PLACE

## BACKFLOW INFORMATION BROCHURE 2008



TEL: 801-278-9660



# THERMAL EXPANSION CAN CAUSE PROBLEMS TO PLUMBING SYSTEMS

## A Licensed Plumber Should be Able to Take Care of Your Thermal Expansion Needs



**THERMAL EXPANSION TANK**

The plumbing code adopted by the State of Utah requires that any potential cross connection between the drinking water and any other non potable source be prevented or protected

### Where do I Begin?

Identifying the "degree of hazard" helps to determine what type of protection is needed. Once potential cross connections are controlled your plumber can advise you whether there is a possible thermal expansion problem that might need to be addressed

### What is Thermal Expansion?

Thermal expansion refers to the characteristic of water to expand when it is heated. Unlike air, which can be compressed, water grows in volume, and must be accommodated

### Why is Thermal Expansion Occurring?

In a water heater, thermal expansion can create more pressure than the system can handle. When unchecked, this pressure can result in expensive leaks, as well as damage to water heaters, pipes and other plumbing fixtures.

We all have a responsibility to ourselves and to others to strive to maintain a safe uncontaminated drinking water system. We thank you for your cooperation in advance.

### How Do I Resolve This Thermal Expansion Problem?

Thermal Expansion can be solved by installing an expansion tank to your water heater. This tank will accept overflow from your water heater, alleviating the pressure buildup in the tank. Expansion tanks are inexpensive and a readily available solution. Check with your local plumbing or hardware vendor.

### I Have a Temperature and Pressure Relief Valve Installed, Isn't That Enough?

No. A T&P valve is not a thermal expansion device because the constant dripping of water from the valve can result in a mineral deposit that can create a blockage causing the T&P valve to become ineffective.

For more information call or write your local utility at the address on the bottom.



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