

## Cross Connection Control

A cross connection is simply a connection between the drinking water system and anything that has the potential to degrade the water in any manner.

Any time pressure in the public drinking water drops to 0 psi or below, there is a possibility that contaminants may be drawn or forced into the drinking water system. This could be caused by a break in the water distribution line, by opening a fire hydrant, installation of high pressure equipment, or a number of other common occurrences. Backflow is simply the reversal of the normal flow of drinking water in a system.

## Chemical Dispensing Systems

The requirement to prevent backflow is stated in the International Plumbing code (IPC) adopted by the State of Utah, Section 608.3 Plumbing Fixtures. The supply lines and fittings for every plumbing fixture shall be installed so as to prevent backflow.

The drinking water system must also be protected from connection to chemical dispensing systems. There are two options available:

- The dispensing unit has been tested and labeled with an ASSE 1055 sticker indicating the dispensing unit has been tested or shall be equipped with an air gap fitting.

As per the International Plumbing Code, there shall not be downstream valves of ANY atmospheric vacuum breaker. Chemical dispensing units have built in shut off valves.

### Incorrect



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## Chemical Dispenser Backflow Protection and Cross Connection Control Requirements



Telephone:  
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WATER QUALITY



**SVB - Spill Resistant Vacuum Breaker**



**RP - Reduced Pressure Principle Assembly**

## Chemical Dispenser Protection Options

Further information on backflow prevention and cross connection control may be found at the following web sites:

<https://deq.utah.gov/division-drinking-water>

[www.ogdencity.com](http://www.ogdencity.com) then-services >public services >water >quality >chemical dispenser

W A T E R Q U A L I T Y

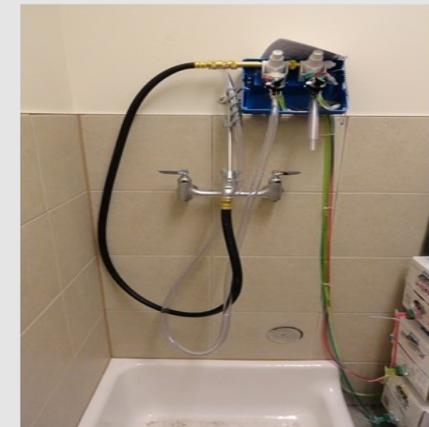
Both backflow preventers (shown on the right) must be tested by a certified backflow tester within 10 days of initial use and annually thereafter.

The waterline supply to the chemical dispenser must be either a designated line or can be connected behind the faucet (prior to the atmospheric vacuum breaker) that is currently being used. Please see photos to the left.

If an SVB is used, the backflow preventer must be installed 12" above the dispenser. If an RP is used, the backflow preventer can be installed below the chemical dispenser



**CORRECT**



**INCORRECT**

## Chemical Dispenser Installation