

**Keep your home
and water supply
safe !**

**You can learn more
about backflow
and cross-
connections by vis-
iting the following
link:**

[www.epa.gov/system/files/
documents/2021-12/ds-
toolbox-fact-sheets_ccc.pdf](http://www.epa.gov/system/files/documents/2021-12/ds-toolbox-fact-sheets_ccc.pdf).



City of Girard Water

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City of Girard Water Back Flow & Cross-Connection Education



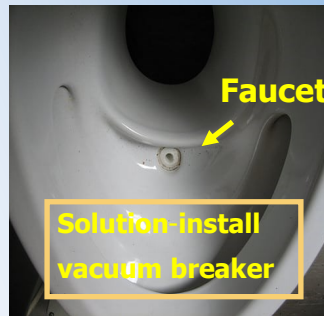
Home Cross-Connections

Why the Need for Backflow Prevention and Cross-Connection Control

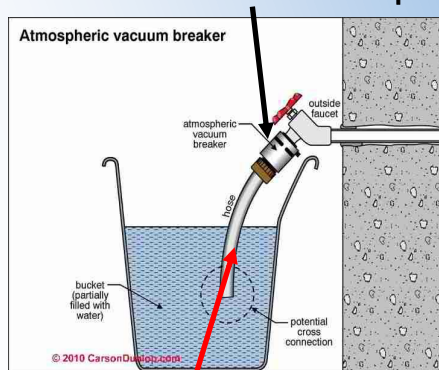
- Backflow can be described as “A reversal of the normal direction of flow within a piping system”, or as “the flow of water or other liquids, mixtures or substances into the distribution pipes of a potable water supply from any source other than the intended source of the potable water supply.
- The potential for a backflow condition occurring in a user’s water system is all too likely. In many of our homes, factories and public buildings, there may be cross-connections that can, under backflow conditions, introduce a liquid, mixture or substance into the user’s or public water system.
- Cross-connection can be described as “any arrangement whereby backflow can occur, or as any arrangement of pipes, fittings, fixtures, or devices that connects a non-potable water system to a potable water system.
- It is the point at which a water-using fixture is connected to the user’s water system. An unprotected cross-connection provides the path or route through which backflow can occur.

Cross-connections

Cross-connections can occur in fixtures where the faucet is below the high water level— an air gap is required to prevent contaminated water from being siphoned back into the potable water supply pressure conditions.



Solution: Atmospheric Vacuum Breaker or Air Gap



Never leave hoses in filled containers, even with a vacuum

Venturi Connections

The venturi systems use a vacuum created from the flow of water and pulls the contents from the bottle into the water stream creating potential cross-connection



Illegal connections



All irrigation systems installed with fertilizer feeds must have an ASSE 1013 reduced pressure back flow device to protect water supply.