

CROSS CONNECTION CONTROL PROGRAM

In order to assure safe water is supplied to the consumers that we serve, The City of Klamath Falls Water Division maintains an active Cross Connection Control Program as authorized by Oregon Administrative Rules.

The purpose of this program is to protect the public water system from possible contamination and help provide for the delivery of the best possible water quality.

A cross connection, is defined as “ Any actual or potential physical connection between a potable water line and any pipe, vessel, or machine containing a non-potable fluid or has to possibility of containing a non-potable fluid, solid or gas , such that it is possible for the non-potable fluid, solid or gas to enter the potable water system by backflow.

The City of Klamath Falls Water Division monitors and controls over 2500 backflow prevention devices that protect the potable water system. Each device is required to be tested annually by an Oregon State certified backflow prevention device tester.

Three Types of Backflow Prevention Assemblies

Each assembly has different features and purposes. Choose an assembly that meets your needs.

Pressure Vacuum Breaker Assembly (PVBA)

A PVBA is a mechanical backflow preventer that consists of and independently acting, spring loaded check valve and an independently acting, spring-loaded air inlet valve on the discharge side of the check valve. It includes shutoff valves at each end of the assembly and is equipped with test cocks. A PVBA is effective against backsiphonage only.

- Used for irrigation systems supplied by City water only
- Installed above ground 12” above highest piping point
- State requires annual testing by State certified tester

Double Check Valve Assembly (DCVA)

A DCVA is a mechanical backflow preventer that consists of two independently acting, spring-loaded check valves. It includes shutoff valves at each end of the assembly and is equipped with test cocks. A DCVA is effective against backpressure backflow and backsiphonage but should be used to isolate only nonhealth hazards.

- Highly versatile
- Install above or below ground in a vault
- State requires annual testing by State-certified tester

Reduced Pressure Backflow Assembly (RPBA)

An RPBA is a mechanical backflow preventer that consists of two independently acting, spring-loaded check valves with a hydraulically operating, mechanically independent, spring-loaded pressure differential relief valve between the check valves and below the first check valve. It includes shutoff valves at each end of the assembly and is equipped with test cocks. An RPBA is effective against backpressure backflow and backsiphonage and may be used to isolate health or non-health hazards.

- Usually most expensive and complex
- Installed above ground
- Used at high-hazard sites such as hospitals, chemical plants, mortuaries
- Only device that allows for applying fertilizer or other chemicals into irrigation systems
- State requires annual testing by State-certified tester

If you have any questions please call 541-883-4956 to speak with our Cross Connection Control Specialist.