



# Canby Utility loves clean water!

## We know you do too!

We provide to you high quality, clean drinking water. Unfortunately, there are ways that clean drinking water can be contaminated right at your home. A properly installed backflow apparatus at your home is important to keep our drinking water clean.

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Hose Bib



Irrigation System  
Atmospheric Vacuum Breaker



Pressure Vacuum Breaker  
Assembly



Reduced Pressure Principle  
Valve Assembly



Double Check Valve Assembly

Did you know lawn irrigation and sprinkler systems are required to have an apparatus to prevent any water from flowing back from that system into the drinking water system? And that most of these require annual testing to insure they are functioning properly? Unfortunately, many home systems have been installed without the proper apparatus, or if installed and require annual testing, they have not been tested.

Under normal system operating conditions your homes water would not flow back into the main water lines. However, there are abnormal conditions that not only would allow water to back flow, but in some cases actually suck it right out of your pipes. These conditions do and have occurred and the resultant contamination has resulted in great harm to the users of some water systems. That is why there are Federal, State and Local rules designed to prevent it.

## Take two steps for clean water

**1 If you have an underground irrigation system, be sure the proper backflow prevention apparatus is installed.** Depending on the design of your irrigation system the apparatus type and location(s) can vary widely. Typically a newer system will have a Double Check Valve Assembly (DCVA) due to its ability to be installed below grade, have control valves beyond it and to be installed at the low point of your system if you find that is the best location for it. Other devices or assemblies that may be adequate for certain layouts would be Atmospheric Vacuum Breakers (AVB), Pressure Vacuum Breakers (PVB), Spill-Resistant Vacuum Breakers (SVB). However, if your irrigation system dispenses chemicals a Reduced Pressure Principle Valve Assembly (RPVA) would be required.

If you have a water well that has not been decommissioned, a RPVA providing premise isolation (installed just beyond the water meter prior to any taps for irrigation or other purposes) is required. To prevent possible damage to your plumbing due to the thermal expansion of water trapped beyond RPVA's (and also DCVAs if similarly placed in the water line between your home and the water meter) require a Thermal Expansion Device, typically attached to your hot water tank.

### Test backflow prevention assemblies annually.

**2** Regular testing will ensure that DCVAs on irrigation systems continue to function properly, and help you identify any maintenance issues. Many landscaping companies perform backflow testing. Contact Canby Utility or visit [canbyutility.org](http://canbyutility.org) for a list of backflow testing companies. We will help you remember by sending you a letter each year to have your inspection done.



Garden hoses can create a risk of cross connection. Do not leave garden hoses submerged in a swimming pool, pond, laundry sink or car wash bucket.



Be sure you have an atmospheric vacuum breaker (avb) installed on each of your hose bibs. Find them at your local hardware store. Simply screw them on to install.

## Backflow prevention measures also must be installed on:

- water features
- fire protection systems
- boilers\*
- irrigation systems\*\*
- lawn/garden sprinkler systems
- hot tubs and pools
- cooling towers\*
- solar water heating systems\*\*
- hose-end chemical/fertilizer sprayers\*
- auxiliary water supplies

\* These items require a reduced pressure backflow assembly (RP)

\*\* These items require an RP if the system uses chemicals.



## Backflow Assembly/Device Installers:

If you wish to, you may install your own backflow prevention apparatus. Otherwise, a qualified irrigation system installer or any licensed plumber can install your backflow device. For local listings, you may access information on the internet or your local phone book.

## Backflow Assembly Testers:

Any tester certified by the State of Oregon can do the job. They will test your assembly and if it fails they will make recommendations for repair or replacement. Since your assembly is to be tested annually, you may request automatic testing each year from your certified tester. The following is a list of testers that have current certification and gauge calibration on file at Canby Utility. For a current list of certified testers, please refer to our website at [www.canbyutility.org](http://www.canbyutility.org).

<b>AFP Systems, Inc.</b>	<b>503-692-9284</b>
<b>American Backflow Services</b>	<b>503-289-1745</b>
<b>Custom Plumbing &amp; Construction (local)</b>	<b>503-266-1212</b>
<b>Clackamas Backflow Consulting (local)</b>	<b>503-263-7786</b>
<b>Canby Plumbing, Inc. (local)</b>	<b>503-266-2091</b>
<b>Clean Water Backflow Testing</b>	<b>503-708-2518</b>
<b>Fire Services Plus, Inc.</b>	<b>503-848-2345</b>
<b>Landscape East &amp; West</b>	<b>503-256-5302</b>
<b>Litch Plumbing, Inc.</b>	<b>503-657-9006</b>
<b>Northwest Plumbing &amp; Backflow</b>	<b>503-488-0773</b>
<b>Northwest Backflow Inspection &amp; Testing Services</b>	<b>503-695-3286</b>
<b>Oregon Backflow Testing, LLC</b>	<b>503-491-9402</b>
<b>Pro Grass</b>	<b>503-682-6076</b>
<b>T &amp; R Building Services</b>	<b>503-318-6313</b>
<b>Water Metrics West</b>	<b>503-603-9988</b>
<b>West Coast Fire Systems</b>	<b>503-347-9773</b>
<b>Willamette Valley Backflow, LLC</b>	<b>503-884-7696</b>
<b>Womack Water Works</b>	<b>503-669-2722</b>