# Canby Utility loves clean water!

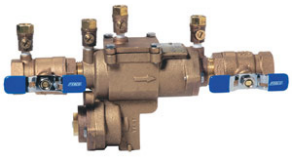
**We know you do too!**

**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 appartus at your home is important to keep our drinking water clean.**

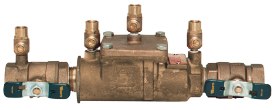
Atmospheric Vacuum Breaker for a hose bib

Irrigation system Atmospheric Vacuum Breaker

Pressure Vacuum Breaker Assembly



Reduced Pressure Principle Valve Assembly



Double Check Valve Assembly

Did you know plumbing codes require that lawn irrigation and sprinkler systems 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 home's water would not flow back into the main water lines. However, there are abnormal conditions that not only can 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 resulting contamination has caused 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 may have a Double Check Valve Assembly (DCVA.) These may be installed below grade, have control valves beyond the assembly, and can be installed at the low point of your system, if that is the best location for it. Other devices or assemblies that may be adequate for certain layouts include Atmospheric Vaccuum Breakers (AVB), Pressure Vaccuum Breakers (PVB) and Spill-Resistant Vaccuum Breakers (SVB.) If your irrigation system dispenses chemicals, a Reduced Pressure Principle Valve Assembly (RPVA) is the required apparatus.

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 water meter—a Thermal Expansion Device is typically attached to your hot water tank.

**2 Test backflow prevention assemblies annually.** 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 for a list of backflow testing companies—or see the list on the back of this page. We will help you remember to have your backflow devices checked annually by sending you reminders throughout the year.

**Garden hoses can create a risk of backflow contamination. 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.**

CANBY UTILITY

**503.266.1156 www.canbyutility.org**

Revised January 2019

## 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**
- auxiliary water supplies
- hose-end chemical/fertilizer sprayers

* These items require a reduced pressure backflow assembly (RP)
** These items require an RP if the system uses chemicals.

# Backflow 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 Device 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 it is required to have your assembly 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 guage calibration on file at Canby Utility. For the most current list of certified testers, pelase refer to our website at www.canbyutility.org.

| | |
|---|---|
| AFP Systems, Inc. | 503-692-9284 |
| American Backflow Services | 503-289-1745 |
| Custom Plumbing & Construction (local) | 503-266-1212 |
| Clackamas Backflow Consulting (local) | 503-263-7786 |
| Canby Plumbing, Inc. (local) | 503-266-2091 |
| Clean Water Backflow Testing | 503-708-2518 |
| Eco Backflow | 503-669-2722 |
| Fire Services Plus, Inc. | 503-848-2345 |
| Holmes Irrigation | 971-275-4306 |
| Landscape East & West | 503-256-5302 |
| Litch Plumbing, Inc. | 503-657-9006 |
| Northwest Plumbing & Backflow | 503-488-0773 |
| Northwest Backflow Inspection & Testing Services | 503-695-3286 |
| Oregon Backflow | 503-491-9402 |
| Pro Grass | 503-682-6076 |
| T & R Building Services | 503-318-6313 |
| Water Metrics West | 503-603-9988 |
| West Coast Fire Systems | 503-347-9773 |
| Willamette Valley Backflow, LLC | 503-884-7696 |