



CENTENNIAL
WATER AND SANITATION DISTRICT

Pressure Reducing Valves (PRV) Frequently Asked Questions

Pressure Reducing Valves (PRVs) are a type of valve installed in the plumbing of Highlands Ranch homes to regulate water pressure. The purpose of a PRV is to reduce incoming water pressure from Centennial Water's water mains to a pressure that is safe for a home's plumbing system. The PRV provides water pressure consistency throughout the community and protects Centennial Water's water meter within the home. PRVs are also a water conservation tool. By avoiding higher than required pressure, water is conserved. In Highlands Ranch, the PRV is installed at the water service entry point to the home after the first shutoff valve and before the meter yoke assembly.

Below are some of the most frequently asked questions about PRVs:

1. Does every house in Highlands Ranch have a PRV?

No. According to the Highlands Ranch Water and Sewer Standard Specifications, all water service lines shall have a PRV installed between the distribution main and the meter, but a PRV is not required if water main pressure is less than 65 pounds per square inch (psi).

2. What should the pressure be set at in my home?

Centennial Water's standard specifications state the static pressure should be no greater than 70 psi.

3. What pressure range should my PRV have?

Most residential PRVs have an operating range between 25-75 psi, and are preset at the factory at about 45 psi.

4. Can I move my PRV above the meter and the irrigation tie in to have better pressure for my irrigation system?

No. The PRV is placed before the water meter to protect it. Placing it after the meter could subject the meter to high pressure causing it to fail, and possibly causing damage to your home.

5. What are the symptoms of a PRV that is no longer working properly?

A sudden loss of, or a gradual reduction in water pressure within the home for no apparent reason. A banging or high pitched whistling sound coming from the pipes usually when the water is being turned off. PRVs may also fail in the open position providing higher than desired pressures. Typically there is no indication this may have occurred other than noticeably higher pressure at the faucet or toilets that continue to run after the bowl is filled.

6. How do I know if my PRV is working properly?

Centennial Water will, upon request, perform a pressure check at no charge to the customer. If you would like to have your pressure checked, please call our staff at 303-791-2789, ext. 545, Monday through Friday from 8 a.m. until 4:30 p.m.

7. Will Centennial Water repair or replace my PRV?

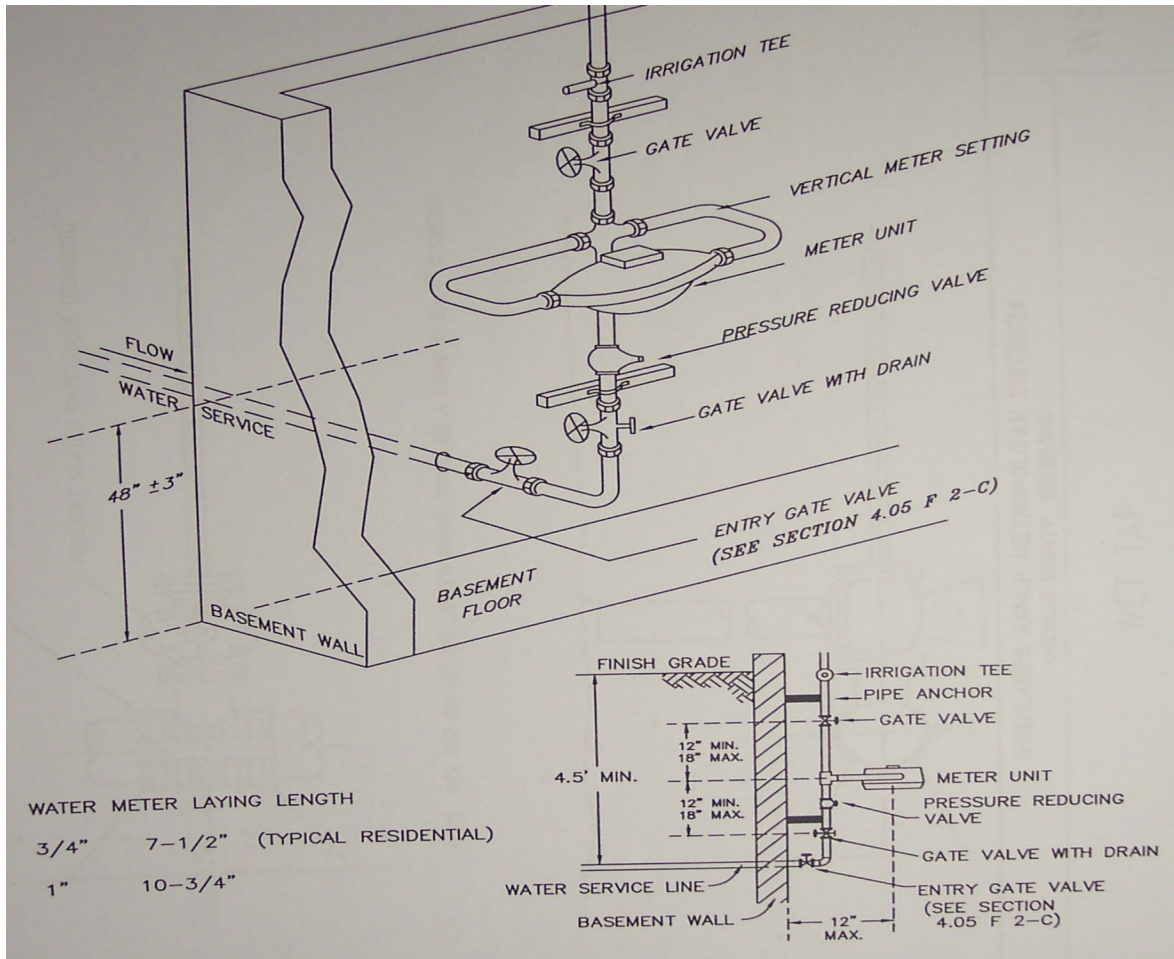
No. The PRV is part of the home's plumbing and is owned by the homeowner. A new PRV can be purchase at most hardware or home supply stores. Another option is to contact a plumber to have a new PRV installed.

8. What does a PRV look like?

The following are some examples of typical residential PRVs.



The following detail WS-4 is from the Highlands Ranch Water and Sewer Standard Specifications. It shows the typical location of your PRV at the water service entry and the meter yoke assembly.



To schedule an appointment to have your pressure checked, or if you have further questions about your PRV, please contact Centennial Water and Sanitation District at 303-791-2789, ext. 545, Monday through Friday from 8 a.m. until 4:30 p.m.