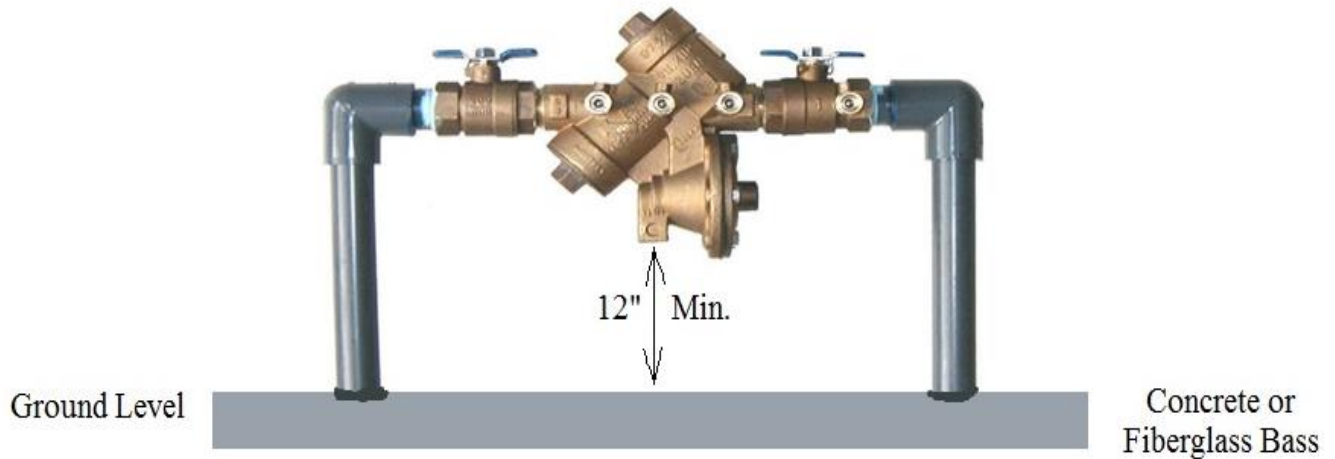


SPECIFICATIONS FOR ABOVE GROUND INSTALLATIONS OF REDUCED PRESSURE PRINCIPLE (RP) ASSEMBLIES

- The RP must be installed a minimum distance of five (5) feet from the meter service. Backflow preventers installed within the utility right of way will **not** be approved.
- RP's must be installed in a horizontal position and in a location in which no portion of the RP can become submerged under any circumstances.
- RP's **must** be installed above ground.
- Backflow preventers installed inside **must** be a minimum distance of twelve (12) inches above the floor, and no higher than four (4) foot above the floor, with adequate clearance around the backflow preventer for testing and/or repair. When an RP is installed inside a building an air gap drain line large enough to carry off the discharge of water from the relief valve **shall be** installed.
- RP's installed outside **must** be protected from freezing, **must** be installed a minimum distance of twelve (12) inches above the ground, and no higher than four (4) foot above ground. Landscaping is allowed around the backflow preventer, but **must** not interfere with the required testing, and/or repair.
- Backflow prevention assemblies two and one half (2-1/2) inches and larger must be supported to allow for the weight of the backflow prevention assembly. Supports **must** have a proper footing (four (4) inches of concrete) for supports to rest upon. Backflow prevention assembly supports **must** not interfere with the valves, test cocks, testing, and/or repair of the backflow prevention assembly.
- In order to prevent obstruction during the testing and/or repair of the assembly, additional piping and/or valves shall not be located within the enclosure.
- All backflow prevention assembly installations shall be inspected and approved by the City of Fayetteville, Cumberland County or Hope Mills Plumbing Inspection Departments prior to initiation of water service by PWC.
- Detailed backflow specifications, a list of plumbing suppliers who sell approved backflows, and a list of companies who employ certified backflow testers is available on our website, www.faypwc.com, under Conservation/Environmental > Backflow Prevention.

Reduced Pressure Principal Backflow Assembly Installation Diagram



An above ground enclosure that covers the backflow preventer is required. This is to protect the backflow preventer from freezing.

