

4100326

Glide Water Association

POST OFFICE BOX 384
GLIDE, OREGON 97443

ADOPTED POLICY

BACKFLOW PREVENTION

In accordance with Oregon Administrative Rules, Chapter 33 (Public Water Systems), Section 42-230 (Cross Connection Control Requirements), it shall be the policy of the Glide Water Association to require the installation of backflow prevention devices for protecting the Association's water system where one or more of the following conditions exists:

- a. Where there is an auxilliary supply on the premises which is of unacceptable or unknown quality and is, or can be, connected to the potable water piping on the premises;
- b. Where there is piping on the premises for conveying liquids other than potable water, and where that piping is under pressure and is installed and operated in a manner which could permit the entry of those other liquids into the potable water piping on the premises;
- c. Where there are internal cross connections that are not correctable;
- d. Where there are intricate plumbing arrangements on the premises which make it impractical to ascertain whether or not cross connections exist;
- e. Where there is reason to believe that there are cross connections on the premises but the water user does not permit an inspection to be made;
- f. Where there is possibility of backflow from contained quantities of potable water that are subject to contamination from controlled or uncontrolled sources.

The type of backflow prevention device required shall be commensurate with the degree of hazard which exists:

- a. An approved air gap or an approved reduced pressure principle backflow prevention device (RP device) shall be installed where the substance which could backflow is hazardous to health.
- b. An approved double check valve assembly shall be installed where the substance which could backflow is objectionable but does not pose an unreasonable risk to health.

The water user or owner of the premises where one or more backflow prevention devices have been installed to protect the Association's water system shall have the device tested at least once a year. Where there are repeated failures the testing shall be undertaken more frequently than once per year. Devices shall also be tested immediately after they are installed and after they are moved. Reports on the tests shall be prepared by the tester and

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copies of the reports shall be provided to the water user or owner of the premises, to the water supplier and to the Health Division of the Oregon Department of Human Resources. Tests shall be performed by certified testers only.

Glide Water Association shall identify the premises where the potential for backflow is high, shall evaluate the conditions at those premises, and when appropriate, shall require the installation of backflow prevention devices.

All device assemblies required under this policy shall be of a type or model approved by the State of Oregon.

All device assemblies shall be installed in accordance with Section 10, Manual of Cross-Connection Control, 7th Edition, June, 1985. Published by the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California and AWWA Standard 506.

Failure to install, provide for the testing of, or to perform required maintenance of, a backflow prevention device assembly in accordance with this policy, shall result in termination of the water service until such time as the water user or owner meets compliance.

Any installation, corrective measure, testing or disconnection fees shall be at the sole expense of the owner.

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GENERAL INSTALLATION REQUIREMENTS FOR BACKFLOW PREVENTION DEVICES

1. No backflow prevention device shall be submerged in water or installed in a location subject to flooding. If installed in a vault or basement, adequate drainage shall be provided.
2. The device must be protected from freezing weather conditions.
3. All devices shall be installed according to manufacturer's installation instructions and applicable State and Federal regulations. Only double check valve devices specifically approved by the manufacturer for vertical installation may be installed vertically. For no reason will an RP device be approved for vertical installation.
4. The device shall be readily accessible with adequate room for maintenance and testing.
5. No device shall be installed more than 5 feet in height above floor level without providing an adequate supported platform to access the device.
6. All devices shall be supported with proper material to prevent excess stress on the connection flanges.
7. Upon completion of installation, Glide Water Association shall be notified and all device installations shall be inspected by Glide Water Association personnel. Each backflow device shall be registered with Glide Water Association. Registration shall consist of date of installation, location, make, model, size and serial number of the device and initial test report.

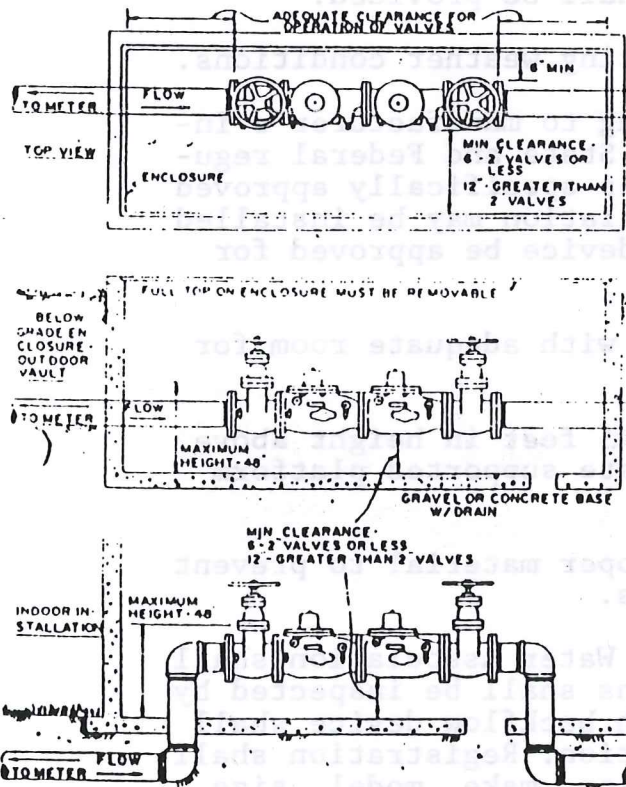


DOUBLE CHECK VALVES (DCV)

A. Installation Requirements

1. Required where substance is objectionable but not hazardous to health (irrigation and fire systems, etc.).
2. Can be installed below grade providing pit is adequately drained
3. Vertical installation restricted to manufacturer approval.
4. Installation under building or in crawl space without 6' head room is **not** allowed.

B. Typical Installation:

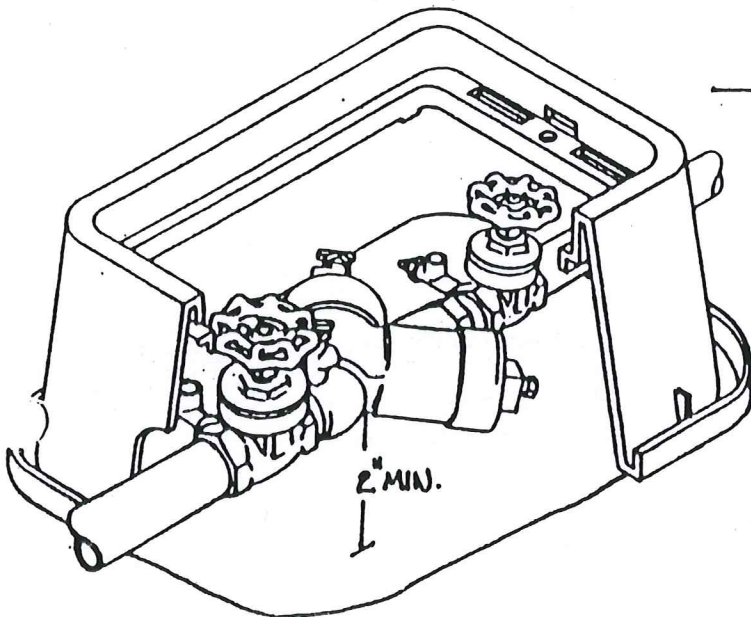
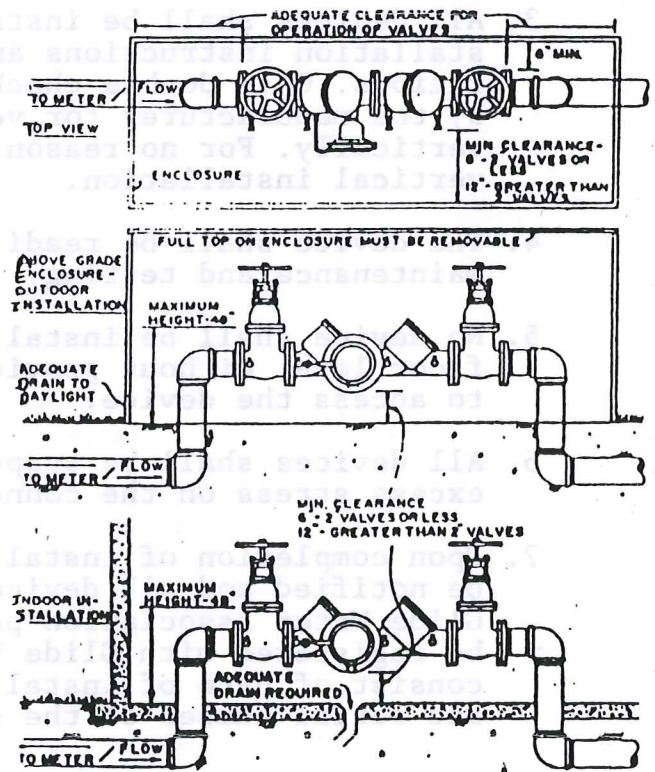


REDUCED PRESSURE PRINCIPLE DEVICE (RP)

A. Installation Requirements

1. Are required at any location where hazardous material could enter potable water (doctor offices, boilers, etc.).
2. Cannot be installed below ground.
3. Must be adequately drained if installed inside building.
4. Vertical installation restricted to manufacturer's recommendations.
5. Property owner assumes responsibility for leaks and water damage from drainage.
6. Installation under building or inside crawl spaces without 6' head clearance is **not** allowed.

B. Typical Installation



ACCEPTABLE METER BOX INSTALLATION FOR 3/4" DOUBLE CHECK VALVE ASSEMBLY.

Must maintain 2" clearance between bottom of valve and ground level.