

DOUBLE CHECK VALVE ASSEMBLY INSTALLATION STANDARDS:

1. It is critical that all D.C.V.A.'s be installed with adequate space consideration for testing, repair and winterization. All assemblies must meet minimum clearances see schematic standards. All assemblies shall be tested after installation and repairs to insure their proper installation and satisfactory operation.
2. No D.C.V.A. shall be installed more than five (5') feet above floor or ground, unless it is approved by the Water Division and is supplied with a platform for testing and repair. The platform must comply with all applicable safety standards and codes in effect and must be left on site.
3. When installed in a vault adequate space consideration must be given for proper testing and maintenance. The vault shall be large enough for free access of personnel, an adequate hatch in the cover, or complete cover removal through which personnel may access the vault. Provisions must be made for crane access for removing or repairing large assemblies. Large vaults must be provided with an approved ladder. Check specific manufacture's recommendations regarding any assembly installation. **IN EVERY CASE WHEN VAULT ACCESS IS REQUIRED, FOLLOW AND COMPLY WITH STATE AND LOCAL SAFETY REQUIREMENTS FOR CONFINED SPACE ENTRY!**
4. Assemblies 2.5" and larger shall have supports to prevent flange damage. Consult specific manufacturer recommendations for location of supports.
5. Size the assembly hydraulically to avoid excessive pressure loss. The head loss is not necessarily proportional to flow.
6. The use of strainers is highly recommended.
7. The use of water hammer arrestors or surge protectors may be needed.
8. Unless otherwise specified by the manufacturer all assemblies are to be installed on cold potable water applications – below 110 degrees Fahrenheit. All assemblies are approved for HORIZONTAL ORIENTATION ONLY, unless specifically noted in the University of Southern California, Foundation for Cross-Connection Control and Hydraulic Research, List of Approved Backflow Prevention Assemblies, most current list.
9. Thoroughly flush inlet line prior to installing any assembly. The most common failure in new installations is debris fouling one or both check valves.
10. City of Post Falls Municipal Code Section 13.28.160 testing and maintenance of assemblies, states, "Each backflow prevention assembly shall be tested to insure that it functions properly: A. Upon installation. B. After repairs. C. After being relocated, moved, or reinstalled. D. Annually."

Please refer to schematics. Thank you for your cooperation in our efforts to protect yours and the public's potable water supply from contamination.