



Backflow Prevention Program

Reduced Pressure Principle Backflow Prevention Assemblies Pre-Approved Products and Installation Guidelines

1. Pre-Approved Reduced Pressure Principle Backflow Prevention Assemblies

The following Reduced Pressure Principle Backflow Prevention Assemblies (RP) are pre-approved by the District for use on domestic and irrigation water services, subject to applicable service size and installation requirements.

A. Domestic and Irrigation Services — ¾-inch through 2-inch

The following **Lead-Free** Reduced Pressure Principle Backflow Prevention Assemblies are pre-approved:

- **Watts LF009 and LF909 Series**
- **Wilkins 975XL2**

B. Domestic and Irrigation Services — 3-inch through 10-inch

The following Reduced Pressure Principle Backflow Prevention Assemblies are pre-approved:

- **Wilkins 375AST and 375ASTR**

2. Other Approved Backflow Prevention Assemblies

Backflow prevention assemblies manufactured by other manufacturers or models not specifically identified above must be listed on the USC Foundation for Cross-Connection Control and Hydraulic Research List of Approved Backflow Prevention Assemblies and **must receive District approval prior to installation.**

The complete list of USC-approved backflow prevention assemblies is available through the:

[USC Foundation for Cross-Connection Control and Hydraulic Research — List of Approved Backflow Prevention Assemblies](#)

Contractors and property owners shall not install an alternate assembly without obtaining District approval prior to installation. Installation of an assembly without prior District approval may require removal and replacement with an approved assembly at the customer's expense.

3. Backflow Prevention Assembly Installation

Section 4.B.1 — Backflow Prevention Device Installation

Backflow prevention assemblies shall be installed in accordance with the State of California Cross-Connection Control Policy Handbook (CCCPH) and uniform plumbing code.

The assembly shall be located **as close as practical to the water user's service connection**. The District shall have final authority in determining the acceptable location of all backflow prevention assemblies.

Section 4.B.1.B — Reduced Pressure Principle Backflow Prevention Device (RP)

The approved Reduced Pressure Principle Backflow Prevention Assembly shall:

1. Be installed on the **user's side of the service connection** and as close to the service connection as practical.
2. Be installed with the **bottom of the assembly a minimum of twelve inches (12") above finished grade and no more than thirty-six inches (36") above finished grade**.
3. Maintain a minimum of **twelve inches (12") of side clearance** to provide adequate access for testing, maintenance, and repair.
4. Be installed in a location that is **readily accessible for inspection, testing, maintenance, and repair**.
5. Be installed so that no water connection or point of use located between the service connection and the RP assembly is supplied with unprotected water. **Water supplied from any point between the service connection and the RP assembly shall be protected in a manner approved by the District.**
6. Be protected from freezing with an **approved insulation bag or other District-approved means of freeze protection**.
7. Be installed in a manner that allows the assembly to be tested and maintained without obstruction or the need for removal of permanent structures or equipment.

The District reserves the right to require relocation of an assembly if the installation does not provide adequate access, clearance, protection, or compliance with District requirements.

4. District Approval

Approval of a backflow prevention assembly is separate from approval of its installation location. **An assembly may be USC-approved but still require District approval prior to installation.** The District may reject a proposed assembly or installation location when necessary to ensure compliance with the District's Cross-Connection Control Program, applicable regulations, testing and maintenance requirements, or site-specific conditions.