

## The Consolidated Mutual Water Company Backflow Prevention Specifications

### 1. Property Survey

A Consolidated Mutual Water Company (CMWC) Backflow Technician must survey any multifamily (3+ units) and commercial properties for potential hazards to the public water supply. The Backflow Technician must be given access to all building heating devices, irrigation systems, waterline entry points, and any additional areas where water may be utilized.

### 2. Backflow Prevention Assembly Selection

For properties requiring the installation of backflow protection, the assembly must be a **lead-free** USC approved Reduced Pressure Principle Assembly, unless otherwise approved by the CMWC Backflow Prevention Department. The Backflow Prevention Department will provide complete lists of approved assemblies upon request when given the connection size.

#### Examples of APPROVED Assemblies



#### FEBCO Models:

LF825Y  
lf825YA  
LF860  
LF860U

#### WATTS Models:

LF009M2QT  
LF009M2PCQT  
LF909QT  
LF919QT

#### WILKINS Models:

375XL  
975XL2  
975XL2U  
975XK2BMS



#### Examples of UNAPPROVED Assemblies



#### FEBCO Models:

825Y  
825YA  
860  
860U

#### WATTS Models:

009M2QT  
009M2PCQT  
909QT  
919QT

#### WILKINS Models:

375  
975  
975XL  
975XLBMS

### 3. Installation

The approved backflow prevention assembly shall be installed by a licensed plumber in accordance with the manufacturer's specifications, though in no case shall the assembly be installed less than 12" above the surrounding ground or floor and only in the USC approved orientation. The installation shall maintain an air gap between the relief valve at the bottom of the assembly and any drainage flood level rims that are no smaller than 2X the connection size. The installation shall provide adequate drainage in the case that the relief valve discharges at full flow. The assembly shall not be installed in any areas with hazardous gasses or extreme temperatures. The assembly shall not be installed underground or in any pits. After the installation is completed, the assembly shall be tested by a Certified Backflow Tester (reference list available upon request) who must submit the results through our web test entry site – [cmwc.tokaytest.com](http://cmwc.tokaytest.com).

**Please do not hesitate to contact our Backflow Prevention Department via phone (303-274-7433) or email: [Backflow@cmwc.net](mailto:Backflow@cmwc.net) with any questions or concerns.**