



VIRGINIA
AMERICAN WATER

2 - Cross Connection Control Requirements

Examples of various backflow preventers available



Reduced Pressure Principle Backflow Prevention Assembly (RPZ)



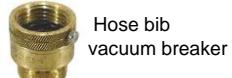
Double check detector assembly (DCDA)



Pressure Vacuum Breaker (PVB)



Double check backflow (DC)



Hose bib vacuum breaker



Outside spigot with hose bib vacuum breaker



Dual check valve for carbonated beverage machines



Residential dual check valve

Requirements for cross connection control

According to the Virginia Health Department Waterworks Regulations (12VAC5-590-610), an approved backflow prevention device shall be installed at the end of each service connection to the consumer's water system serving, but not necessarily limited to the following types of facilities:

- Hospitals, Mortuaries, Clinics, Veterinary establishments, Medical buildings and Laboratories
- Piers docks, and waterfront facilities
- Sewage treatment plants sewage pumping stations or storm water pumping stations
- Food and beverage processing plants
- Chemical plants, dyeing plants and pharmaceutical plants
- Metal plating industries
- Petroleum or natural gas processing or storage plants
- Radioactive materials processing plants or nuclear reactors
- Car washes and laundries
- Lawn sprinkler systems and irrigation systems
- Fire Service systems
- Slaughter houses and processing plants
- Farms where the water is used for anything other than typical house hold use
- Green houses and nurseries
- Health Clubs with swimming pools, therapeutic baths, hot tubs or saunas
- Paper and paper products plants and printing plants
- Pesticide or exterminating companies
- Any vehicles with storage or mixing tanks
- Schools with laboratory facilities
- High rise building (4 units or more)
- Multi use commercial, office or warehouse facilities
- Others specified by the purveyor or the division when reasonable cause can be shown for a potential backflow or cross connection hazard

Facilities having booster pumps shall be equipped with a low suction pressure cut-off device to shut off the pump when the pressure in the waterworks drops to a minimum of 10 PSI.

Customers may request a physical inspection to determine the type of backflow preventer required

Our cross connection control program requires “containment”

