

Backflow prevention assemblies shall be installed so that the inlet shut-off valve of the backflow preventor is the next piped fitting (including piping) after the water meter, except where a meter bypass, limited area fire system or strainer is needed.

When the meter is located in a meter vault and the backflow preventor has been approved to be installed in the building, the backflow assembly inlet valve shall be twelve (12) inches from the wall or immediately after the ninety degree bend where the supply enters the building from the floor.

All assemblies are to be installed in a horizontal orientation.

Minimum and maximum ground clearance is measured from the floor to the lowest part of the assembly.

Each installation shall include properly located test cocks and manufacturer approved tightly closing shutoff valves.

No Backflow Prevention Assembly shall be subject to excessive heat or freezing.

It is recommended that an adequately sized floor drain be installed as close as possible to the Assembly.

Reduced Pressure Principal Backflow Assemblies shall not be installed in a pit, vault or any area subject to flooding and shall always have an approved Air Gap Assembly.

Pressure Vacuum Breakers shall never be subject to back pressure and must be installed a minimum of 12" above the highest downstream piping.

Lawn Irrigation Systems shall not have any outside exposed tees, drains or hose bibbs.

Backflow Prevention Assemblies will prevent the release of on-site pressure to the public distribution water system. Therefore, internal compensation in accordance with the Ohio Plumbing Code shall be considered and made when needed, to relieve any excessive increase in on-site pressure due to hot water heating systems or other heat sources.

No Backflow Prevention Assembly shall be bypassed unless the bypass line contains equal backflow protection and the approval of the Division of Water.

If there is a reason any of these criteria cannot be met, the Contractor will need to contact the Backflow Prevention Office at 645-6674. In addition, the Contractor shall notify the Backflow Prevention Office to arrange for inspection of the Backflow Assembly for approval by Division of Water.

CITY OF COLUMBUS  
DEPARTMENT OF PUBLIC UTILITIES  
DIVISION OF WATER

APPROVED:

*Danella Patterson*  
ADMINISTRATOR

5/17/21  
DATE

STANDARD DETAIL  
BACKFLOW PREVENTER  
SETTING  
(INSTALLATION RULES)

