



City of

Farmington, New Mexico

Residential

Sprinkler Systems

603.5.6 PROTECTION FROM LAWN SPRINKLERS AND IRRIGATION SYSTEMS

Note: Pressure type vacuum breaker installed ahead of control valves 12" 304.8 mm above grade and above heads. (See Section 603.3.5 and Table 603.2)

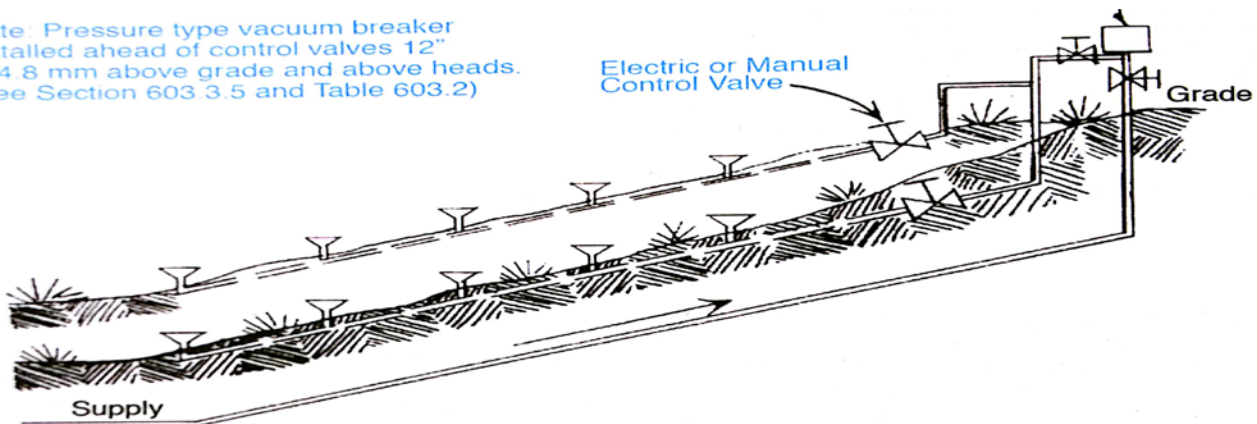
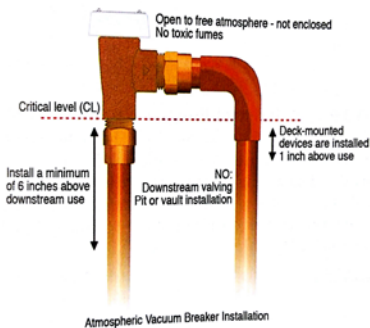


FIGURE 603.5.6
LAWN IRRIGATION SYSTEM WITH PVB INSTALLATION

Potable water supplies to systems having no pumps or connections for pumping equipment, and no chemical injection or provisions for chemical injection, shall be protected from backflow by one of the following devices:

- (1) Atmospheric vacuum breaker (AVB)
- (2) Pressure vacuum breaker backflow prevention assembly (PVB)
- (3) Spill-resistant pressure vacuum breaker (SVB)
- (4) Reduced-pressure principle backflow prevention assembly (RP)



Atmospheric Vacuum Breaker Installation
FIGURE 603.3.2B
INSTALLATION OF AVB

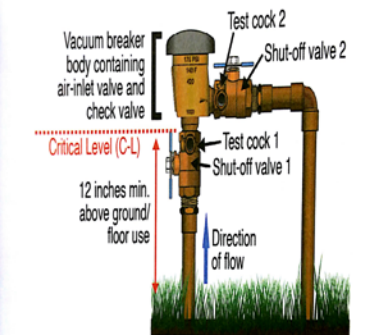


FIGURE 603.3.5
PRESSURE VACUUM BREAKER BACKFLOW PREVENTION ASSEMBLY INSTALLATION

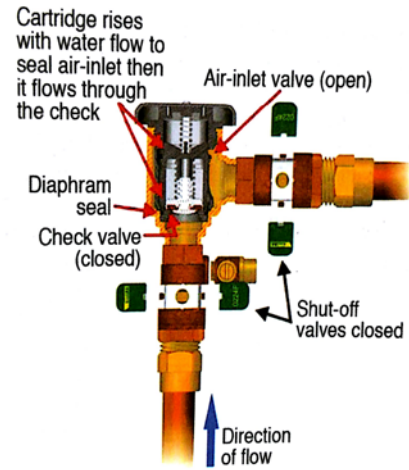


FIGURE 603.3.6
SPILL RESISTANT PRESSURE VACUUM BREAKER

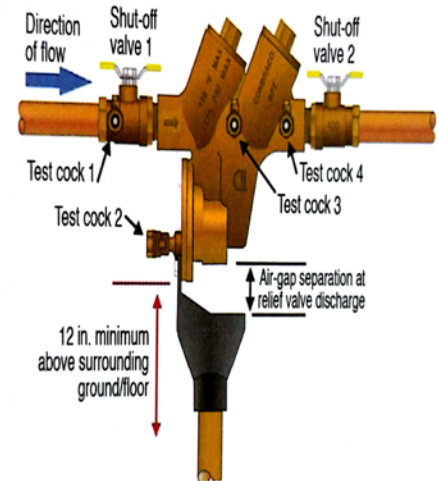


FIGURE 603.3.7
REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY

603.5.6.1 SYSTEM WITH PUMPS

Where sprinkler and irrigation systems have pumps, connections for pumping equipment, or auxiliary air tanks, or are otherwise capable of creating backpressure, the potable water supply shall be protected by the following type of device where the backflow device is located upstream from the source of backpressure:

- (1) Reduced-pressure principle backflow prevention assembly (RP)

603.5.6.2 SYSTEMS WITH BACKFLOW DEVICES

Where systems have a backflow device installed downstream from a potable water supply pump or a potable water supply pump connection, the device shall be one of the following:

- (1) Atmospheric vacuum breaker (AVB)
- (2) Pressure vacuum breaker backflow prevention assembly (PVB)
- (3) Spill-resistant pressure vacuum breaker (SVB)
- (4) Reduced-pressure principle backflow prevention assembly (RP)

603.5.6.3 SYSTEMS WITH CHEMICAL INJECTORS

Where systems include a chemical injector or provisions for chemical injection, the potable water supply shall be protected by the following:

- (1) Reduced-pressure principle backflow prevention assembly (RP)

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