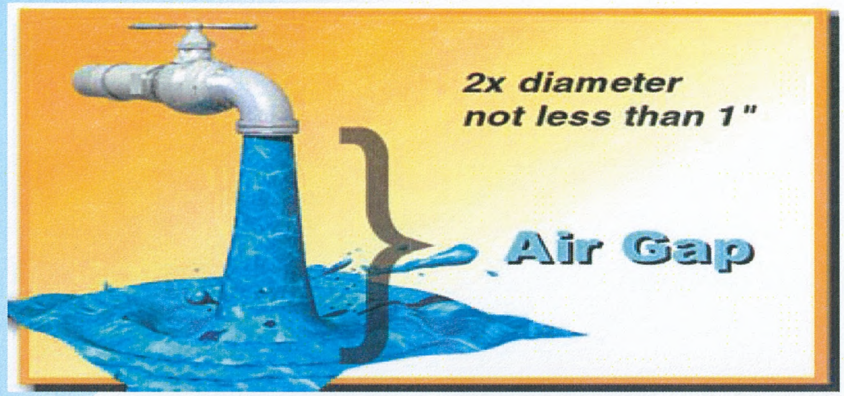
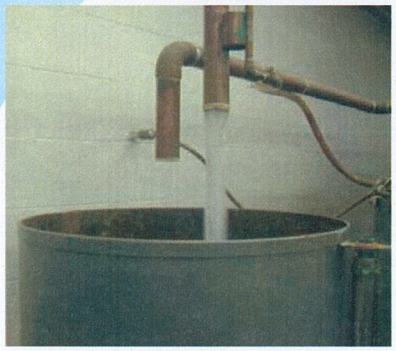
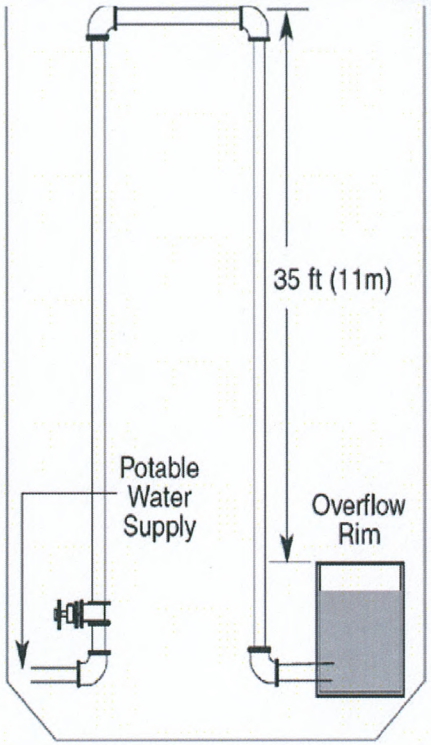
Air Gap

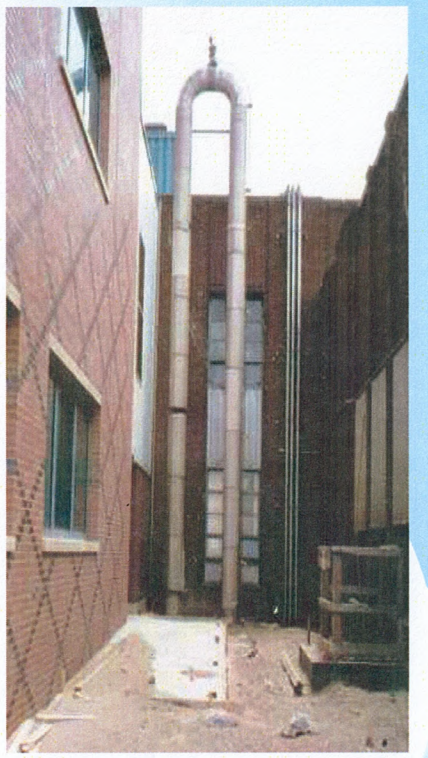




- Most effective method of backflow prevention.
- Used in health and non-health installations.
- Protects against back pressure and backsiphonage.

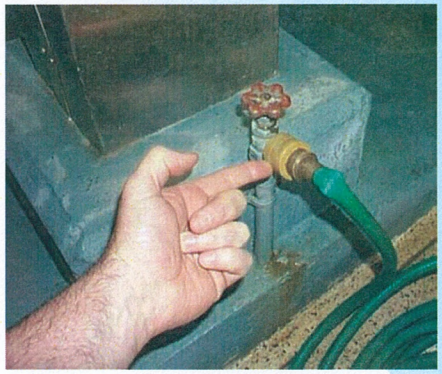
Barometric Loop





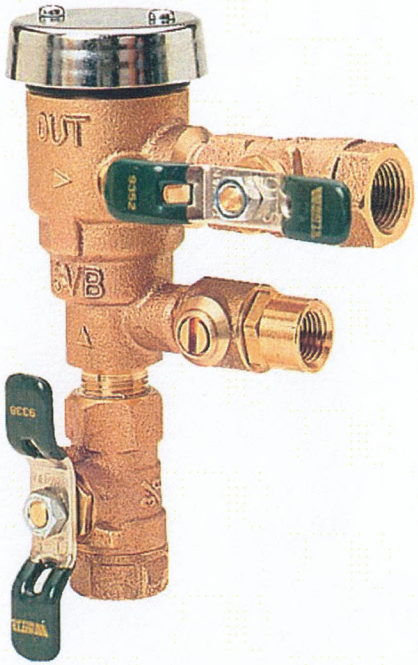
- Based on the principle that a column of water won't raise above 33.9 feet at sea-level atmospheric pressure.
- Used in health and non-health installations.
- Protects against backsiphonage only.

Atmospheric Vacuum Breakers (AVB)



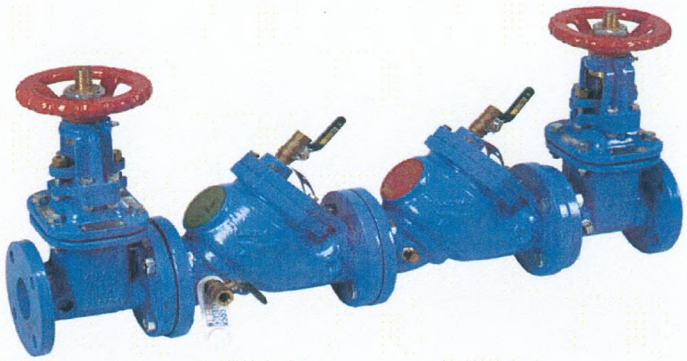
- Used in health and non-health hazard installations.
- Protects against backsiphonage ONLY.
- CAN'T be used under constant pressure (*i.e.* no shut-off valves installed downstream of device).
- Commonly used on plumbing fixtures and hose bibs.

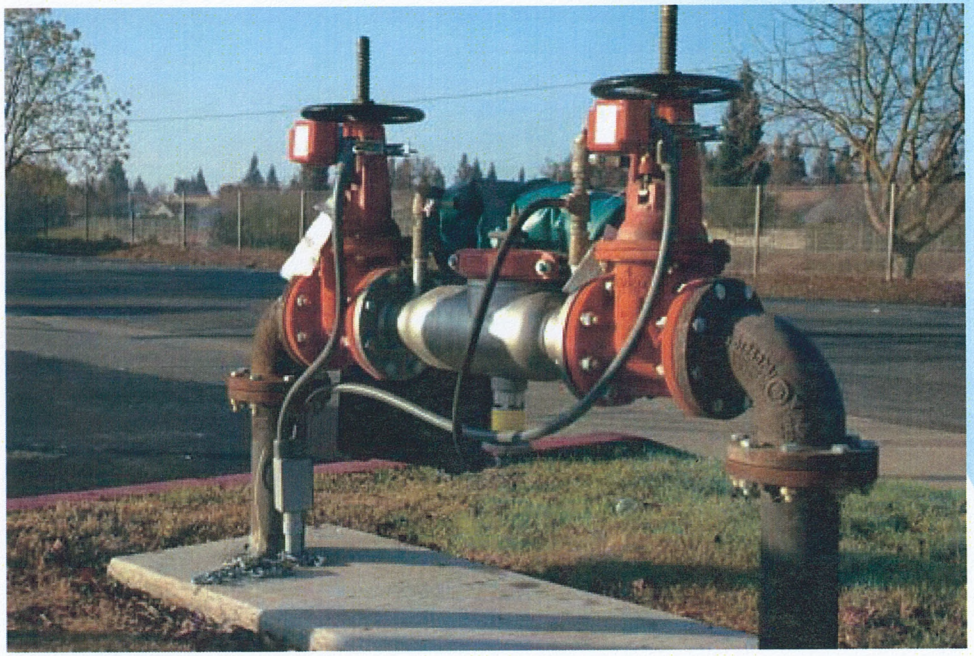
Pressure Vacuum Breaker (PVB)



- Used in health and non-health hazard installations.
- Protects against backsiphonage ONLY.
- Can be used under constant pressure.
- Commonly used in agricultural and irrigation installations.

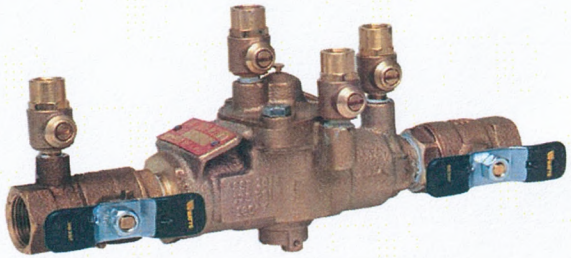
Double Check Valve Assembly (DC)





- Used in non-health hazard installations.
- Protects against backsiphonage and backpressure.
- Can be used under constant pressure.
- Common installations include fire sprinkler systems, multiple residential dwelling units served by the same meter, multistoried office or commercial buildings.

Reduced Pressure (RP or RPZ)



- Used in health and non-health hazard installations.
- Provides maximum protection against backsiphonage and back pressure.
- Can be used under constant pressure.
- Common installations include carwashes, dry cleaners, funeral parlors, hospital autopsy rooms, industrial processing plants, sewage facilities, etc.