

REGIONAL BUILDING DEPARTMENT

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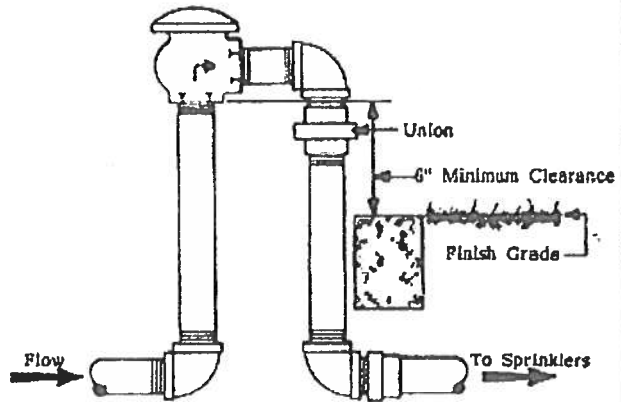
ATMOSPHERIC VACUUM BREAKERS

An Atmospheric Vacuum Breaker is a relatively simple device which uses a disc float assembly to seal off the atmospheric vent area when the system is pressurized (i.e. water is flowing through the device to the irrigation system). When the water supply is shut off, or if the line pressure drops to atmospheric or lower (vacuum), the float falls, opening the atmospheric vent and allowing air to enter the piping system, thus effectively destroying the possibility of back-siphonage.

Atmospheric Vacuum Breakers are designed to prevent back-siphonage only. They are not effective against backflow due to back pressure and should not be installed where they will be under continuous operating pressure.

The minimum installation requirements for Atmospheric Vacuum Breakers are as follows:

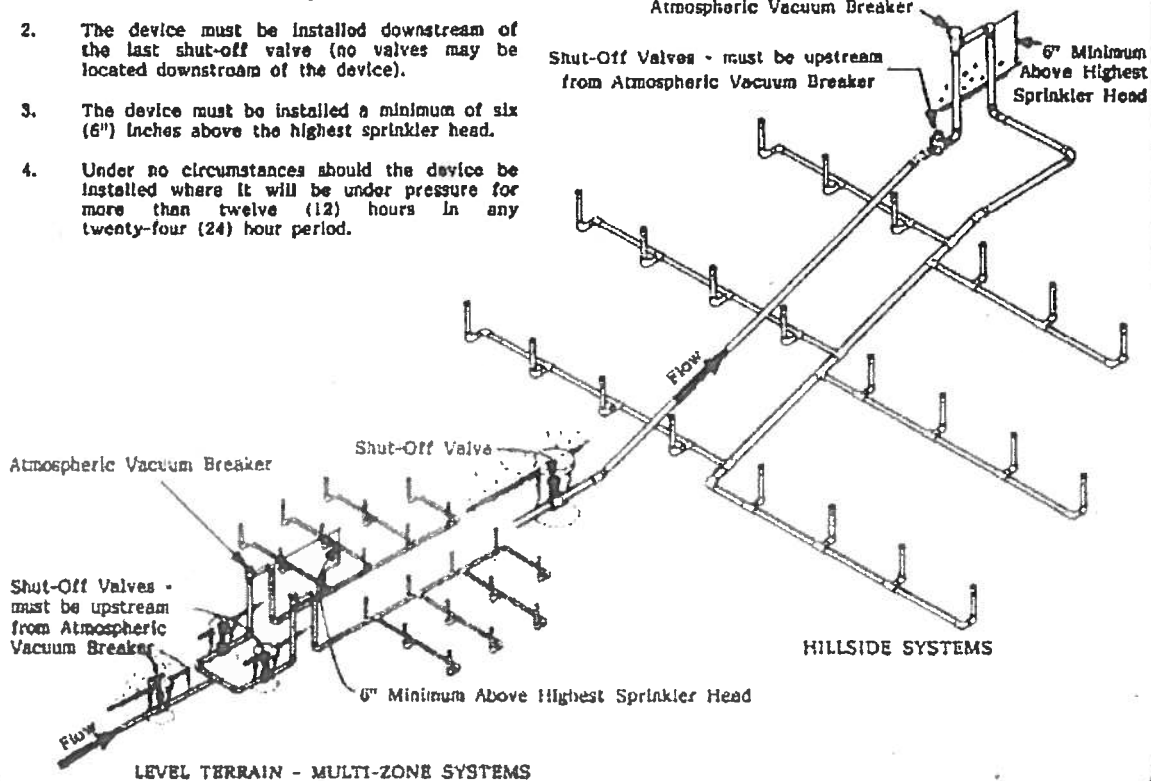
1. The device should be installed in an accessible location to facilitate inspection and servicing.
2. The device must be installed downstream of the last shut-off valve (no valves may be located downstream of the device).
3. The device must be installed a minimum of six (6") inches above the highest sprinkler head.
4. Under no circumstances should the device be installed where it will be under pressure for more than twelve (12) hours in any twenty-four (24) hour period.



Atmospheric Vacuum Breaker

Shut-Off Valves - must be upstream from Atmospheric Vacuum Breaker

6" Minimum Above Highest Sprinkler Head



LEVEL TERRAIN - MULTI-ZONE SYSTEMS

HILLSIDE SYSTEMS