



OPERATIONAL MANUAL:
AS-075, AS-100, ASU-075, ASU-100, ASLS-075,
ASLS-100, ASLSU-075, ASLSU-100, AVB-075,
AVB-100, AVBU-075, AVBU-100

OPERATIONAL MANUAL:
AS-075, AS-100, ASU-075, ASU-100, ASLS-075, ASLS-100, ASLSU-075,
ASLSU-100, AVB-075, AVB-100, AVBU-075, AVBU-100

The Anti-siphon valves are diaphragm valves utilizing controlled flow and atmospheric vacuum breakers.

These valves are designed for water pressures of up to a maximum of 150 PSI. When used in higher pressure applications, a pressure regulator should be installed.

These valves and vacuum breakers are designed be used when connecting sprinkler irrigation systems to a municipal water supply and meet or exceed most building codes.

These valves and vacuum breakers are designed and built to prevent the possibility of back siphoning of water from sprinkler lines into potable drinking water.

All Anti-siphon valves and Vacuum breakers must be installed a minimum of 6 to 12* inches above the highest elevated piping or sprinkler in a given circuit

Installation should be according to **diagram #1**

In general, our Anti-siphon valves and Vacuum breakers must be installed vertically and can not have shut offs down stream.

CAUTION: Never use this anti-siphon valve or vacuum breakers as a master valve or main line backflow device. We do not recommend operating this valve continuously for more than twelve hours. Do not install any other valves down stream. When installed improperly, these valves can fail or burst.

The valve size is determined by the corresponding water flow (GPM) of the main line or the sprinkler circuit. 3/4 valves: 13 GPM or less, 1" valves: 14 GPM or more.

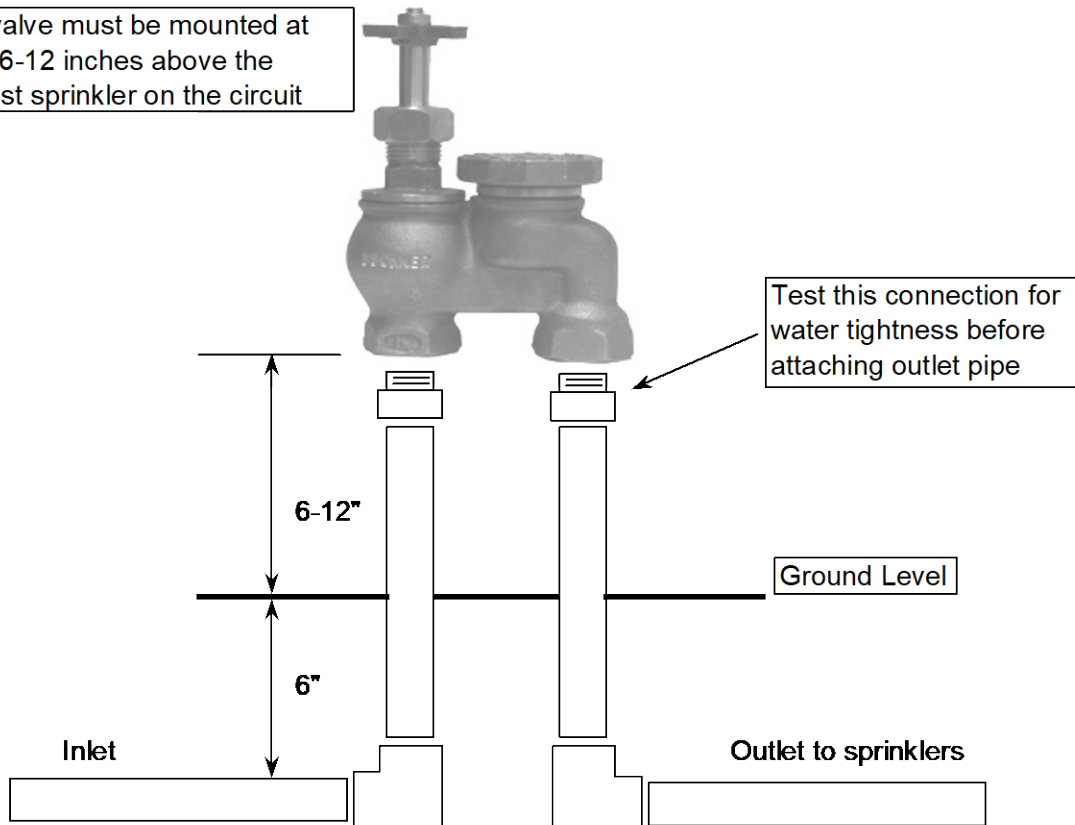
Always thoroughly flush the main line before connecting and testing the assembly. Debris may damage the valves. Use appropriate metal pipe or Schedule 40 PVC, on the inlet side of the control valve. Thin walled PVC pipe or flexible polyethylene pipe may be used down stream of valve. Teflon tape should always be used when connecting valves on the pipe connections.

Remember: **DO NOT OVER-TIGHTEN.**

**Please check compliance to local plumbing codes*

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The valve must be mounted at least 6-12 inches above the highest sprinkler on the circuit



Installation diagram #1