

ASV-075 and ASV-101

Automatic Anti-Siphon Valve Installation Instructions

Hunter[®]
The Irrigation Innovators

Installation

All Hunter Industries Anti-Siphon Valves should be installed above ground and at least 6 to 12 inches above the highest sprinkler to prevent back pressure or drainage. Installations at any height lower than this may result in unsafe backflow condition.

Consult your local codes to verify this height for your specific area. Do not install any other shut-off valves between the anti-siphon valve and the sprinkler heads. Do not bury this product.

In areas where freezing conditions occur, make provisions for draining the system by using both a drain valve and a stop-and-waste shut-off valve installed on the main line feeding the sprinkler system. To assure complete drainage of the valve after the water supply is shut-off, electrically energize each valve for at least 2-3 minutes. This will vent the upper cavity of the valve allowing maximum drainage.

The ASV-075 and ASV-101 Anti-Siphon valves are rated for use up to 150 PSI at 110° F. The flow control can be used to reduce the downstream pressure on high-pressure installations. Devices shall not be subjected to continuous pressure for more than twelve (12) hours.

To install the valve:

1. Flush the line thoroughly before installation to clean out any debris.
2. Use only Teflon paste or tape on all threaded valves to pipe connections. **Note: Do not use Pipe Dope or solvent cement on threaded connections.** After applying the paste or tape around the male adapter or nipple threads, insert the male adapter or nipple into the valve. Tighten by hand, then using a wrench, turn the male adapter or nipple ½ turn to ensure a good seal. Over tightening of fittings may break the valve.
3. If using male adapters or a slip version of the ASV, glue the male adapters or valve to the pipe (consult your local codes for type of glue to be used). If using a threaded nipple, use the same procedure as above for the threaded connections on the mainline and downstream piping.
4. To test the connections for water leaks, turn on the main water supply. The valves may open when first pressurized and will close within 1 minute.

Electrical Connection

All Hunter Industries Automatic Anti-Siphon Valves are supplied with a 24 volt solenoid. Connect the solenoid only to a controller that uses an approved class 2, 24 VAC transformer as a power source via approved direct burial type wire. Valve wires can be buried. All wire splices should be joined using waterproof connectors. Run one common wire to each location to serve all the valves at that location. **Note: Allow enough slack in the solenoid wires to enable the removal of the solenoid if future maintenance should be required.**

Warning: Do not connect the solenoid leads to 110 VAC house current, serious injury or electrocution could result.

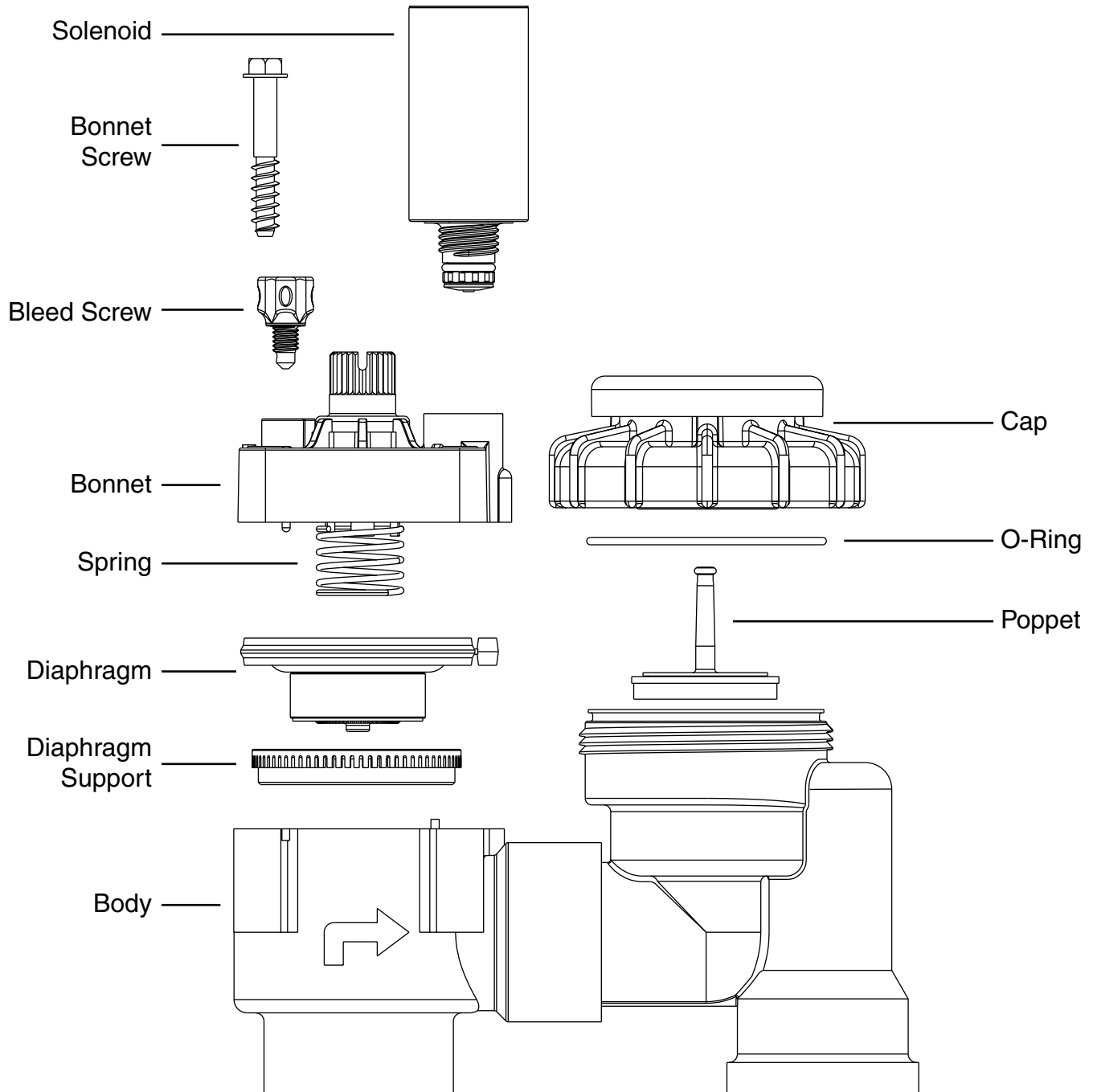
Manual Operation

The ASV-075 and ASV-101 utilize two manual operation methods—an internal manual bleed and an external manual bleed. To operate the valve manually, choose from either of the following procedures. Turn the solenoid ¼ turn counterclockwise or open the bleed screw ¼ turn. To stop manual operation simply tighten either the solenoid or the bleed screw to its original position. The valve will close within 15 seconds.

Adjustment of Flow Control

Open the valve electrically or manually. With the valve open and the system fully pressurized, turn the flow control handle clockwise until the sprinklers are putting out droplets of water with minimal fogging. The flow is now set for that sprinkler system.

ASV-075/ASV-101 Anti-Siphon Valve



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