1. Attach the Valves
After flushing lines, install the valve to the main line with an adapter or nipple (adapter or nipple not required for Maze Jr. Tap valve)

2. Attach Sprinkler Lines
Attach sprinkler to the valve with a sprinkler adapter or nipple (no adapter or nipple required for Maze Jr. Tap valve).

3. Run the Wire
Turn off water. Connect the main line to the electrical wire. Use a UL-approved 24-volt Class 2 transformer as a power source.

4. Turn off water. Unscrew the solenoid and replace.

5. Close the Sprinkler Valves
Turn off water. Screw the solenoids clockwise until closed. When the water is turned on, the valve will remain closed.

6. Test the System
After all pipe and fittings have been installed, turn the water supply on and check for leaks with the valves closed.

7. Open the Valves
Turn the manual bleed lever/screw counter-clockwise to drain the valve. Then close the manual bleed lever/screw to shut the valve off. The system is now ready to be controlled electrically from the timer or manually by opening the valve.

Draining
In freezing areas, the valve should be left open to drain.

Refer to the Orbit Layout Guide or local dealer to recommend proper drain points.

Set the water pressure in the manifold at about 552 KPa. Install a pressure regulator upstream of the valve. If static water pressure exceeds 552 KPa, a pressure regulator should be used. The water pressure in the valve should never reach 552 KPa for any reason.

Always check local codes before installing any sprinkler system.

7. Attach the Valve
When flushing lines, install the valve to the main line with an adapter or nipple (adapter or nipple not required for Maze Jr. Tap valve).

2. Attach Sprinkler Lines
Attach sprinkler to the valve with a sprinkler adapter or nipple (no adapter or nipple required for Maze Jr. Tap valve).

3. Run the Wire
Turn off water. Connect the main line to the electrical wire. Use a UL-approved 24-volt Class 2 transformer as a power source.

4. Turn off water. Unscrew the solenoid and replace.

5. Close the Sprinkler Valves
Turn off water. Screw the solenoids clockwise until closed. When the water is turned on, the valve will remain closed.

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Troubleshooting for Inline Valves
It is rare that your Orbit inline valve will not operate as it should. If you have any problems, try the following solutions:

Problem: The valve will not open electrically
First, turn the power off at the breaker box. Then turn the water supply on and/or off (counter clockwise). Once the manual bleed lever/screw when manual test is complete.

Check if... 

1. The solenoid is installed electrically

2. Wires are connected

3. There is water in the port hole

4. Defective solenoid

5. Corroded plunger in solenoid

6. Malfunction in valve

Problem: The valve will not close

Check if... 

1. The solenoid is installed electrically

2. Defective plunger in valve

3. Defective solenoid

4. Malfunction in valve

Problem: External valve leaks

Check if... 

1. Valve installed incorrectly

2. Pressure is too high

3. Leaking valve stem

Always check local codes before installing any sprinkler system.

If static water pressure exceeds 552 KPa, a pressure regulator should be used.