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> [Orbit 57034 3/4" Brass Automatic Converter Sprinkler Valve Instruction Manual](#)

Orbit 57034

Orbit 57034 3/4" Brass Automatic Converter Sprinkler Valve Instruction Manual

PRODUCT OVERVIEW

The Orbit 57034 3/4" Brass Automatic Converter Sprinkler Valve is designed to transform existing manual brass irrigation valves into fully automatic valves. This unit is compatible with standard 3/4 inch brass valve bodies from various manufacturers, including Champion, Superior, Rain Bird, and LawnLife, provided they have 1-1/4 inch-16 UN threads. It features a 24 VAC solenoid for compatibility with major irrigation controller brands and includes an adjustable flow control for precise water pressure management.

Constructed from durable brass, this converter valve offers enhanced longevity compared to plastic alternatives. It incorporates a reinforced valve diaphragm with a copper washer seal to prevent leaks and a stainless steel spring for reliable operation. The valve is designed to operate within a pressure range of 25 to 150 PSI.

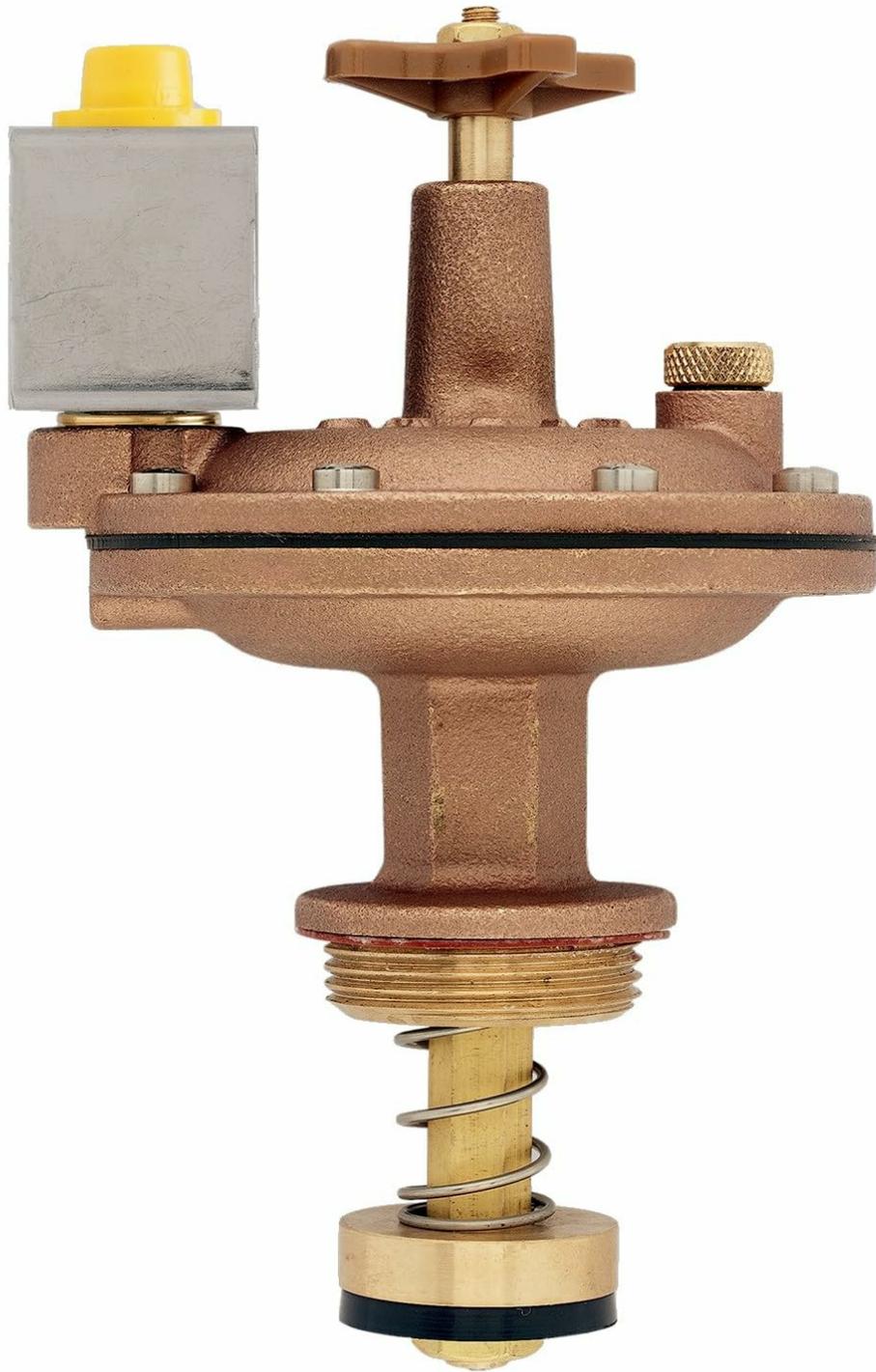


Image: The Orbit 57034 3/4 inch Brass Automatic Converter Sprinkler Valve, showing its brass construction and solenoid.

SETUP AND INSTALLATION

Follow these steps for proper installation of your Orbit 57034 Automatic Converter Sprinkler Valve:

1. **Turn off Water Supply:** Before beginning any installation, ensure the main water supply to your irrigation system is completely shut off to prevent water flow and potential leaks.
2. **Remove Existing Valve Stem:** Carefully remove the existing manual valve stem from the brass valve body. This typically involves unscrewing it.
3. **Install Automatic Brass Converter:** Thread the new Orbit automatic brass converter into the existing brass valve body. Ensure it is securely tightened to prevent leaks. This unit is a direct screw-in replacement for worn converter valves.

4. **Connect Wiring:** Connect the two wires from the solenoid to your sprinkler controller's wiring harness. This valve is compatible with all major 24 VAC irrigation controllers, including Orbit B-hyve, Hydro-Rain, Rain Bird, and Hunter. The solenoid features nickel-plated copper wire for reliable operation.
5. **Restore Water Supply:** Once the converter is installed and wired, slowly turn the main water supply back on. Check for any leaks around the valve body.

AUTOMATIC BRASS VALVE CONVERTER

CONVERTIDOR DE
VÁLVULA DE LATÓN
AUTOMÁTICO

3/4 in



Image: Visual guide showing the process of installing the automatic brass converter into an existing valve body.

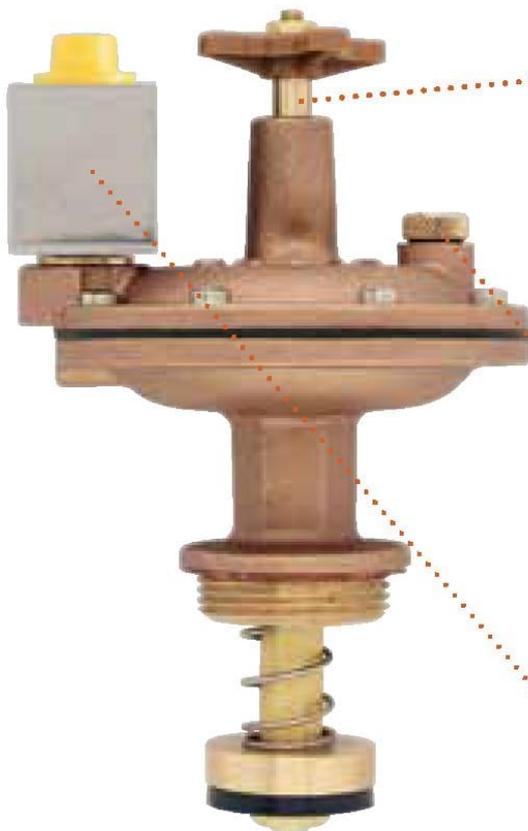
OPERATING INSTRUCTIONS

The Orbit 57034 valve offers both automatic and manual operation capabilities:

- **Automatic Operation:** Once connected to a compatible 24 VAC irrigation controller, the valve will open and close according to the programmed schedule. Ensure your controller is properly set up for automatic watering cycles.
- **Manual Operation (Bleed Screw):** The valve features a manual bleed screw. This allows for quick testing of the valve operation or running a zone independently of the automatic schedule without an electrical connection. To manually open the valve, turn the bleed screw counter-clockwise. To close

it, turn it clockwise.

- **Flow Control Adjustment:** The integrated flow control allows you to fine-tune the water pressure to your sprinkler system. Adjusting the flow control can reduce sprinkler fogging and over-spray, optimizing water distribution. Turn the flow control knob to increase or decrease the water flow rate.



Flow control adjustment— Reduces sprinkler fogging and over spray

Ajuste del control de flujo—
Disminuye el empañamiento y el
exceso de rocío del regador

Manual on/off feature— Ideal for testing and flushing sprinkler systems

Característica de encendido/
apagado—Ideal para probar y
descargar sistemas de regadores

Works with residential standard 24 volt sprinkler systems

Funciona con sistemas de regadores
residenciales estándar de 24 voltios

Universal—Works with major brands of brass manual valves (angle and anti-siphon)

Universal—Funciona con las principales
marcas de válvulas manuales de latón
(angulares y antisifón)

Heavy-duty brass construction—Provides years of reliable service

Fabricación de latón para trabajo
pesado—Proporciona años de
servicio confiable

Image: Diagram highlighting the flow control adjustment and manual on/off feature on the Orbit 57034 valve.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Orbit 57034 valve:

- **Periodic Inspection:** Periodically inspect the valve for any signs of wear, damage, or leaks. Pay attention to the connections and the area around the solenoid.

- **Cleaning:** If debris or sediment accumulates, it may affect valve operation. Turn off the water supply and carefully disassemble the top portion of the converter to clean any internal components. Reassemble securely.
- **Diaphragm and Spring Check:** The valve features a reinforced diaphragm with a copper washer seal and a stainless steel spring. While designed for durability, these components can wear over time. If you notice consistent leaks or improper valve operation, these internal parts may require inspection or replacement. The unit is designed for easy replacement of worn converter valves.
- **Winterization:** In regions subject to freezing temperatures, it is crucial to properly winterize your irrigation system, including the converter valve, to prevent freeze damage. Consult your irrigation system's overall winterization guide.

TROUBLESHOOTING

If you encounter issues with your Orbit 57034 valve, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Valve does not open automatically.	<ul style="list-style-type: none"> • No power to solenoid. • Faulty solenoid. • Wiring issue. • Controller not programmed correctly. 	<ul style="list-style-type: none"> • Check controller power and programming. • Verify wiring connections to the controller. • Test the valve manually using the bleed screw. If it opens manually, the issue is likely electrical or with the solenoid. • Replace solenoid if faulty.
Valve does not close completely or leaks.	<ul style="list-style-type: none"> • Debris in the valve. • Damaged diaphragm or spring. • Loose connections. • Flow control adjusted incorrectly. 	<ul style="list-style-type: none"> • Turn off water, disassemble, and clean internal components. • Inspect diaphragm and spring for damage; replace if necessary. • Ensure the converter is securely threaded into the valve body. • Adjust flow control to ensure proper closure.
Low water pressure or flow.	<ul style="list-style-type: none"> • Flow control restricted. • Partial valve opening. • System-wide pressure issue. 	<ul style="list-style-type: none"> • Adjust the flow control knob to increase flow. • Ensure the valve is fully opening (check manual operation). • Check other valves and main water supply for system-wide issues.

SPECIFICATIONS

Feature	Detail
Model Number	57034

Feature	Detail
Brand	Orbit
Material	Brass
Valve Type	Conversion Valve
Inlet/Outlet Connection Size	0.75 Inches
Connection Type	Threaded
Thread Size	0.75 inches (1-1/4 inch-16 UN threads for valve body compatibility)
Maximum Operating Pressure	150 PSI (Note: Product specifications also list 125 Pound per Square Foot)
Electrical Compatibility	24 VAC (compatible with major irrigation controllers)
Item Dimensions (L x W x H)	7 x 4 x 4 inches
Item Weight	2.3 Pounds
UPC	046878570344

WARRANTY INFORMATION

The Orbit 57034 3/4" Brass Automatic Converter Sprinkler Valve comes with a **6-year warranty**. For specific terms and conditions, or to make a warranty claim, please refer to the official Orbit website or contact customer support.



**AUTOMATIC
BRASS VALVE
CONVERTER**

Converts 3/4 in manual sprinkler valves to automatic

Compatible with Rain Bird®, Orbit®, Champion® and Lawn Genie®

3/4 in



CONVERTIDOR DE VÁLVULA DE LATÓN AUTOMÁTICO

Convierte las válvulas de
regadores manuales de
3/4 pulg. en automáticas

Compatible con
Rain Bird®,
Orbit®, Champion®
y Lawn Genie®



6 Year Warranty
Años de garantía

57034

Image: Product packaging indicating a 6-year warranty.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your Orbit 57034 Automatic Converter Sprinkler Valve, please visit the official Orbit website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

Online Resources: [Visit the Orbit Store on Amazon](#)