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IPW Industries Inc BV9014W

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INSTRUCTION MANUAL

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your IPW Industries Inc-Watts- BV9014W Flowmatic Elbow Ball Valve. This valve is designed for use in various plumbing applications, offering reliable flow control with its 1/4 inch FNPT and 1/4 inch compression fittings. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Safety Information

- Always turn off the main water supply before installing or performing maintenance on the valve.
- Ensure all connections are secure to prevent leaks. Do not overtighten compression fittings, as this can damage the plastic.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- This valve is designed for specific applications. Do not use it for purposes other than its intended use.
- Keep out of reach of children.

3. Package Contents

Verify that all components are present before beginning installation:

- 1x IPW Industries Inc-Watts- BV9014W Flowmatic Elbow Ball Valve (1/4 IN FNPT x 1/4 IN Compression Fitting, White)



Figure 1: IPW Industries Inc-Watts- BV9014W Flowmatic Elbow Ball Valve. This image shows the white elbow ball valve with its 1/4 inch FNPT and 1/4 inch compression fittings.

4. Specifications

Model Number	BV9014W
Manufacturer	IPW Industries Inc
Connection Type 1	1/4 IN FNPT (Female National Pipe Taper)
Connection Type 2	1/4 IN Compression Fitting
Material	High-strength plastic
Color	White
Valve Operation	Easy 45-degree on and off rotation
Product Dimensions	3 x 2 x 3 inches
Item Weight	1.6 ounces

5. Setup & Installation

- 1. Prepare the Installation Area:** Turn off the main water supply to the area where the valve will be installed. Drain any residual water from the lines.
- 2. Connect FNPT Side:** Apply appropriate thread sealant (e.g., PTFE tape) to the male threads of the pipe or fitting that will connect to the 1/4 IN FNPT side of the ball valve. Carefully thread the valve onto the pipe/fitting, ensuring a snug, leak-free connection. Do not overtighten.
- 3. Connect Compression Fitting Side:**
 - o Slide the compression nut, then the ferrule (if separate), onto the tubing that will connect to the compression side of the valve.
 - o Insert the tubing firmly into the compression fitting on the valve body until it bottoms out.
 - o Slide the ferrule and compression nut forward and hand-tighten the nut onto the valve body.

- Using a wrench, tighten the compression nut an additional 1/2 to 3/4 turn past hand-tight. Avoid overtightening, as this can deform the plastic tubing or fitting. The compression fitting is designed to create a tight, leak-free tube connection.
4. **Check for Leaks:** Slowly turn on the main water supply and carefully inspect all connections for any signs of leaks. If a leak is detected, turn off the water supply and re-tighten the connection slightly.

6. Operating Instructions

The IPW Industries Inc-Watts- BV9014W Flowmatic Elbow Ball Valve features an easy 45-degree on and off rotation for flow control.

- **To Open (Allow Flow):** Rotate the handle 45 degrees until it is aligned with the direction of the flow.
- **To Close (Stop Flow):** Rotate the handle 45 degrees until it is perpendicular to the direction of the flow.

The valve provides a quick and reliable shut-off or open position.

7. Maintenance

The BV9014W Flowmatic Elbow Ball Valve is designed for minimal maintenance. Follow these guidelines to ensure its longevity:

- **Regular Inspection:** Periodically check the valve and its connections for any signs of leaks, cracks, or damage.
- **Cleaning:** If necessary, clean the exterior of the valve with a soft cloth and mild soap. Avoid using harsh chemicals or abrasive cleaners, as these can damage the plastic material.
- **Operation:** Operate the valve periodically (open and close) to ensure smooth movement and prevent seizing, especially if it is in a static position for extended periods.

8. Troubleshooting

Problem	Possible Cause	Solution
Leak at FNPT connection	Insufficient thread sealant or loose connection.	Turn off water, reapply thread sealant, and tighten connection. Do not overtighten.
Leak at compression fitting	Loose compression nut, improperly seated tubing, or damaged ferrule.	Turn off water, ensure tubing is fully inserted, and tighten compression nut an additional 1/4 turn. Inspect ferrule for damage.
Valve handle is stiff or difficult to turn	Mineral buildup or infrequent use.	Operate the valve several times to free up the mechanism. If problem persists, consider replacement.
No water flow when valve is open	Main water supply off or blockage in the line.	Check main water supply. Inspect plumbing lines for blockages.

9. Warranty & Support

For warranty information or technical support regarding your IPW Industries Inc-Watts- BV9014W Flowmatic Elbow Ball Valve, please contact IPW Industries Inc directly. Keep your purchase receipt as proof of purchase.

Contact Information: Please refer to the manufacturer's official website or product packaging for the most current contact details.

