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› Woodford Y34-1-HC Model Y34 Series Freezeless Yard Hydrant with Flow Finder User Manual

Woodford Y34-1-HC

Woodford Y34-1-HC Model Y34 Series Freezeless Yard Hydrant User Manual

Comprehensive guide for installation, operation, and maintenance.

1. INTRODUCTION

Welcome to the user manual for your Woodford Y34-1-HC Model Y34 Series Freezeless Yard Hydrant. This manual provides essential information for the proper installation, safe operation, and effective maintenance of your yard hydrant. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

2. PRODUCT OVERVIEW

The Woodford Y34-1-HC Freezeless Iowa Yard Hydrant is designed to provide year-round water access, even in freezing conditions. It is ideal for various outdoor watering needs, including irrigation, filling spray equipment, and cleaning tools. Its robust construction ensures durability and reliable performance.



Figure 2.1: Close-up view of the Woodford Y34-1-HC Freezeless Yard Hydrant head, showing the handle and spigot.



Figure 2.2: Full view of the Woodford Y34-1-HC Freezeless Yard Hydrant, illustrating its complete structure from head to buried pipe.

3. KEY FEATURES

- **Protection Against Freezing:** Features a brass valve body resistant to corrosion and rusting, designed to prevent freezing even in subzero temperatures for year-round use.
- **Accurate Controls For Flow and Drainage:** Equipped with a one-piece valve plunger for maximum water flow with minimum effort. Includes a cushioned seal for longer life and ensures shut-off even with foreign particles.
- **Easy Installation and Adjustment:** An adjustable link provides quick and easy adjustment of the lever lock tension, offering convenience and accessibility for outdoor water tasks.

- **Durable and Reliable Lock Mechanism:** Designed with a flow finder and lock to help identify potential water leaks and waste, promoting efficient water use.
- **Ensures Smooth Operation:** Features a rod guide that prevents twisting or kinking of the water line, improving water flow and pressure.

4. SETUP AND INSTALLATION

Proper installation is crucial for the freezeless function of your Woodford yard hydrant. It is recommended to consult a qualified plumber or professional for installation to ensure compliance with local codes and proper function.

4.1 Site Selection

Choose a location that allows for easy access and is suitable for the hydrant's bury depth. The drain hole must be positioned below the frost line for automatic draining.

4.2 Installation Steps (General Guidelines)

1. **Excavation:** Dig a trench and hole to the required bury depth, ensuring the drain hole of the hydrant will be below the local frost line.
2. **Gravel Bed:** Create a gravel bed (approximately 6-12 inches deep) at the bottom of the hole around the drain opening to facilitate proper drainage.
3. **Connection:** Connect the 3/4" national pipe thread female inlet to your water supply line. Ensure all connections are secure and watertight.
4. **Backfill:** Carefully backfill the trench, ensuring the hydrant remains vertical and stable. Use compacted soil around the pipe, and ensure the gravel bed remains clear for drainage.
5. **Adjustments:** Adjust the lever lock tension using the adjustable link as needed to ensure smooth operation and proper shut-off.

For detailed, step-by-step instructions, refer to the full installation guide provided with your product packaging or consult the Woodford official website.

5. OPERATING INSTRUCTIONS

Operating your Woodford freezeless yard hydrant is straightforward:

- **To Turn On Water:** Pull the handle upwards until it is fully extended. Water will begin to flow from the spigot.
- **To Turn Off Water:** Push the handle downwards until it is fully closed. The water flow will stop, and the hydrant will automatically drain the water from the standpipe below the frost line, preventing freezing.
- **Locking Mechanism:** The handle features a hole that allows for a padlock (not included) to be inserted when the handle is in the closed position. This prevents unauthorized use of the hydrant.
- **Flow Adjustment:** The hydrant includes a variable flow adjustment mechanism. This allows you to control the water flow rate as needed.

6. MAINTENANCE

Your Woodford freezeless yard hydrant is designed for minimal maintenance. However, regular checks can ensure its continued reliable operation:

- **Seasonal Checks:** Periodically inspect the hydrant for any visible signs of wear, damage, or leaks, especially before and after freezing temperatures.
- **Drainage Area:** Ensure the gravel bed around the drain hole remains clear of debris and soil to allow for proper drainage. Impeded drainage can compromise the freezeless function.

- **Lubrication:** If the handle operation becomes stiff, a small amount of silicone-based lubricant can be applied to moving parts. Avoid petroleum-based lubricants as they can damage seals.
- **Seal Replacement:** Over time, the internal seals may wear. If you notice persistent dripping or reduced flow, replacement of the valve plunger and seals may be necessary. Consult the Woodford website or a professional for replacement parts and instructions.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Water continues to flow after closing handle.	Worn valve plunger/seal; debris in valve.	Replace valve plunger/seal; flush system to clear debris.
Hydrant freezes in cold weather.	Improper drainage; drain hole above frost line; clogged gravel bed.	Ensure proper bury depth and clear gravel bed. Check for obstructions in drain hole.
Low water flow.	Partially closed valve; obstruction in line; low water pressure.	Fully open handle; check water supply pressure; inspect for line obstructions.
Handle is stiff or hard to operate.	Lack of lubrication; minor corrosion.	Apply silicone-based lubricant to moving parts.

If you encounter issues not listed here or if troubleshooting steps do not resolve the problem, please contact Woodford customer support.

8. SPECIFICATIONS

Attribute	Detail
Brand	Woodford
Model Name	Y34-1-HC
Series ID	Y34
Material	Galvanized Steel (Body), Brass (Valve)
Color	Red
Item Weight	14.8 Pounds
Product Dimensions	3"D x 3.15"W x 2.56"H (Head)
Inlet Connection	3/4" National Pipe Thread Female
Drain Hole	1/8" Tapped National Pipe Thread (below frost line)
Special Feature	Freezeless
Manufacturer	Woodford
UPC	671090080113

9. WARRANTY AND SUPPORT

Woodford Model Y34 products carry a warranty for **5 years** against defects in workmanship and materials. This warranty ensures your product is free from defects under normal use and service.

9.1 Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact Woodford customer support through their official website or the contact information provided with your purchase. When contacting support, please have your model number (Y34-1-HC) and purchase date readily available.

Woodford is a trusted leader in the industry, and its products are made in the USA, ensuring quality and reliability.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question