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Everbilt EBYH02NL

Everbilt 2 ft. Bury Depth Frost-Proof Yard Hydrant

MODEL: EBYH02NL

Introduction

The Everbilt 2 ft. Bury Depth Frost-Proof Yard Hydrant, model EBYH02NL, is designed to provide a reliable water supply in outdoor environments, even during freezing temperatures. Its unique design allows the shut-off valve to operate below the frost line, preventing water in the stand-pipe from freezing. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your yard hydrant.

Key features include a strong 1-inch galvanized steel stand-pipe, a 3/4-inch female NPT brass valve for water supply connection, and a heavy-duty cast iron head with an extra-large handle for easy operation. The self-draining mechanism ensures that water drains from the pipe when the handle is in the closed position, eliminating the risk of freezing.

Product Overview



Figure 1: Full view of the Everbilt Frost-Proof Yard Hydrant.



Figure 2: Close-up of the heavy-duty cast iron handle and brass hose connector.



Figure 3: Detail of the brass valve and self-draining mechanism at the base of the stand-pipe.

Product Videos

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Video 1: Overview of a Frost Proof Yard Hydrant, demonstrating its general function and features. (Duration: 0:36)

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Video 2: Demonstration of a Frost-Free Yard Hydrant, highlighting its operational benefits in cold weather. (Duration: 0:54)

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Video 3: Quick look at a Frost Proof Yard Hydrant Faucet, showing its freeze-proof design and basic operation. (Duration: 0:12)

Setup and Installation

Proper installation is crucial for the frost-proof functionality of the yard hydrant. The shut-off valve must be buried below the local frost line to prevent freezing.

1. **Determine Frost Line:** Consult local building codes or agricultural extension offices to determine the average frost line depth in your area.
2. **Excavate Trench:** Dig a trench to the water supply pipe. The depth of the trench should be sufficient to ensure the hydrant's valve is below the frost line. For this 2 ft. bury depth model, the valve is designed to be 24 inches below ground, leaving approximately 27 inches above ground.
3. **Connect to Water Supply:** Connect the 3/4-inch female NPT brass valve at the bottom of the hydrant to your water supply pipe. Ensure all connections are watertight using appropriate sealants and fittings.
4. **Backfill:** Carefully backfill the trench, ensuring the hydrant remains vertical and stable. Compact the soil around the pipe to prevent settling.
5. **Test Operation:** Once installed, slowly open the water supply and test the hydrant for leaks and proper operation.

Important: The entire copper interface must be buried below the frozen soil layer to ensure frost-proof operation.

Operating Instructions

- **To Open:** Lift the extra-large cast iron handle upwards. The further the handle is lifted, the greater the water flow.
- **To Close:** Push the handle downwards until it is fully in the closed position. This action engages the self-draining mechanism, allowing all water in the stand-pipe above the frost line to drain out through the drain hole at the bottom of the valve.
- **Self-Draining Feature:** The hydrant is designed to be self-draining when the handle is fully closed. This prevents water from remaining in the pipe above the frost line, thereby preventing freezing and potential damage.
- **Hose Connection:** The spout includes a standard hose connector for easy attachment of garden hoses.

Maintenance

- **Regular Inspection:** Periodically check the hydrant for any signs of leaks, especially around the handle and spout.
- **Plunger Adjustment:** The 1-piece plunger design allows for easy adjustment using a square head set screw. Refer to the detailed diagram for specific adjustment procedures if water flow or shut-off is compromised.
- **Repairability:** The hydrant is designed for easy repair without the need for extensive digging, simplifying maintenance tasks.
- **Lubrication:** Occasionally lubricate moving parts of the handle mechanism with a silicone-based lubricant to ensure smooth operation.

Troubleshooting

- **Water Not Draining:** If water remains in the stand-pipe after closing the handle, ensure the handle is fully depressed. Check the drain hole at the bottom of the valve for any obstructions. The plunger may need adjustment or replacement if the seal is compromised.
- **Leaks from Spout/Handle:** Inspect the double o-ring sealing system and brass clevis rod for wear or damage. These components may need to be replaced to restore a positive seal.
- **Reduced Water Flow:** Check the water supply pressure. If the issue persists, the internal valve or plunger might be partially obstructed or require adjustment.

Specifications

Brand	Everbilt
Model Number	EBYH02NL
Bury Depth	24 inches (2 ft.)
Above Ground Height	Approximately 27 inches
Recommended Uses	Outdoor
Mounting Type	In-Ground
Material	Cast Iron (head), Galvanized Steel (stand-pipe), Brass (valve, clevis rod, hose connector)
Color	Green (as per product data, though images show blue)
Number of Handles	1
Special Feature	Self-draining
Installation Method	Single Hole
UPC	659647050116

Warranty and Support

For warranty information, technical support, or replacement parts, please contact Everbilt customer service. Keep your purchase receipt and model number (EBYH02NL) handy for faster service.

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