

Z1321-CXL-6

Generic Z1321-CXL-6 Exposed Wall Hydrant Instruction Manual

Model: Z1321-CXL-6

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Generic Z1321-CXL-6 Exposed Wall Hydrant. This lead-free, non-freeze, automatic draining wall hydrant is designed for flush installation in commercial applications such as office buildings, apartment complexes, malls, schools, churches, and industrial buildings. It features an integral backflow preventer with anti-siphon technology and is equipped with a key to control water flow, preventing unauthorized use.

SAFETY INFORMATION

- Always shut off the main water supply before beginning any installation or maintenance work.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure all connections are properly sealed to prevent leaks.
- If you are unsure about any part of the installation or repair process, consult a qualified plumber.
- This product is designed for specific wall thicknesses. Verify compatibility before installation.

PRODUCT OVERVIEW AND COMPONENTS

The Z1321-CXL-6 wall hydrant is constructed with a copper casing, bronze, and stainless steel interior components, ensuring durability and lead-free operation. It includes a type 304 stainless steel faceplate and an operating key.



Image: The Z1321-CXL-6 Exposed Wall Hydrant, showcasing its design and suitability for various commercial applications such as office buildings, apartment complexes, malls, schools, churches, and industrial buildings.

Key Components:

- **Hydrant Body:** Copper casing with bronze and stainless steel interior.
- **Faceplate:** Type 304 stainless steel for flush installation.
- **Operating Rod:** Non-turning rod with free-floating compression closure valve.
- **Inlet Connection:** Combination 3/4" [19] female solder and 3/4" [19] male pipe thread.
- **Hose Connection:** 3/4" [19] male hose connection.
- **Backflow Preventer:** Integral with anti-siphon technology.
- **Operating Key:** Included for controlling water flow.



Image: The Z1321-CXL-6 Wall Hydrant with its operating key inserted, demonstrating how the key engages with the valve mechanism.

SPECIFICATIONS

Feature	Specification
Model Number	Z1321-CXL-6
Material	Stainless Steel (Faceplate), Copper (Casing), Bronze/Stainless Steel (Interior)
Wall Thickness Compatibility	6 inches (152 mm)
Inlet Connection Size	3/4 inch (19 mm)
Inlet Connection Type	Female Solder and Male Pipe Thread
Outlet Connection Size	3/4 inch (19 mm)
Outlet Connection Type	Male Hose Connection
Maximum Operating Pressure	125 PSI

Features	Lead-Free, Non-Freeze, Automatic Draining, Anti-Siphon, Integral Backflow Preventer
Dimensions (L x W x H)	11 x 5.1 x 3.5 inches (Product)
Weight	4 pounds
Certifications	ASSE 1019A, UPC

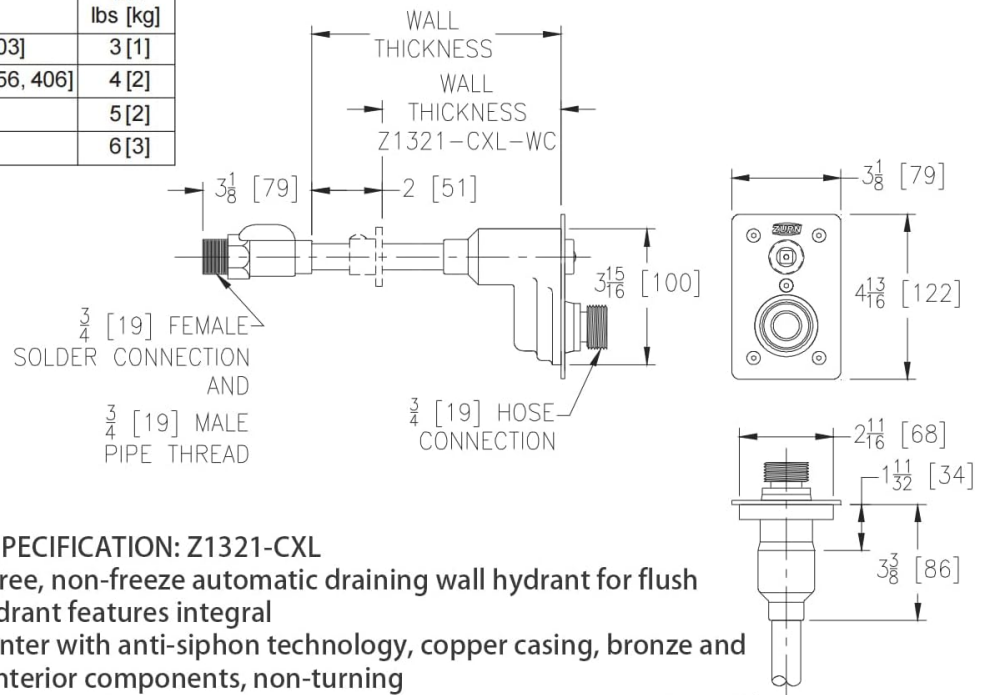
SETUP AND INSTALLATION

The Z1321-CXL-6 hydrant is designed for flush installation into a wall with a 6-inch thickness. Proper installation ensures optimal performance and prevents freezing.

Installation Steps:

- 1. Prepare Wall Opening:** Create an appropriately sized opening in the exterior wall to accommodate the hydrant body and faceplate for a flush fit.
- 2. Connect Water Supply:** Connect the hydrant's inlet to the building's water supply. The hydrant features a combination 3/4" female solder and 3/4" male pipe thread inlet connection. Ensure all connections are secure and watertight.
- 3. Mount Hydrant:** Insert the hydrant into the wall opening. Secure the type 304 stainless steel faceplate to the exterior wall using appropriate fasteners.
- 4. Test for Leaks:** Slowly turn on the main water supply and check all connections for leaks.
- 5. Verify Operation:** Insert the operating key and turn it to open and close the valve, ensuring smooth operation and proper water flow from the 3/4" male hose connection.

Wall Thickness in [mm]	Approx. Wt. lbs [kg]
4, 6, 8 [102, 152, 203]	3 [1]
10, 12, 14, 16 [254, 305, 356, 406]	4 [2]
18, 20 [457, 508]	5 [2]
22, 24 [559, 610]	6 [3]



ENGINEERING SPECIFICATION: Z1321-CXL

Exposed, lead-free, non-freeze automatic draining wall hydrant for flush installation. Hydrant features integral backflow preventer with anti-siphon technology, copper casing, bronze and stainless steel interior components, non-turning operating rod with free-floating compression closure valve, combination 3/4" [19] female solder and 3/4" [19] male pipe thread inlet connection, and 3/4" [19] male hose connection. Hydrant furnished with type 304 stainless steel faceplate and includes operating key.

Z1321-CXL WALL HYDRANT

Exposed, Non-Freeze, Anti-Siphon, Automatic Draining

OPTIONS (Check/specify appropriate options)

SUFFIXES

- ____ -AN Angled Nozzle Hose Connection
- ____ -PB Polished Bronze Face
- ____ -RK Hydrant Parts Repair Kit
- ____ -WC Wall Clamp
- ____ -34EL 3/4 [19] 90° Solder Inlet Elbow
- ____ -34FIP 3/4 [19] IP Straight Female Inlet Adapter

Image: Technical drawing illustrating the dimensions and connection points of the Z1321-CXL-6 wall hydrant, including wall thickness compatibility and inlet/outlet specifications.



Image: A detailed view of the Z1321-CXL-6 hydrant, highlighting its long barrel for easy access, valve mechanism for water release, and durable brass and stainless steel construction for weather resistance.

OPERATING INSTRUCTIONS

The Z1321-CXL-6 wall hydrant is operated using the provided key. This design helps prevent unauthorized use.

1. **To Open the Valve:** Insert the operating key into the keyhole on the faceplate. Turn the key counter-clockwise to open the valve and allow water to flow.
2. **To Close the Valve:** Turn the operating key clockwise until the valve is fully closed and water flow stops. Remove the key to secure the hydrant.

The hydrant features automatic draining and non-freeze technology. When the valve is closed, the hydrant automatically drains water from the exposed portion, preventing freezing in cold weather conditions. The integral backflow preventer with anti-siphon technology ensures that contaminated water cannot flow back into the potable water supply.

MAINTENANCE

Regular maintenance ensures the longevity and proper functioning of your Z1321-CXL-6 wall hydrant. The non-freeze and automatic draining features minimize routine maintenance requirements.

- **Periodic Inspection:** Periodically inspect the faceplate and hose connection for any signs of wear, damage, or leaks.
- **Valve Operation Check:** Ensure the operating key turns smoothly and the valve opens and closes completely. If resistance is felt, the internal components may require inspection.
- **Drainage Check:** After closing the valve, listen for the sound of water draining from the hydrant. This confirms the automatic draining feature is working correctly.
- **Component Replacement:** If internal components wear out, a Hydrant Parts Repair Kit (available separately, suffix -RK) can be used for replacement.



Image: A view demonstrating the disassembly of the Z1321-CXL-6 hydrant's internal components, illustrating how to access the valve mechanism for inspection or repair.



Image: An assortment of components typically found in a repair kit for the Z1321-CXL-6 hydrant, including seals, washers, and other small parts necessary for maintenance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No water flow when key is turned.	Main water supply is off; valve not fully open; obstruction in line.	Check main water supply. Ensure key is turned fully counter-clockwise. Inspect for obstructions.
Water leaks from hose connection.	Loose connection; damaged hose washer.	Tighten hose connection. Replace hose washer if damaged.
Water leaks from faceplate.	Improper installation; damaged internal seals.	Verify faceplate is securely mounted. Inspect and replace internal seals if necessary (refer to maintenance section).
Hydrant freezes in cold weather.	Automatic draining mechanism is obstructed or faulty; hydrant not fully closed.	Ensure the valve is fully closed after use. Check for obstructions in the drain path. Inspect internal components for proper function.

WARRANTY INFORMATION

For specific warranty details regarding the Generic Z1321-CXL-6 Exposed Wall Hydrant, please refer to the manufacturer's official website or the documentation provided at the time of purchase. Warranty terms and conditions may vary.

SUPPORT AND CONTACT

If you require further assistance, have questions about installation, operation, or maintenance, or need to order replacement parts, please contact your supplier or the manufacturer directly. Ensure you have your product

model number (Z1321-CXL-6) available when seeking support.