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BrassCraft WB00-24N

BrassCraft Copper-Flex WB00-24N Water Heater Connector Instruction Manual

Model: WB00-24N

INTRODUCTION

This manual provides detailed instructions for the safe and proper installation, operation, and maintenance of the BrassCraft Copper-Flex WB00-24N Water Heater Connector. This 3/4 inch Female Iron Pipe (FIP) copper connector is designed to connect the water supply to your water heater. It features an integrated dielectric sleeve, which isolates dissimilar metals within the waterway to prevent galvanic and electrolytic corrosion, thereby extending the life of the connector and preventing leaks.



Image: The BrassCraft Copper-Flex WB00-24N Water Heater Connector, a corrugated copper hose with brass fittings at each end.

SAFETY INFORMATION

Please read and understand all safety warnings and instructions before beginning installation. Failure to follow these instructions may result in property damage, personal injury, or death.

- Always turn off the main water supply and drain the water heater before attempting any installation or maintenance.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the work area is well-lit and free of obstructions.
- If you are unsure about any part of the installation process, consult a qualified plumber.
- Do not overtighten connections, as this can damage threads or the connector.
- Check for leaks thoroughly after installation.

PRODUCT COMPONENTS

The BrassCraft Copper-Flex WB00-24N Water Heater Connector includes the following key features:

- **Corrugated Copper Hose:** Provides flexibility and durability.
- **3/4 inch Female Iron Pipe (FIP) Nuts:** Located at both ends for secure connection.
- **Integrated Dielectric Sleeve:** Designed to prevent galvanic corrosion between dissimilar metals.
- **Length:** 24 inches.



Image: A close-up view of the brass FIP nut and the corrugated copper tubing of the connector, showing the threaded connection point.

SETUP AND INSTALLATION

Follow these steps for proper installation of the water heater connector:

1. **Prepare the Area:** Turn off the main water supply to your home. Turn off the power or gas supply to the water heater. Drain the water heater completely.
2. **Remove Old Connectors (if applicable):** Carefully disconnect and remove any existing water heater connectors. Be prepared for residual water.
3. **Clean Threads:** Ensure the threads on both the water heater inlet/outlet and the water supply pipes are clean and free of debris.
4. **Apply Thread Sealant:** Apply an appropriate thread sealant (e.g., PTFE tape or pipe dope) to the male threads of the water heater and the water supply pipes.
5. **Connect the Connector:** Hand-tighten the BrassCraft Copper-Flex connector's FIP nuts onto the water heater's inlet/outlet and the corresponding water supply pipes. The integrated dielectric sleeve will ensure proper isolation.

- 6. Tighten Connections:** Using a wrench, carefully tighten the nuts an additional 1/2 to 3/4 turn past hand-tight. Do not overtighten.
- 7. Check for Leaks:** Slowly turn on the main water supply. Inspect all connections for leaks. If leaks are detected, tighten the connection slightly until the leak stops. Do not overtighten.
- 8. Restore Power/Gas:** Once all connections are secure and leak-free, restore power or gas to the water heater.

OPERATING INSTRUCTIONS

Once properly installed, the BrassCraft Copper-Flex WB00-24N Water Heater Connector operates passively as a conduit for water flow to and from your water heater. Its primary function is to provide a flexible, durable connection while actively preventing galvanic corrosion. The integrated dielectric sleeve continuously isolates dissimilar metals, protecting the system from electrochemical reactions that can lead to premature failure and leaks.

MAINTENANCE

The BrassCraft Copper-Flex WB00-24N Water Heater Connector requires minimal maintenance. Regular inspection is recommended to ensure continued performance and safety.

- Periodic Inspection:** Annually, visually inspect the connector for any signs of leaks, corrosion, kinks, or physical damage.
- Leak Check:** If any moisture or drips are observed, turn off the water supply and gently tighten the connection. If the leak persists, the connector may need replacement.
- Replacement:** Connectors should be replaced if any signs of wear, damage, or persistent leaks are observed. Consult a qualified plumber for replacement.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Water Leak at Connection Point	Loose connection, damaged threads, insufficient thread sealant, or damaged washer/gasket.	Turn off water supply. Gently tighten the connection. If leak persists, disconnect, inspect threads and washer, reapply thread sealant, and reconnect. Replace connector if damaged.
Corrosion on Connector Surface	External moisture, chemical exposure, or extreme environmental conditions. (Internal corrosion is prevented by dielectric sleeve).	Clean the surface. Ensure the area is dry and well-ventilated. If corrosion is severe or compromises integrity, replace the connector.
Kinked or Damaged Connector	Improper installation, excessive bending, or external impact.	A kinked or damaged connector can restrict water flow or lead to leaks. Replace the connector immediately.

SPECIFICATIONS

Attribute	Detail
Model Number	WB00-24N
Brand	BrassCraft
Material	Copper
Size	3/4 inch FIP (Female Iron Pipe) x 3/4 inch FIP
Length	24 inches
Maximum Pressure	125 psi
Connector Type	Threaded
Exterior Finish	Copper
Thread Type	NPT
Item Weight	8 ounces
Product Dimensions (L x W x H)	25.5 x 6 x 5.37 inches

WARRANTY INFORMATION

Based on the provided product data, no specific warranty information is available for the BrassCraft Copper-Flex WB00-24N Water Heater Connector. For details regarding potential warranties, please contact BrassCraft customer support directly or refer to the product packaging.

CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or need to report an issue with your BrassCraft Copper-Flex WB00-24N Water Heater Connector, please contact BrassCraft customer support or consult a qualified plumbing professional.

Manufacturer: Plumb Shop Brasscraft

Brand Website: www.brasscraft.com

Professional Assistance: Always consider consulting a licensed plumber for complex installations or persistent issues.