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› [Kuriyama](#) /

› Kuriyama BR-E400 Brass Part E Male Adapter x Hose Shank User Manual

Kuriyama BR-E400

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Model: BR-E400

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Kuriyama BR-E400 Brass Part E Male Adapter. This adapter is designed for connecting a hose to a female cam and groove fitting, ensuring a secure and reliable connection in various industrial applications. Please read this manual thoroughly before installation and operation.



Image: The Kuriyama BR-E400 Brass Part E Male Adapter, featuring a male cam and groove end and a hose shank end. This robust brass fitting is designed for durable and secure hose connections.

PRODUCT FEATURES

- **Brass alloy construction:** Ensures durability and corrosion resistance.
- **Specially designed for high tensile strength and rigidity:** Provides robust performance under pressure.
- **Zinc Plated Carbon Steel safety clips:** For added security in connections (Note: These clips are typically used with the cam arms of the female fitting, not part of the adapter itself).
- **4-inch hose shank:** Compatible with 4-inch hoses.
- **Part E Male Adapter:** Designed for quick and secure connection to female cam and groove fittings.

SETUP AND INSTALLATION

1. **Safety First:** Ensure all systems are depressurized and secured before beginning installation. Wear appropriate personal protective equipment (PPE).
2. **Prepare Hose:** Ensure the end of the hose is clean, free of debris, and cut squarely.
3. **Insert Hose Shank:** Carefully insert the hose shank end of the BR-E400 adapter into the hose. Ensure it is fully seated.
4. **Secure Hose:** Use appropriate hose clamps (not included) to securely fasten the hose to the adapter's shank. Refer to hose and clamp manufacturer specifications for proper installation and torque.
5. **Connect to Female Fitting:** Align the male cam and groove end of the BR-E400 with the corresponding female cam and groove fitting. Insert the adapter and close the cam arms firmly until they are fully engaged.
6. **Verify Connection:** Ensure cam arms are fully closed and secured. If applicable, insert safety clips or pins through the holes in the cam arms for added security.

OPERATING INSTRUCTIONS

The Kuriyama BR-E400 adapter is a passive component designed to facilitate connections. Proper operation primarily involves ensuring secure connections and adherence to pressure ratings.

- **Pressure Rating:** Do not exceed the maximum rated pressure of 150 PSI for this adapter. Always operate within the lowest pressure rating of any component in your system.
- **Temperature Range:** Ensure the operating temperature is within the safe limits for brass and any connected hose or fluid.
- **Fluid Compatibility:** Verify that the fluid being transferred is compatible with brass materials to prevent corrosion or degradation.
- **Regular Inspection:** Before each use, visually inspect the adapter for any signs of wear, damage, or corrosion. Check that cam arms operate smoothly and securely.
- **Disconnection:** To disconnect, ensure the system is depressurized. Open the cam arms, and carefully pull the adapter away from the female fitting.

MAINTENANCE

Proper maintenance will extend the lifespan of your BR-E400 adapter.

- **Cleaning:** Clean the adapter regularly with a mild soap and water solution. Rinse thoroughly and dry completely. Avoid harsh chemicals or abrasive cleaners that could damage the brass.
- **Lubrication:** Periodically inspect and, if necessary, lightly lubricate the cam arm pivots with a suitable lubricant compatible with your application to ensure smooth operation.
- **Gasket Inspection:** Regularly inspect any gaskets or O-rings within the female fitting (not part of this adapter, but crucial for the connection) for signs of wear, cracking, or compression set. Replace as needed.

- **Storage:** Store the adapter in a clean, dry environment away from extreme temperatures and corrosive substances when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Leakage at connection	Improperly seated connection; Damaged gasket/O-ring in female fitting; Hose clamp not tight enough.	Ensure cam arms are fully closed and secured. Inspect and replace gasket/O-ring. Tighten hose clamp according to specifications.
Difficulty connecting/disconnecting	Debris in fitting; Corroded cam arms; Adapter or female fitting is damaged.	Clean fittings thoroughly. Lubricate cam arm pivots. Inspect for damage; replace if necessary.
Hose slipping off shank	Improper hose clamp; Incorrect hose size; Damaged hose shank.	Use appropriate hose clamps and ensure proper installation. Verify hose size matches adapter. Replace adapter if shank is damaged.

SPECIFICATIONS

Attribute	Value
Model Number	BR-E400
Brand	Kuriyama
Material	Brass
Connector Type	Adapter (Part E Male Adapter x Hose Shank)
Thread Size / Hose Size	4 inch
Maximum Pressure Rating	150 PSI
Color	Brass
Item Weight	4.3 Pounds
Package Dimensions	7 x 5.6 x 4.4 inches
Manufacturer	Kuriyama of America, Inc.
ASIN	B00H7XGU7A
UPC	822353034842

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your Kuriyama BR-E400 adapter, please contact Kuriyama of America, Inc. directly or refer to their official website. Keep your purchase receipt for warranty claims.

Manufacturer Contact: [Kuriyama of America, Inc.](#)

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