

Eagle H928

Eagle Brewing H928 Hi Temp O-Ring Instruction Manual

For Weldless Valve Kits

1. INTRODUCTION

The Eagle Brewing H928 Hi Temp O-Ring is a critical component designed for use in weldless valve kits. This O-ring ensures a secure, leak-proof seal, capable of withstanding high temperatures. It is specifically engineered for applications requiring a single O-ring for sealing. This manual provides essential information for the correct installation, operation, and maintenance of your H928 O-ring.

2. PRODUCT SPECIFICATIONS

The H928 Hi Temp O-Ring is manufactured to precise dimensions and material standards to ensure optimal performance in high-temperature environments.

- **Inner Diameter (ID):** 3/4 inches
- **Outer Diameter (OD):** 1 1/4 inches
- **Temperature Tolerance:** -65°F to 425°F (-53°C to 218°C)
- **Material Compliance:** FDA compliant
- **Model Number:** H928
- **Manufacturer:** JGB Enterprises



Figure 2.1: The Eagle Brewing H928 Hi Temp O-Ring. This image displays the circular, red silicone O-ring, which is designed to provide a high-temperature seal in various applications, particularly in weldless valve kits.

3. SETUP AND INSTALLATION

Proper installation of the O-ring is crucial for preventing leaks and ensuring the longevity of your weldless valve kit.

1. **Preparation:** Ensure that all components of the weldless valve kit, including the O-ring seating surfaces, are clean and free from debris, burrs, or sharp edges.
2. **Lubrication (Optional but Recommended):** For easier installation and to prevent O-ring damage, apply a thin, food-grade lubricant (e.g., silicone grease) to the O-ring. This also helps in achieving a better seal.
3. **Placement:** Carefully place the H928 O-ring into the designated groove or channel on your weldless valve component. Ensure it sits flat and is not twisted or pinched.
4. **Assembly:** Assemble the valve components according to the manufacturer's instructions for your specific weldless kit, ensuring the O-ring remains properly seated during tightening. Avoid over-tightening, which can deform the O-ring and compromise the seal.
5. **Initial Leak Check:** After assembly, perform a leak check with water or air pressure (if safe and applicable) to confirm a proper seal before full operational use.

4. OPERATING PRINCIPLES

The H928 O-ring functions by creating a static seal between two mating surfaces within a weldless valve assembly. When compressed, the O-ring material deforms to fill any microscopic irregularities in the mating surfaces, thereby blocking the passage of fluids or gases. Its high-temperature resistance ensures that this sealing capability is maintained even under elevated thermal conditions, making it suitable for brewing and other industrial applications where heat is a factor.

5. MAINTENANCE

Regular maintenance extends the life of your O-ring and ensures continued reliable performance.

- **Cleaning:** After each use, disassemble the valve and remove the O-ring. Clean the O-ring and its seating groove thoroughly with warm, soapy water. Rinse completely to remove all soap residue.
- **Inspection:** Before each reassembly, inspect the O-ring for any signs of wear, cracks, nicks, flattening, or permanent deformation. A healthy O-ring should be pliable and retain its original round cross-section.
- **Replacement:** Replace the O-ring immediately if any signs of damage or excessive wear are observed. Even minor damage can lead to leaks.
- **Storage:** Store spare O-rings in a cool, dry place away from direct sunlight, ozone, and extreme temperatures to prevent premature degradation.

6. TROUBLESHOOTING

Most issues related to O-rings involve leaks, which can often be resolved with simple checks.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Leakage from valve	<ul style="list-style-type: none">• O-ring is damaged (cut, nicked, flattened)• O-ring is improperly seated or twisted• Seating surfaces are dirty or damaged• Incorrect O-ring size• Insufficient compression	<ul style="list-style-type: none">• Inspect O-ring; replace if damaged.• Disassemble, re-seat O-ring correctly.• Clean surfaces; inspect for burrs/damage.• Verify correct H928 O-ring is used.• Ensure valve components are tightened sufficiently (without over-tightening).
O-ring appears brittle or cracked	<ul style="list-style-type: none">• Exposure to excessive heat or incompatible chemicals• Age/material degradation	<ul style="list-style-type: none">• Replace O-ring.• Ensure operating conditions are within specified temperature range.• Avoid contact with harsh chemicals not compatible with silicone.

7. WARRANTY AND SUPPORT

For information regarding product warranty or technical support, please refer to the original purchase documentation or contact Eagle Brewing customer service. Ensure you have your product model number (H928) and purchase details available when contacting support.

Contact Information: Please visit the official Eagle Brewing website or refer to your product packaging for the most current contact details.