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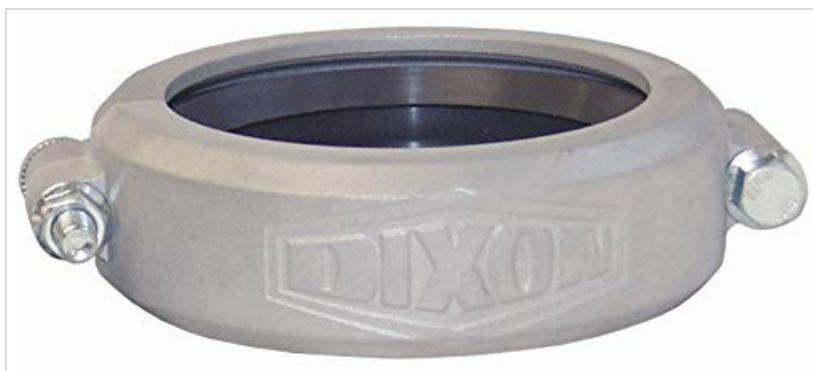
› Dixon DBV-BL200 Aluminum Grooved Bolted Clamp Instruction Manual

Dixon DBV-BL200

Dixon DBV-BL200 Aluminum Grooved Bolted Clamp Instruction Manual

INTRODUCTION

The Dixon DBV-BL200 is a 2-inch aluminum grooved bolted clamp designed for secure and adjustable pipe connections. This clamp provides an alternative to permanent joints such as welds, allowing for easier adjustment, replacement, or modification of pipe sections in various industrial applications. This manual provides essential information for the proper setup, operation, and maintenance of your DBV-BL200 clamp.



An image showing the Dixon DBV-BL200 aluminum grooved bolted clamp. The clamp is silver-colored, circular, and features the 'DIXON' brand name embossed on its side. It has two bolts on opposite sides for securing pipe connections, and a dark gasket is visible inside the clamp.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the Dixon DBV-BL200 clamp. Ensure all components are clean and free from damage before beginning installation.

Required Tools

- Appropriate wrench for bolt tightening
- Cleaning supplies (if necessary)

Installation Steps

1. **Prepare Pipe Ends:** Ensure the pipe ends to be joined are properly grooved and clean. Remove any debris, rust, or old gasket material that could compromise the seal.

2. **Position Gasket:** Carefully place the Bay Last Gasket over one of the pipe ends. Ensure the gasket is seated correctly and evenly around the pipe.
3. **Join Pipe Sections:** Bring the two pipe ends together, ensuring the gasket is properly compressed between them to form a tight seal.
4. **Place Clamp Halves:** Position the two halves of the Dixon DBV-BL200 clamp around the gasket and the joined pipe ends. Ensure the clamp halves align correctly.
5. **Insert and Tighten Bolts:** Insert the bolts through the designated holes in the clamp halves. Hand-tighten the nuts initially. Then, using an appropriate wrench, tighten the bolts evenly and gradually on both sides. Avoid over-tightening one side before the other, as this can lead to an uneven seal.
6. **Verify Seal:** After tightening, visually inspect the clamp and gasket for proper alignment and a secure seal. The clamp should be uniformly closed around the pipe.

Safety Note: Always wear appropriate personal protective equipment (PPE) during installation. Ensure the system is depressurized before working on pipe connections.

OPERATING GUIDELINES

Once properly installed, the Dixon DBV-BL200 clamp maintains a secure connection between grooved pipe sections. This clamp is designed for applications requiring a pressure rating of up to 400 PSI.

- Ensure the system pressure does not exceed the rated 400 PSI.
- Regularly inspect the clamp for any signs of movement or leakage during operation.
- Do not attempt to adjust or remove the clamp while the system is under pressure.

MAINTENANCE

Routine maintenance helps ensure the longevity and reliable performance of your Dixon DBV-BL200 clamp.

- **Visual Inspection:** Periodically inspect the clamp and gasket for any signs of wear, corrosion, cracks, or other damage. Check for any visible leaks around the connection.
- **Bolt Tightness:** Over time, vibrations or thermal cycling can cause bolts to loosen. Periodically check the tightness of the bolts and re-tighten them evenly if necessary.
- **Gasket Replacement:** The Bay Last Gasket is a wear item. If you observe any signs of degradation, hardening, cracking, or consistent leakage, replace the gasket with an appropriate Dixon replacement part.
- **Cleaning:** Keep the exterior of the clamp clean to prevent accumulation of corrosive materials.

TROUBLESHOOTING

If you encounter issues with your Dixon DBV-BL200 clamp, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Leakage at connection	• Improper gasket seating • Loose bolts • Damaged or worn gasket • Damaged pipe grooves	• Re-seat gasket and re-tighten clamp • Tighten bolts evenly • Replace gasket • Inspect pipe ends for damage; repair or replace if necessary
Clamp not closing properly	• Misaligned pipe ends • Obstruction • Damaged clamp halves	• Re-align pipe ends • Remove any obstructions • Inspect clamp for damage; replace if necessary

SPECIFICATIONS

Key technical specifications for the Dixon DBV-BL200 Aluminum Grooved Bolted Clamp:

- **Model Number:** DBV-BL200
- **Material:** Forged Aluminum
- **Size:** 2 inches
- **Pressure Rating:** 400 PSI
- **Seal Type:** Bay Last Gasket
- **Package Dimensions:** Approximately 10 x 10 x 10 inches
- **Item Weight:** Approximately 5.8 Pounds

WARRANTY AND SUPPORT

For specific warranty information regarding your Dixon DBV-BL200 Aluminum Grooved Bolted Clamp, please refer to the documentation provided at the time of purchase or contact Dixon directly. For technical assistance or further inquiries, please reach out to Dixon customer support or your authorized distributor.

Manufacturer: Dixon

Date First Available: July 14, 2014

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