

## Dixon G200-B-AL

# Dixon Valve G200-B-AL Global Cam & Groove Type B Coupler Instruction Manual

Model: G200-B-AL

## PRODUCT OVERVIEW

This manual provides essential instructions for the safe and effective use of the Dixon Valve G200-B-AL Global Cam & Groove Type B Coupler. This coupler is designed for specific liquid transfer applications, ensuring reliable connections when used correctly.

The Dixon G200-B-AL is a Type B coupler, featuring a male NPT (National Pipe Taper) thread on one end and a cam and groove connection on the other. It is constructed to meet Dixon specifications and includes Buna seals for effective sealing.

## SAFETY INFORMATION

### ⚠ IMPORTANT SAFETY WARNINGS ⚠

- **DO NOT** use cam and groove couplings for compressed air or steam service under any circumstances. Such use can lead to serious injury or equipment damage.
- Pressure rating recommendations are based on the use of mating Dixon fittings at an ambient temperature of 70°F (21°C) with a standard seal installed. Deviations from these conditions may affect performance and safety.
- Always ensure proper personal protective equipment (PPE) is worn when handling fluids and operating coupling systems.
- Regularly inspect couplings for wear, damage, or corrosion before each use. Do not use damaged couplings.

## SETUP AND INSTALLATION

The Dixon G200-B-AL coupler is designed for straightforward connection to compatible adapters. Ensure both the coupler and adapter are clean and free of debris before attempting connection.

1. **Preparation:** Verify that the Buna seals within the coupler are properly seated and undamaged.

2. **Connection:** Align the adapter with the coupler. Slide the adapter fully into the coupler opening.
3. **Securement:** With normal hand pressure, press both cam levers down firmly until they are fully closed and locked. Ensure the adapter is securely seated and the levers are completely engaged.



Image: The Dixon Valve G200-B-AL Global Cam & Groove Type B Coupler, showing its aluminum body, male NPT threaded end, and two brass cam levers with retaining rings. This image illustrates the overall design of the coupler, ready for connection.

## OPERATING INSTRUCTIONS

Once the coupler is securely connected to an adapter, the system is ready for operation with liquids. Always monitor the connection for any signs of leakage during initial operation.

1. **Fluid Transfer:** Initiate the flow of liquid through the connected system.
2. **Monitoring:** Observe the connection point for any leaks or signs of disengagement. If any issues are detected, immediately stop the fluid flow and address the problem.
3. **Disconnection:** To uncouple, first ensure the system is depressurized and fluid flow has ceased. Lift both cam arms simultaneously to release the adapter. Carefully remove the adapter from the coupler.

## MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your Dixon G200-B-AL coupler.

- **Cleaning:** After each use, clean the coupler and seals to remove any residual liquids or debris.
- **Seal Inspection:** Regularly inspect the Buna seals for cracks, hardening, or other signs of wear. Replace seals as necessary to maintain a leak-proof connection.
- **Storage:** Store the coupler in a clean, dry environment, protected from extreme temperatures and direct sunlight.
- **Lubrication:** Lightly lubricate cam levers and pins periodically with a compatible lubricant to ensure smooth operation.

## TROUBLESHOOTING

This section addresses common issues that may arise during the use of the Dixon G200-B-AL coupler.

- **Leakage at Connection:**
  - Ensure cam levers are fully closed and engaged.
  - Inspect Buna seals for damage or improper seating; replace if necessary.
  - Verify that the mating adapter is compatible and undamaged.
  - Confirm pressure and temperature are within recommended limits (70°F ambient).
- **Difficulty Connecting/Disconnecting:**
  - Check for debris or foreign objects obstructing the connection.
  - Ensure cam levers and pins are not corroded or stiff; lubricate if needed.
  - Verify that the adapter is correctly aligned before attempting connection.

If issues persist, contact Dixon Valve customer support for further assistance.

## SPECIFICATIONS

Attribute	Value
Model Number	G200-B-AL
Brand	Dixon
Connector Type	Cam & Groove Coupler x Male NPT
Material	Aluminum (Coupler Body), Brass (Cam Levers)
Seal Material	Buna
Thread Type	NPT (Male)
Interchangeability	Designed to interchange with all products produced to A-A-59326D
UPC	089109830282
Manufacturer	Dixon Valve

## WARRANTY INFORMATION

For detailed warranty information regarding the Dixon Valve G200-B-AL Global Cam & Groove Type B Coupler, please refer to the official Dixon Valve website or contact their customer service directly. Warranty terms and conditions may vary.

## CUSTOMER SUPPORT

Should you require further assistance, have questions about installation, operation, or maintenance, please contact Dixon Valve customer support:

- **Website:** Visit the official Dixon Valve website for product resources and contact details.
- **Contact:** Refer to the packaging or Dixon Valve's official website for phone numbers or email addresses for technical support.

