

# Safety Instructions for Hydraulic Pump Flange Elbow Ported

## General Safety Guidelines

- Only trained and authorized personnel should install, operate, or maintain the hydraulic pump flange elbow ported component.
- Always read and understand the manufacturer's manual before handling or using the component.
- Wear appropriate personal protective equipment (PPE), including safety goggles, gloves, and steel-toed boots.
- Ensure the work area is clean, well-lit, and free of hazards.

## Installation Safety

- Before installation, ensure that the hydraulic system is fully depressurized.
- Inspect the flange and elbow for any damage, cracks, or debris. Do not use damaged parts.
- Ensure the mating surfaces of the pump and flange are clean and free from contaminants to prevent leaks.
- Use the correct size bolts and torque them to the manufacturer's specifications to ensure proper sealing and alignment.
- Verify compatibility between the hydraulic fluid, the flange material, and the ported elbow.

# Operating Safety

- Do not exceed the maximum operating pressure and temperature specified for the flange elbow ported component.
- Regularly check for hydraulic fluid leaks during operation and address them immediately.
- Keep hands, clothing, and tools away from pressurized fittings and moving components.
- Ensure proper alignment and secure fastening of all hydraulic connections to prevent vibration or loosening during operation.
- Avoid sudden changes in system pressure that may stress the component or connected parts.

# Maintenance and Inspection

- Regularly inspect the flange and elbow for signs of wear, cracks, or corrosion. Replace damaged components immediately.
- Always depressurize the hydraulic system and disconnect power before performing maintenance.
- Tighten bolts and fittings as needed, ensuring they meet manufacturer torque specifications.
- Replace seals, O-rings, and gaskets if they show signs of wear or leakage.
- Use only original replacement parts or manufacturer-approved components for maintenance.

# Handling Emergencies

- In the event of a hydraulic fluid leak, stop the system immediately and clean the affected area.
- If hydraulic fluid comes into contact with skin, wash thoroughly with soap and water. If fluid enters the eyes, flush with clean water for several minutes and seek medical attention.
- If abnormal noises, vibrations, or overheating occur, stop the system and inspect the component for damage.

# Storage and Transportation

- Store the flange and elbow in a clean, dry area, protected from dirt, moisture, and extreme temperatures.
- Protect openings with caps or plugs during storage to prevent contamination.
- Handle the component carefully to avoid drops, impacts, or other damage during transportation.

# Warnings

- Do not modify the flange or elbow or use it for applications beyond its intended purpose.
- Never use hands or bare skin to check for hydraulic leaks; instead, use a piece of cardboard or paper.
- Avoid using the component with fluids, pressures, or temperatures that exceed its design specifications.
- Ensure the entire hydraulic system, including the flange and elbow, is compatible and properly rated for the application.

## Environmental Considerations

- Dispose of any hydraulic fluid, used seals, and worn components in compliance with local environmental regulations.
- Prevent hydraulic fluid spills and leaks from contaminating the environment.

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