

Handling and Safety



Note: Failure to follow these safety precautions may result in injury, equipment damage, or system failure. Always consult the manufacturer's documentation for additional details or specific requirements.

Handling Instructions

1. Personnel Safety

- Only trained personnel should operate and maintain the pump.
- Wear appropriate Personal Protective Equipment (PPE), including gloves, safety goggles, and protective footwear.

2. Manual Operation Hazards

- Use proper hand positioning to avoid pinching or injury during pump operation.
- Do not exceed the recommended force while operating the pump.

3. Hydraulic Fluid Safety

- Avoid direct contact with hydraulic fluid; wear gloves when handling.
- Clean up spills immediately to prevent slipping hazards.

4. Fire and Environmental Hazards

- Hydraulic fluid is flammable—keep away from open flames and sparks.
- Dispose of used hydraulic fluids and absorbent materials according to environmental regulations.



Installation Safety

1. Mounting

- Securely attach the pump to the hydraulic tank using the recommended fasteners and torque settings.
- Ensure the mounting surface is stable and free from vibrations.

2. Connections

- Use compatible hoses and fittings to prevent leaks and system failures.
- Check for proper sealing of all connections before operating the pump.

Operational Safety

1. Routine Inspections

- Check for wear, damage, or corrosion on pump components.
- Ensure all moving parts are free of obstructions and operate smoothly.

2. Lubrication

- Apply recommended lubrication to moving parts as per manufacturer guidelines.
- Avoid excessive lubrication, which may cause contamination of the hydraulic fluid.

3. Cleaning and Repairs

- Use only manufacturer-approved cleaning agents.
- Perform repairs using original spare parts to maintain system integrity and safety.

Emergency Procedures

1. Hydraulic Fluid Leaks

- Shut down the system and contain leaks using absorbent materials.
- Dispose of contaminated materials according to local environmental guidelines.

2. Pump Failure or Malfunction

- Stop using the pump immediately if unusual noises, excessive resistance, or erratic behavior occurs.
- Inspect and repair any damaged components before resuming operation.

3. Fire Hazards

- Keep a fire extinguisher rated for oil-based fires nearby.
- If fire occurs, evacuate the area and follow emergency fire procedures.

Disposal

Dispose of worn-out pump components and used hydraulic fluids in accordance with environmental and regulatory requirements.

Important Notes

- Always follow the manufacturer's specific guidelines for installation, operation, and maintenance.
- Ensure that the pump is used only for its intended application and within its rated capacity.