



Standard information

Vane pumps are widely used in various industrial and mechanical applications due to their reliability and efficiency. However, to ensure safe operation and avoid accidents, it is essential to follow specific safety instructions. Below are safety guidelines for handling, installing, and maintaining vane pumps:

General Safety Precautions

- **Read the Manual:** Always refer to the manufacturer's manual for specific instructions and safety precautions.
- **Use Appropriate PPE:** Wear safety goggles, gloves, and protective footwear during installation, operation, and maintenance.
- **Ensure Proper Training:** Only qualified and trained personnel should operate or service the pump.
- **Disconnect Power Source:** Before servicing the pump, disconnect it from the power supply to prevent accidental start-up.

Installation Safety

- **Inspect Components:** Check for any visible damage to the pump or its components before installation.
- **Secure Mounting:** Ensure the pump is mounted securely on a stable and level surface to prevent vibrations or displacement.
- **Correct Alignment:** Align the pump shaft with the drive shaft to avoid misalignment, which can lead to wear and tear or failure.
- **Use Compatible Fluids:** Ensure the fluid being pumped is compatible with the materials of construction and operating conditions of the vane pump.
- **Adequate Ventilation:** Install the pump in a well-ventilated area to prevent overheating.



Operational Safety

- **Monitor Pressure and Temperature:** Operate the pump within the specified pressure and temperature limits to avoid damage or accidents.
- **Avoid Running Dry:** Never operate the pump without fluid, as this can cause overheating and damage to internal components.
- **Check for Leaks:** Regularly inspect for leaks, as they may indicate issues with seals or connections.
- **Start Gradually:** Start the pump at low speeds to allow gradual pressure build-up.

Maintenance Safety

- **Depressurize the System:** Relieve system pressure before servicing or disassembling the pump.
- **Inspect Seals and Bearings:** Regularly inspect seals, bearings, and other wear-prone parts and replace them as needed.
- **Clean Properly:** Clean components with appropriate cleaning agents; avoid abrasive materials that can cause damage.
- **Dispose of Fluids Safely:** Handle and dispose of used fluids and lubricants in accordance with environmental regulations.

Emergency Procedures

- **Know the Shutoff Procedure:** Be familiar with the location of emergency shutoff valves or switches.
- **Handle Spills Immediately:** Contain and clean up fluid spills promptly to avoid slipping hazards or environmental contamination.
- **Report Malfunctions:** Immediately report any unusual noises, vibrations, or performance issues to prevent further damage or accidents.