



Safety Instructions for Coils

General Safety

- Only trained and qualified personnel should install, operate, or maintain coils.
- Carefully read and understand the manufacturer's manual before handling or operating the coils.
- Wear appropriate personal protective equipment (PPE), including safety goggles, gloves, and insulated footwear.
- Ensure the work area is clean, dry, and free of potential hazards to avoid accidents.

Installation Safety

- Verify that the coil is compatible with the solenoid valve and hydraulic system before installation.
- Ensure the power source is turned off and the hydraulic system is depressurized before connecting or disconnecting the coil.
- Properly align and secure the coil to the solenoid valve to prevent vibrations or movement during operation.
- Check the voltage and frequency ratings of the coil to ensure they match the power supply specifications.
- Protect the coil from exposure to moisture, dirt, or other contaminants during installation.



Operating Safety

- Ensure all electrical connections are secure and insulated to prevent short circuits or electrical shocks.
- Do not exceed the rated voltage or current specified for the coil.
- Avoid continuous operation of the coil in high-temperature environments beyond its specified limits, as this may cause overheating.
- Monitor the coil for abnormal noises, excessive heat, or unusual behavior during operation.
- Keep the coil away from flammable materials, as it may become hot during operation.

Maintenance and Inspection

- Regularly inspect the coil and its connections for signs of wear, corrosion, or damage. Replace damaged components immediately.
- Always disconnect the power supply before performing maintenance on the coil.
- Clean the coil using a dry cloth. Avoid using water, solvents, or abrasive materials.
- Ensure proper ventilation around the coil to prevent overheating.
- Test the coil periodically for proper functionality using manufacturer-recommended methods.

Emergency Procedures

- If the coil overheats, emits smoke, or behaves abnormally, immediately disconnect the power supply and inspect for faults.
- In the event of an electrical short circuit, isolate the system from the power source and contact a qualified technician.
- If a hydraulic fluid leak occurs near the coil, turn off the system and clean the area to prevent contamination.

Handling and Storage

- Handle the coil carefully to avoid impacts or damage to the windings and connectors.
- Store the coil in a clean, dry environment away from moisture, corrosive substances, and direct sunlight.
- Protect the coil with appropriate packaging during transportation to prevent damage.

Warnings



- Do not modify the coil or use it in applications beyond its intended purpose, as this may void the warranty and compromise safety.
- Never operate the coil if it shows signs of physical damage or exposed wiring.
- Avoid using the coil in environments with high humidity, water, or corrosive chemicals unless it is specifically designed for such conditions.
- Ensure the hydraulic system and solenoid valve are properly grounded to avoid electrical hazards.

Environmental Considerations

- Dispose of damaged or non-functional coils in accordance with local electronic waste disposal regulations.
- Prevent the coil from being exposed to fluids or contaminants that could degrade its performance or lifespan.

For anything outside of the scope of this document please contact Flowfit or a qualified hydraulic engineer. This is provided in good faith and without liability and does not form part of any contract.