



Standard Information

Hydraulic magnetic plugs are critical components for trapping ferrous debris in hydraulic systems, ensuring smooth operation and preventing damage. Below is a list of safety guidelines for their use.

Installation Safety

1. System Depressurization: Always depressurize the hydraulic system before installing or servicing magnetic plugs.
2. Correct Fit: Ensure the plug size and threading match the system specifications to prevent leaks or damage.
3. Torque Specifications: Use a torque wrench to tighten the plug to the manufacturer's recommended specifications. Over-tightening can damage the plug or the hydraulic housing.

Operation Safety

1. Regular Monitoring: Inspect the plug regularly for debris accumulation, which indicates system wear or contamination.
2. Handle with Care: Magnetic plugs can attract ferrous debris; avoid contact with sensitive electronic devices and ensure they are kept clean.
3. Leak Prevention: Check the plug seal and housing to prevent hydraulic fluid leaks. Replace damaged seals promptly.
4. Temperature Considerations: Verify that the magnetic plug is rated for the operating temperature of your hydraulic system.

Maintenance Safety

1. System Shutdown: Always shut off the hydraulic system and release any residual pressure before removing the plug.
2. Debris Removal: Use appropriate tools (e.g., a cloth or scraper) to remove metallic debris from the magnet. Avoid direct contact with debris as it may be sharp.
3. Inspect for Wear: Check the magnetic surface for damage, weakening, or corrosion, and replace the plug if necessary.
4. Fluid Contamination: If significant debris is found, inspect the system for signs of excessive wear or contamination.

Handling & Storage

- Magnet Safety: Keep magnetic plugs away from electronic devices and credit cards to avoid magnetic interference or data loss.
- Protective Covering: Use protective caps or covers to safeguard the magnetic surfaces when not in use.



Emergency Procedures

- Leakage: If a hydraulic leak occurs around the plug depressurize the system immediately, Tighten or replace the plug as needed and Clean up any hydraulic fluid spills to prevent slips or fire hazards.
- Metallic Debris Overload: If excessive debris is detected stop system operation, inspect internal components for damage and flush and clean the hydraulic system to remove contaminants.

Important Notes

- Dispose of used or damaged magnetic plugs and hydraulic fluids in compliance with local environmental regulations.
- Consult the manufacturer for any uncertainties or application-specific guidelines.

For additional information, contact Mintor or refer to the detailed technical manual.