



VALVE SPOOL RESPONSE SLUGGISH

- **Check for dirt in the system.**
Drain and flush system. Disassemble and clean if necessary.
- **Check for restricted drain (external drain models only).**
Check fittings or drain lines.
- **Check for low pilot pressure (pilot operated valves only).**
Check the pilot pressure system.
- **Check for malfunctions of the solenoids.**
Check for proper source and voltage.
- **Check for distortion of the valve body.**
Check flatness of the mounting surface. Align the valve body and piping to remove strain. Loosen mounting bolts.
- **Check flow rate through valve.**
Must be within valve flow limits.

VALVE SPOOL FAILS TO MOVE

- **Check for dirt in the system.**
Disassemble, clean and flush.
- **Check for blocked drain (external drain models only).**
Inspect for plugs or foreign matter.

- **Check if pilot pressure is off (pilot operated valves only).**
Check the source of pilot pressure.
- **Check if the solenoids are inoperative.**
Check the electrical source and solenoid coils.
- **Check for distortion of the valve body.**
Check flatness of the mounting surface. Align the valve body and piping to remove strain. Loosen mounting bolts.
- **Check for improper reassembly after repair.**
Use master parts page and repair pages for proper assembly, parts and procedures.

VALVE PRODUCES AN UNDESIRE RESPONSE

- **Check for improper installation connections.**
Check the installation drawings.
- **Check for improper assembly of valves.**
Check the master parts pages and installation drawings.
- **Check flow rate through valve.**
Must be within valve flow limits.