NOTE:
FEATURES MAY VARY WITH MODEL NO. CONSULT CATALOG

PLEASE NOTE:
BEFORE REMOVING VALVE SPOOL OR SPOOL SLEEVE REMOVE DETENT ADJUSTING CART, DETENT PISTON & BALL, REGEN PLUG, REGEN SPRING & BALL INSTALL SPOOL AND SPOOL SLEEVE BEFORE REINSTALLING STEEL BALLS.

PRESSURE RELEASE DETENT
This feature provides a pressure release detent for the spool in position. When the spool is manually placed in the detent position no oil is directed to the 'A' work port (the port closest to the handle). When the pressure in the 'A' port reaches the preset level the detent will release and the spool will center. The factory setting is 1400 psi. The detent release pressure is adjustable. By loosening the jam nut and turning the adjusting screw. Turning the adjusting screw clockwise will increase the detent release pressure and counterclockwise will decrease the detent release pressure. NOTE: if the detent release pressure is set too high the spool will not center, if the pressure is too low the detent will not hold. If cap screw Item 6 becomes loose detent will not function properly.

REGEN CIRCUIT
This feature provides a rapid extend of a cylinder. When the spool is manually held in the full spool "out" (beyond the initial soft stop) position inlet oil is directed to the 'B' work port while return oil from the 'A' work port is redirected to the 'B' work port. The cylinder will extend rapidly but with reduced force.

RELIEF VALVE
An adjustable ball spring relief valve is standard on all LSR-3000 valves. The standard factory setting is 2250 psi @ 3 gpm and 120°F. Other settings can be specified. The relief pressure is adjusted by removing acorn nut, and turning the adjusting screw. Turning the adjusting screw clockwise will increase the pressure and counterclockwise will decrease the pressure (a pressure gauge must be installed in the inlet line whenever the relief pressure is adjusted). Do not back adjusting screw out to the point it falls out.

WARNING: OVERPRESSURE MAY CAUSE SUDEN AND UNEXPECTED FAILURE OF A COMPONENT IN THE HYDRAULIC SYSTEM RESULTING IN SERIOUS PERSONAL INJURY. ALWAYS USE A GAUGE WHEN ADJUSTING A RELIEF VALVE.
NOTE: THREAD SEALANT—USE OF A QUALITY NON-TEFLON THREAD SEALANT IS RECOMMENDED FOR TAPERED PIPE THREADS. (USE OF TEFON TAPE IS NOT RECOMMENDED.)

PRESSURE RELEASE DETENT. THIS SETS THE PRESSURE AT WHICH THE DETENT KICKS OUT ALLOWING VALVE TO RETURN TO NEUTRAL.

LSR−3000 SPECIFICATIONS
MAXIMUM OPERATING PRESSURE........... 3500 PSI
MAXIMUM TANK PRESSURE............... 500 PSI
MAXIMUM OPERATING TEMP................ 180°F
RECOMMENDED SYSTEM FILTRATION...... 10 MICRON
FLOW RATING............................. 5 GPM INLET FLOW
WEIGHT..................................... 10 LBS