

SPOOL VALVE LUBRICATION PROCEDURE

for

L SERIES LIQUID PUMPS, DLE SERIES GAS BOOSTERS, DLA & GPLV2 AIR AMPLIFIER

1. Loosen four cap screws that hold the spool housing to the end cap to release any trapped air in the spool valve.
2. Remove snap ring from the spool valve housing.
3. With a long screw driver or wooden dowel, from the ½" FNPT side of the housing, push out the spool plug, and spool from the housing.
4. Clean the spool, and the bore of the spool sleeve, check the o rings for wear and the spool sleeve for scratches and replace if necessary.
5. Put a light coat of grease on the o rings, and in the bore of the spool sleeve.
6. Insert the spool into the spool sleeve small side first, gently moving the spool from side to side with very little pressure on the end of the spool. **DO NOT FORCE.** The O-Rings fit loosely on the spool and can be cut if they are forced in.
7. Install the spool plug and snap ring. Then tighten the four cap screws that hold the housing to the end cap.

The recommended grease is a high temperature grease, Kluber Lube, Polyub GA 352 P. This grease has good long term adhesion with good water resistance.