ORSCO INC.
Engineered Lubrication Systems

Installation Guidelines

SERIES 150A2T Lubrication Systems

1. Mount panel at desired location. Mounting hole dimensions are shown on the ORSCO panel layout print.
2. Supply power to panel. Refer to electrical diagram (drawing 2e). Supply power to panel. Power can be supplied by using a power cord or circuit breaker. Take the wires and attach to terminal labeled L1 & L2 (L1 – 0100FU1) (L2 – Term 01002), ground to ground bar mounted on sub-plate.
3. Connect the external start/stop device to the terminal strip, s/s #1 (L1 – 01001) & (N – 01051); s/s #2 (L1 – 01001) & (N – 01101). Connect any and all grounds to ground bar mounted on sub-plate.
   Note: All customer connections should be made on the right side (bottom) of the terminal strip.
4. Open or drop the enable signal to stop the air and lubricant delivery.
5. Attach proper size tubing as per the ORSCO pneumatic diagram to the fittings on the transition manifold located on the right side of the panel. Tubing types are nylon, copper, or steel. Place identification numbers on both ends of the tubing with electrical wire tags or with an indelible marker. This will help for troubleshooting in the future.
6. Run the air and oil tubing to the location where the nozzles will be mounted. Secure the tubing to eliminate rubbing or damage due to vibration. Leave extra tubing to allow connection to the nozzles. Do not connect the tubing to the nozzles at this time.
7. Fill reservoir with proper clean lubricant according to reservoir installation guidelines. Open the ball valve under the reservoir to allow the lubricant to fill the system (handle on ball valve should be in-line with the piping). Inside the panel open the pet cocks on the top of the injector stacks (counter-clockwise is open, clockwise is closed). This releases any air that is trapped in the injectors and lines. Wait for solid oil to exit the drain cocks, then close them. The reservoir is ported for a central fill if needed. Be sure you have a filter / regulator / safety relief valve assembly on the oil inlet if you have attached a pressurized system. The reservoir is rated at 3 PSIG. Connect air supply to system. Size the air source based on a 5 SCFM per nozzle calculation. 3/8 ID minimum. Be sure not to use any quick disconnects (they can be removed).
8. To prime the system, set the injector cycle timer to 001 seconds, to pump the oil to the nozzles. See reverse side of this sheet for timer adjustment. Turn the air regulator down to 0 PSIG so the air is not running during the oil line purge. Enable the system and make sure the pumps are cycling. If the injectors are not cycling, check the fuse in the panel. If the injectors are not pumping oil, you may need to re-bleed the air out of the system.
9. Allow the system to continue pumping until the oil reaches the end of the tubing. Pump for a while longer to purge any contaminates out of the tubing.
10. Attach the tubing to the nozzles. Tighten fittings to the proper torque. Note: Do not over tighten nylon tube fittings.
11. Enable the system, turn the regulator to the designed air pressure. Caution: The air will be running out of the nozzle tip. Run the system until oil is dispensed out of the nozzle tip.
12. Set injector cycle time to adjust the lubricant volume to the desired rate for your application.