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“NFS” NO-FLOW SWITCH INSTALLATION AND OPERATING INSTRUCTIONS

1. Switch MUST be mounted either vertically (terminal end up) or at a minimum angle of 20° off horizontal with terminal end at the high point. This prevents water from accumulating around switch contact.
2. A 25 micron sintered bronze or similar in-line type filter should be installed ahead of the No-Flow Switch. These are available from most lubricator manufacturers.
3. To assure constant oil viscosity, mount switch in a warm place near cylinder lube-line check valve or point of lubrication. The "NFS-4", "NFS-5" and "NFS-9" No-Flow Switches for Ajax are provided with brackets for mounting to one of the screws which hold the cast cover to the cylinder near the cylinder check. Connect No-Flow Switch contact wire to magneto or alarm/shutdown switch.
4. Connect line from lubricator to inlet port on No-Flow Switch.
5. Hand pump lubricator until oil flows from switch outlet port; then connect line from switch outlet to point of lubrication.
6. Switch is factory adjusted for a shutdown time of approximately 2-8 minutes using SAE 30 wt. oil at 100° F. The switch is viscosity sensitive; therefore, shutdown time will vary with oil viscosity. Switch shutdown time can be field adjusted.
7. If switch shutdown time adjustments are necessary, ensure that adjustments are made while the engine/compressor/No-Flow Switch are at their normal operating conditions. The switch spring adjustment setscrew is located on bottom of switch housing. Turn setscrew IN to decrease shutdown time and OUT to increase shutdown time. Shutdown time can be determined by removing/disabling lubricator pumping unit. On multiple pump installations pumping at the same rate, the setting can usually be transferred from one switch to another by making the distance from the end of the adjustment setscrew to the end of the adjustment setscrew housing equal on all switches.

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