

G. P. Reeves Inc.

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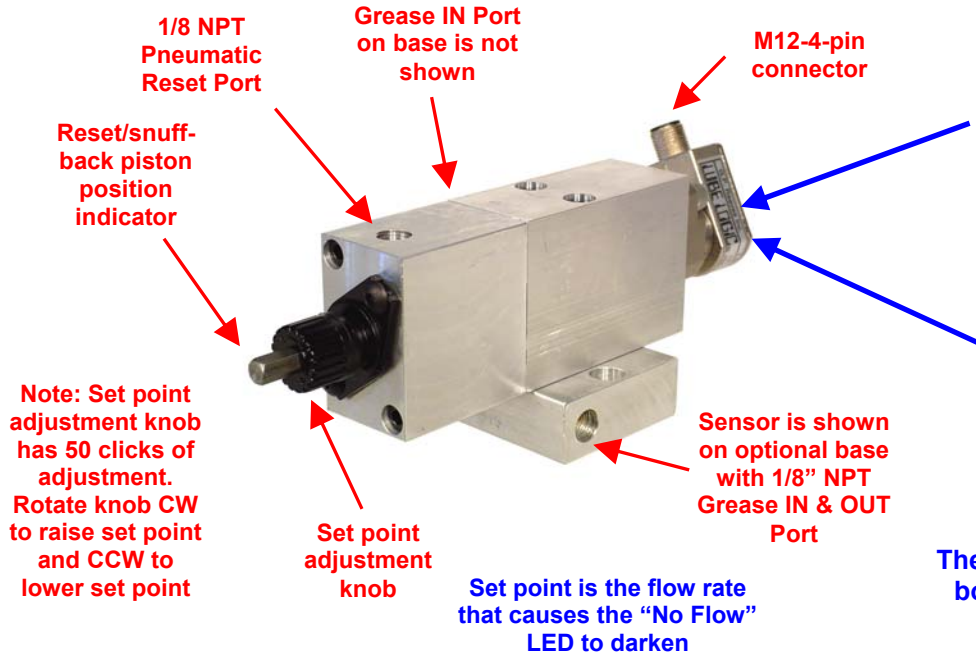
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LUBE LOGIC®

FS3006 Grease Flow Sensor

- Detects grease flow failure
- Finds air in grease
- Operates at high production speed
- Outputs to PLC or alarm system



LED's showing Power and No Flow



LED's showing Power and Flow

The M12-4-pin electrical connector body includes 300° of rotational freedom to facilitate wiring

DESCRIPTION

The FS3006 grease flow sensor is a compact unit that installs in the grease delivery tubing between an air-operated positive displacement piston dispenser and a dispense nozzle tip. It is designed for use with KA1453N or similar extremely small volume grease dispensers and includes a port for pneumatically resetting the flow sensor after grease has been dispensed. Momentary resetting also causes snuff-back of grease at the sensor OUT port. The 10-30 VDC output is ON when grease is not flowing or flowing at a rate below the set point and OFF when grease is flowing at a rate higher than the set point. The set point can be adjusted to cause sensor output at desired minimum flow rate and will quickly find air in grease by recognizing the lower flow rate caused by the "cushioning effect" of the compressible air.

The FS3006 grease flow sensor requires 10-30 VDC for operation and a minimum of 60 p.s.i. compressed air for reset. Sensing is via spring biased steel ball, machined cavity, and inductive proximity sensor - (no magnet). Switch output is PNP and 200 mA. Sensor will function with NLGI #00 through NLGI#2 grease at up to 3000 p.s.i. and is fast enough to confirm the 0.016 cc minimum grease flows of a KA1453N dispenser operating at 30 cycles per minute when located adjacent to the dispenser. Its maximum recommended flow rate is 20 cc per second. The electrical connection is M12-4-pin and our #1850 cord (3 meter long with straight Micro connector) is recommended. CAUTION: Filter grease to 300 micron minimum and DO NOT REVERSE FLOW. Maximum operating temperature is 140°F.

OPTIONS

- #1850 3 meter long cord with M12-4 pin connector
- FSM2001 single station base with 1/8 NPT ports on sides
- FSM2000-2 two station base with 1/8 NPT ports on ends
- FSM2000-3 three station base with 1/8 NPT ports on ends
- FSM2000-4 four station base with 1/8 NPT ports on ends
- FSM2000-5 five station base with 1/8 NPT ports on ends
- FSM2000-6 six station base with 1/8 NPT ports on ends

Consult factory for other bases

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