

APGP1027 Air Purge Grease Pump

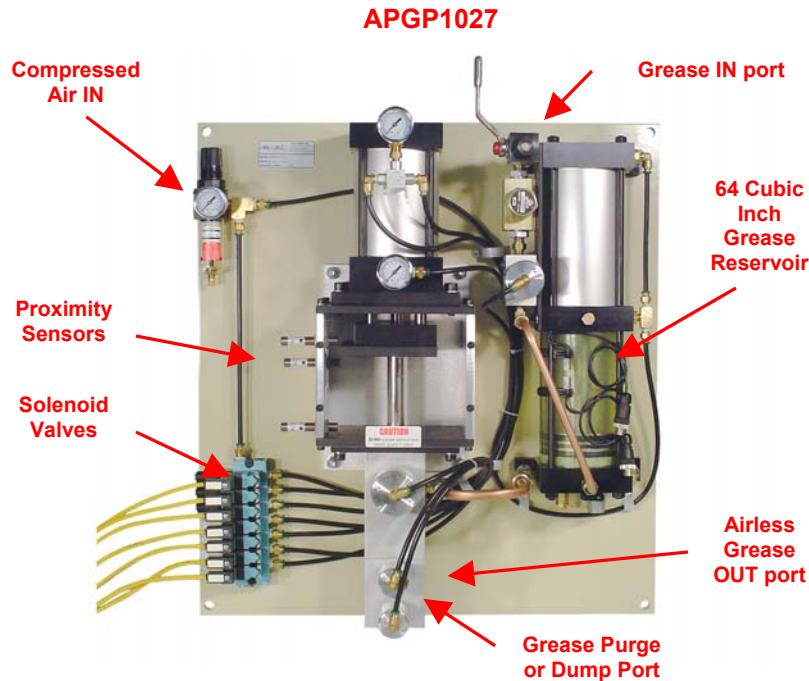
RELIABLE

PLC CONTROLLED

REMOVES AIR

Air-operated (PLC controlled) Air Purge Grease Pump

- Finds and removes voids and air from grease
- Operates normally during supply pump drum changes
- Includes solenoid operated air valves and proximity sensors
- Operated by user's PLC using included sample logic program
- Will pump heavy NLGI #2 lubricating grease
- Alerts user of grease supply problems while operating
- Includes visual indication of adjustments and operation
- Pumps only airless grease to downstream components



DESCRIPTION:

The APGP1027 Air Purge Grease Pump (APGP) has a maximum stroke displacement of 2.15 cubic inch (35.2 cc) and includes a grease inlet ball valve, grease filter, 64 cubic inch (1.04 liter) grease reservoir, copy of sample AB ladder logic, compressed air regulators, seven solenoid valves, 20 to 1 boost ratio piston pump, grease pump valve, grease purge valve, and three proximity sensors. The grease reservoir has FILL and FILLED sensors and an automatic fill valve. The APGP1027 is designed to supply airless grease to other dispensers and will function with NLGI #0 through #2 grease that is compatible with its Neoprene seals. This APGP is manufactured under US patent number 6,053,285 and requires 80 p.s.i. compressed air and 120 v.a.c. inputs and outputs from the user's PLC for operation. It weighs 125 lb. (57 kg) and is 26" high x 24" wide x 11" deep. Air and grease ports are 1/4 NPT.

FUNCTION

This APGP is designed to supply airless grease to a header and/or many types of grease dispensers, but it is not for use with dispensers (ejectors) that require venting. Its built-in 64 cubic inch reservoir allows it to continue operation during normal supply interruptions for central pump pail or drum changes. This APGP automatically tests (with user's PLC control) 2.15 cubic inch segments of grease and discards those that contain too much air. User can adjust the Compression Sensor location to increase or decrease the amount of allowable air. Most grease, (even without visible bubbles or color change), is compressible by about 5%.

OPERATION

This APGP is designed to operate at temperatures between 50 and 120° F. When operating at 80 p.s.i. compressed air with #2 grease, this APGP can deliver airless grease at 1,600 p.s.i. at 12 cubic inches (196 cc) per minute. The airless grease output will be semi-continuous with an approx. three second long period of non-delivery immediately following each 2.15 cubic inch output to allow filling and testing of the next segment of grease. Its lower sensor (dispense complete or almost complete) can be adjusted to output to the PLC before it has finished dispensing to eliminate dispense interruptions.

OPTIONAL SENSOR CORDS (five are required)

Part Number 1867	5 meter long AC/DC cord with Micro 3-pin connector
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