

APGP1003

AIR PURGE GREASE PUMP

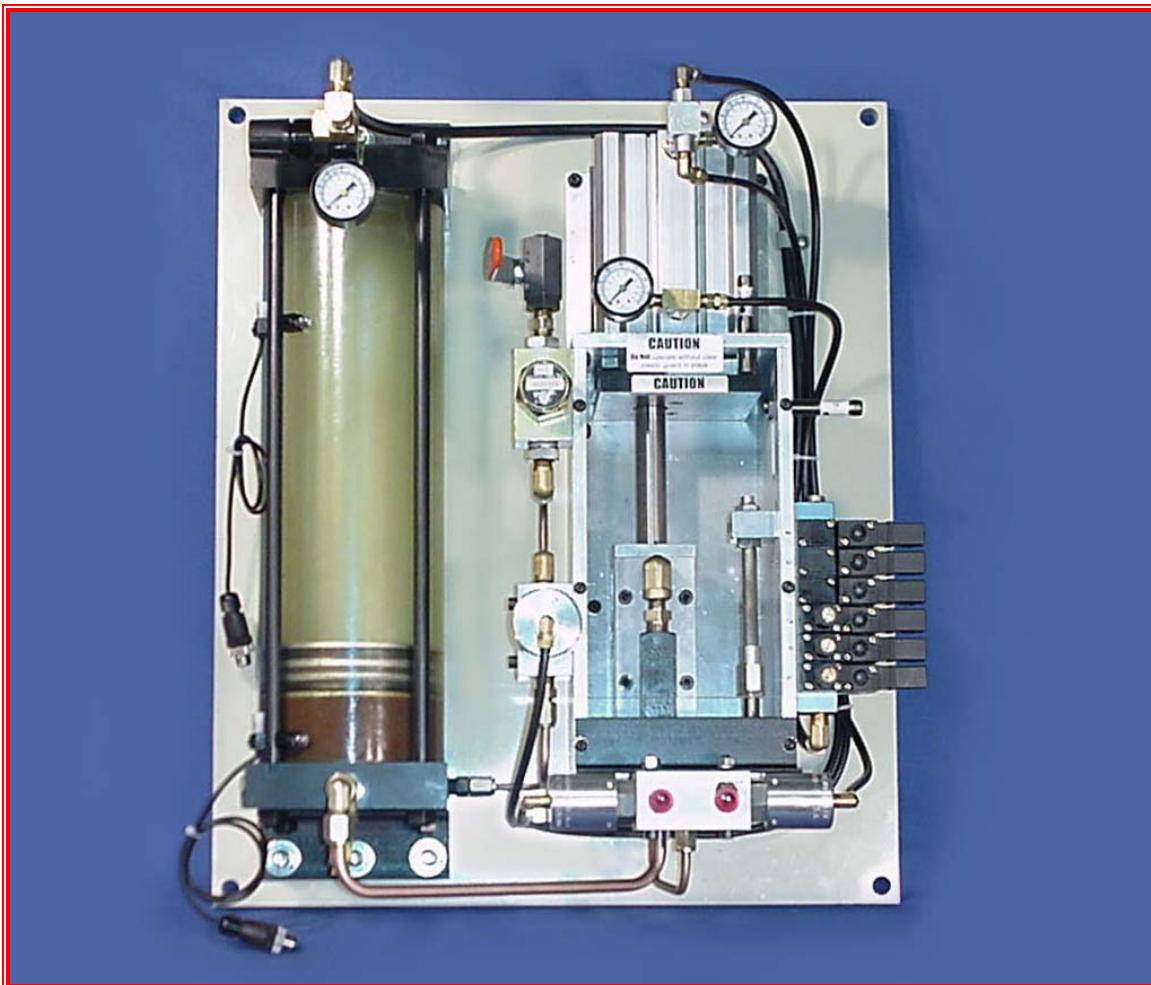
RELIABLE

SIMPLE

CLEAN

Air-operated single stroke air purge grease pump

- Finds and eliminates voids and air in the grease
- Operates normally during supply pump drum changes
- Includes solenoid operated air valves and proximity sensors
- Operates with user's PLC
- Will pump heavy NLGI #2 lubricating grease
- Alerts user of grease supply problems while operating
- Includes visual indication of adjustment and operation
- Pumps only airless grease



G. P. Reeves Inc. 12764 Greenly Street Holland, MI 49424
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ENGINEERED TO SUPPLY GREASE TO G. P. REEVES GP1000 SERIES DISPENSERS

When supplied with “airless grease” by an APGP (Air Purge Grease Pump), these dispensers can “prove” grease flow without using flow sensors.

The APGP can also be used to supply “airless” grease to DropsA, Lincoln, Farval, Trabon, and other brand grease dispensers. Consult factory for details.

RETURN PORT

A ½” NPT return port is located on the left side of the reservoir for systems that use reversing valves.

ADJUSTABLE OUTPUT VOLUME

The grease output volume of the APGP is adjustable to allow it to function as a single location grease dispenser.

PATENTED

The APGP1003 (air purge grease pump) is manufactured under U S patent number 6,053,285. It will find and purge or discard grease that contains air. It will pump only airless grease.

INTEGRAL GREASE RESERVOIR

The large reservoir has an “air-spring” for dependable operation with heavy NLGI #2 grease. The reservoir can fill automatically from a grease pail pump.

RELIABLE AND CLEAN

Electronic digital proximity sensors communicate with the user’s PLC to cause solenoid operated air valves to automatically sequence the pump through its “fill”, “test”, and “dispense” cycles.

LOWER PRESSURE GREASE MINIMIZES SEPARATION

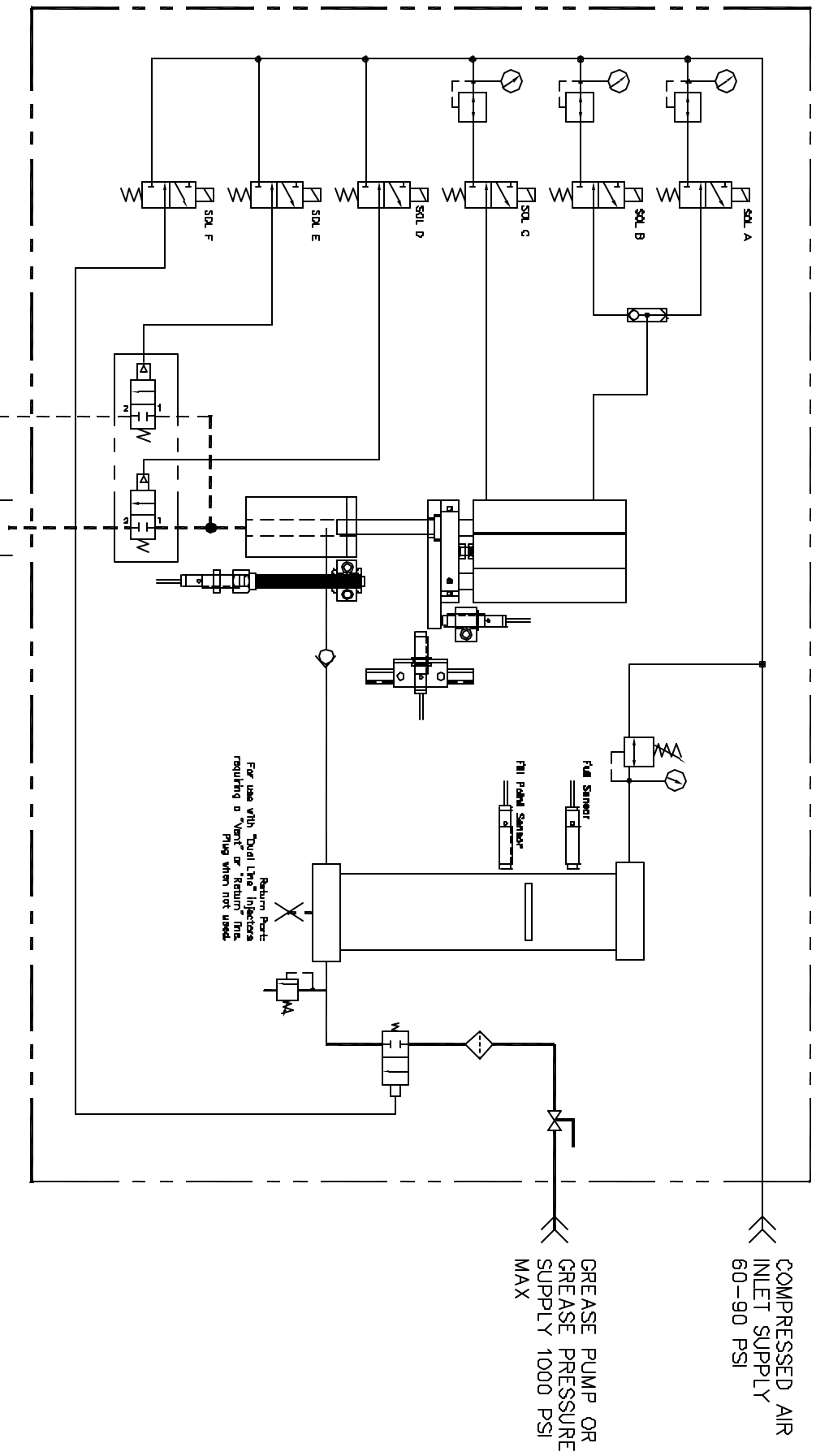
The APGP1003 grease pump is designed to pump grease at 450 p.s.i. or less because these lower pressures result in less separation in the grease. Grease is a combination of oil, thickeners, and solids. Time and higher pressures cause separation of the oil from the thickeners and solids. The oil, being lighter, rises to the surface and the heavier particles settle. Lower pressures minimize separation.

APGP1003 Air Purge Grease Pump Specifications	
Material Dispensed	Lubricating oil and Grease compatible with neoprene seals and with a viscosity between 30 and 1,000,000 centipoise.
Boost Ratio	20 to 1, 30 p.s.i. air pressure = 600 p.s.i. grease output pressure
Volume	Adjustable between .25 and 2.15 cubic inches (4 to 35.2 cc).
Material Inlet Pressure	1000 p.s.i. maximum 400 p.s.i. minimum
Reservoir size	254 cubic inch (4.16 liter)
Operating Air Pressure	10 to 100 p.s.i.
Air Valves	Six 3-way normally closed 120 v.a.c.
Port Sizes	Air, grease in, and grease out ports are ¼ NPT female
Sensor Specifications	20-250V AC/DC 50 - 400 mA PNP, NPN
Ambient Temperature	50 to 120° F.
Dimensions	24”H x 20”W X 11”D
Shipping Weight	100 lb. (45 kg.)

OPTIONS	
#1867 sensor cord	5 meter long cord with Micro straight connector (Five cords are required)

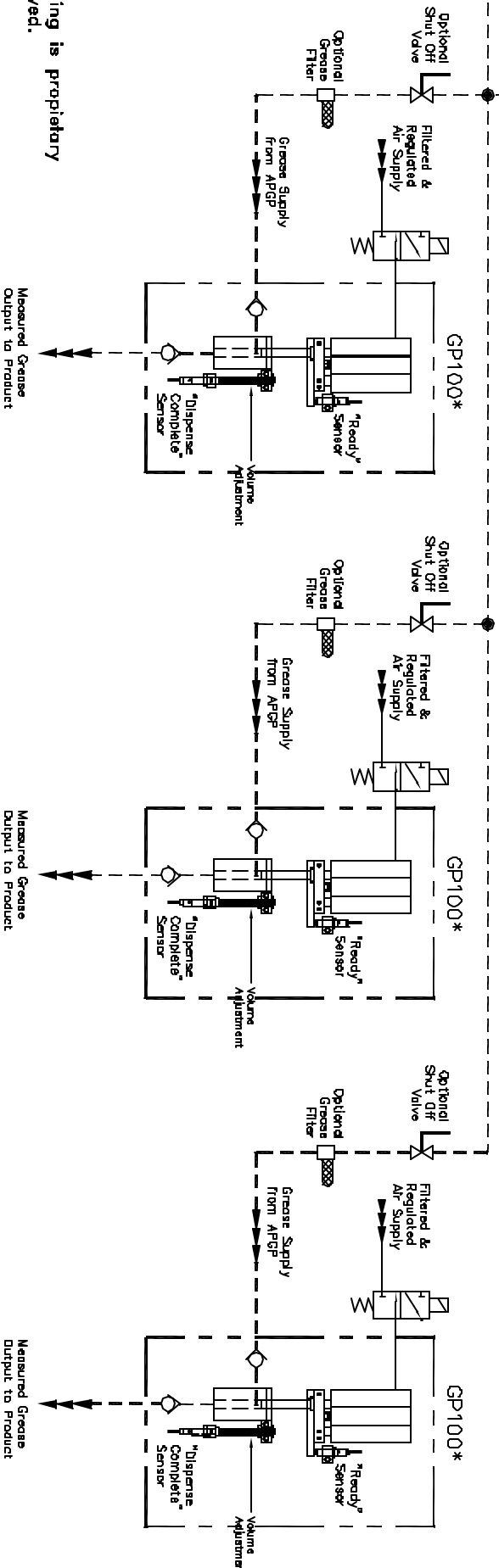
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APGP – AIR PURGE GREASE PUMP WITH RESERVOIR



LINE CODE	
---	METERED LUBE
---	LUBRICANT SUPPLY
---	AIR SUPPLY

Note: A single APGP can supply grease to multiple GP Dispensers if the grease volumes are compatible. Consult factory for details.



NOTE: The equipment described in this drawing is proprietary to G.P. Reeves Inc, and all rights are reserved. U.S. Patent No. 6,053,285

KEY	DESCRIPTION	REQ
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 WILSON, NC 27157

DATE 09/23/02
 DRAWN BY JMH

Typical System Schematic for APGP with Pump & GP Injectors

SHEET 1 of 1 DRAWING NUMBER KB2191