

APGP1006

AIR PURGE GREASE PUMP

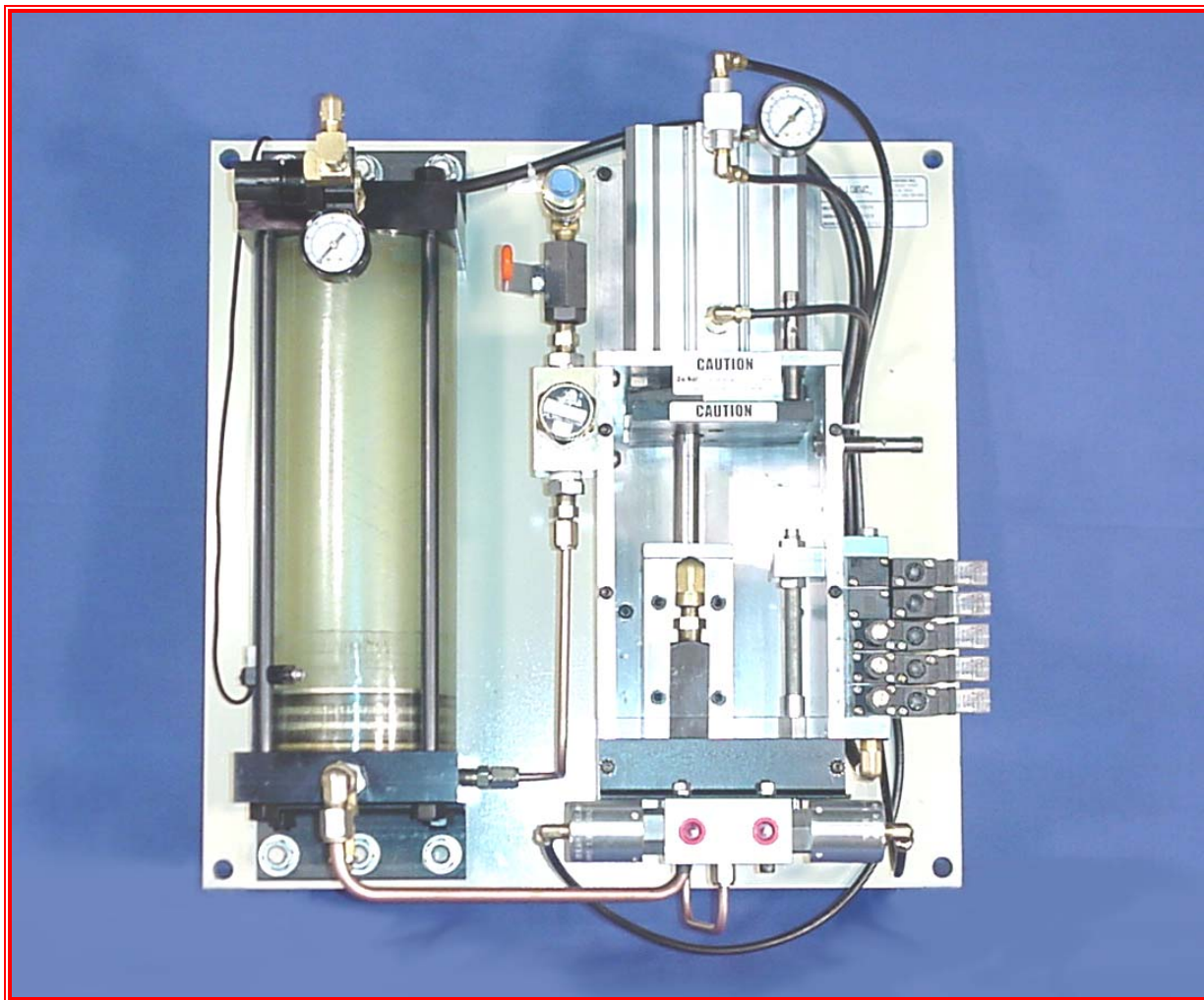
RELIABLE

SIMPLE

CLEAN

Air-operated single stroke air purge grease pump

- Finds and eliminates voids and air in the grease
- Designed for use with SL and similar series grease injectors
- 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
Phone: 888.399.8893 Fax: 616.399.8867 Web Site: <http://gpreeves.com>

ENGINEERED FOR USE WITH PRESSURE ACTUATED INJECTORS

The APGP1006 has a high boost ratio to provide the grease pressure necessary for injector operation and will relieve or vent pressure to reset injectors. A 1/2" NPT return port is included for use with a reversing valve.

The APGP1006 can also be used to supply "airless" grease to Reeves, DropsA, Lincoln, Farval, Trabon, Graco, and other brand grease dispensers or injectors. Consult factory for details.

ADJUSTABLE OUTPUT VOLUME

The grease output volume of the APGP1006 is adjustable from .16 cubic inch (2.7 cc) to .99 cubic inch (16.3 cc) to allow it to function as a single point grease dispenser.

PATENTED

The APGP1006 (air purge grease pump) is manufactured under U S patent number 6,053,285. When programmed and installed as intended, it will find and purge grease that contains air and 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 has an adjustable LOW LEVEL sensor and a male quick connect fill fitting. The mating female quick connect fitting is included for assembly to user's 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", "dispense", and "vent" cycles.

SAMPLE PLC PROGRAM

A sample PLC program written for A-B Micrologix is included.

REFERENCE

Schematic diagram KB2215A
 Installation and operating instructions KA4878.
 Sample PLC logic APGP1006RSS.

APGP1006 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	33 to 1, 80 p.s.i. air pressure = 2,480 p.s.i. grease output pressure
Dispense Volume	Adjustable from .16 to .99 cubic inches (2.7 to 16.3 cc).
Material Inlet Pressure	1000 p.s.i. maximum 400 p.s.i. minimum
Reservoir size	196 cubic inch (3.21 liter)
Operating Air Pressure	10 to 100 p.s.i.
Air Valves	Five 3-way normally closed 24 V DC
Port Sizes	Air, grease in, and grease out ports are 1/4" NPT female
Return Port	1/2" NPT female
Position sensors	10 to 30 V DC, 200 mA NPN with micro 4 pin connector
Low level sensor	120 v.a.c. / 110 V DC 400 mA with micro 4 pin connector
Ambient Temperature	50 to 120° F.
Dimensions	20"H x 20"W X 11"D
Shipping Weight	100 lb. (45 kg.)

OPTIONS	
#1850 sensor cord	5 meter long cord with Micro straight connector (four cords are required)

G. P. Reeves Inc. 12764 Greenly Street Holland, MI 49424
 Phone: 888.399.8893 Fax: 616.399.8867 Web Site: <http://gpreeves.com>