

AAPGD1049

Advanced Air Purge Grease Dispenser

ACCURATE

MICROPROCESSOR CONTROLLED

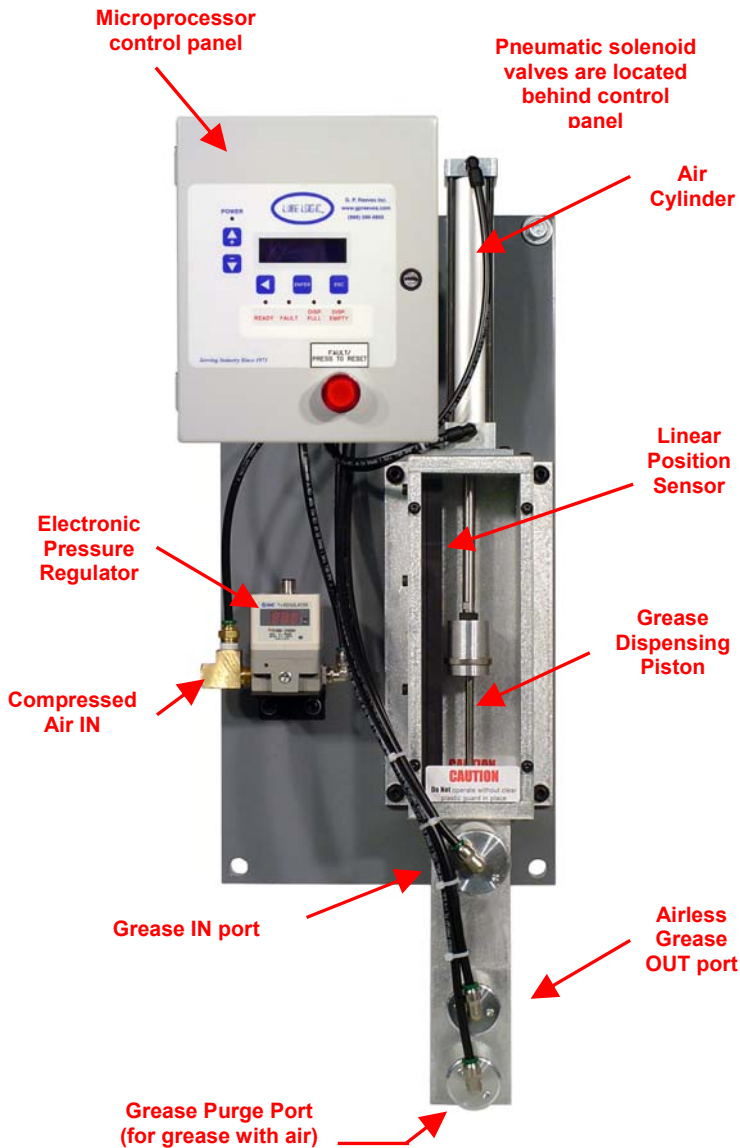
REMOVES AIR

Air-operated (microprocessor controlled) Advanced Air Purge Grease Dispenser

- Finds and removes voids and air from grease
- Accurate to ± 0.030 cc
- Microprocessor electronically controls air detect, air purge, grease flow rates, and grease volumes
- For NLGI 000 to NLGI 3 lubricating grease
- Controls flow to match machine and nozzle motions
- Applies consistent and uniform bead widths and dot profiles regardless of grease viscosity

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AAPGD dispensers are manufactured under protection of US patent number 6,053,285



DESCRIPTION:

Advanced Air Purge Grease Dispenser with electronic grease volume adjustment of 0.2 to 4.0 cc, dispense tolerance of 0.2 cc, 20 to 1 boost ratio, linear position sensor, electronic air pressure regulator, NEMA 12 electrical enclosure, dispense valve, and 24 VDC air solenoid valves. Dispenser has integral microprocessor and requires 120/240 v.a.c. 50/60 HZ, compressed air at 60-100 p.s.i., and grease supply at 400 to 2,000 p.s.i.

POSITIVE DISPLACEMENT

Microprocessor controlled volumetric movement of piston is used to accurately dispense identical volumes of grease even when grease viscosities vary.

NORMAL SEQUENCE

1. Dispenser Fill
2. Compression Test Grease To Find Air Grease with air will be automatically purged followed by automatic Dispenser Fill
3. Dispense Grease From Grease OUT port

ELECTRONIC VOLUME CONTROL

Grease output volume is controlled by integral microprocessor

ELECTRONIC FLOW RATE CONTROL

The microprocessor can also control the rate of the grease flow as would be necessary to match grease flow to a moving or rotating object for even distribution of grease. Grease flow rate control would also be necessary when even distribution is expected with moving nozzles and stationary objects.

CONFIRMING GREASE FLOW

Click here <http://CAT-pressureflowconf> for PDF showing how we use our EPS1001 electronic pressure sensor to confirm grease flow.

ACCURACY AND REPEATABILITY

CP and CPK of better than 5.0 have been proven. Click here <http://CAT-CP&CPKexplanation> for information about process capability.

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