AAPGD1050 Advanced Air Purge Grease Dispenser

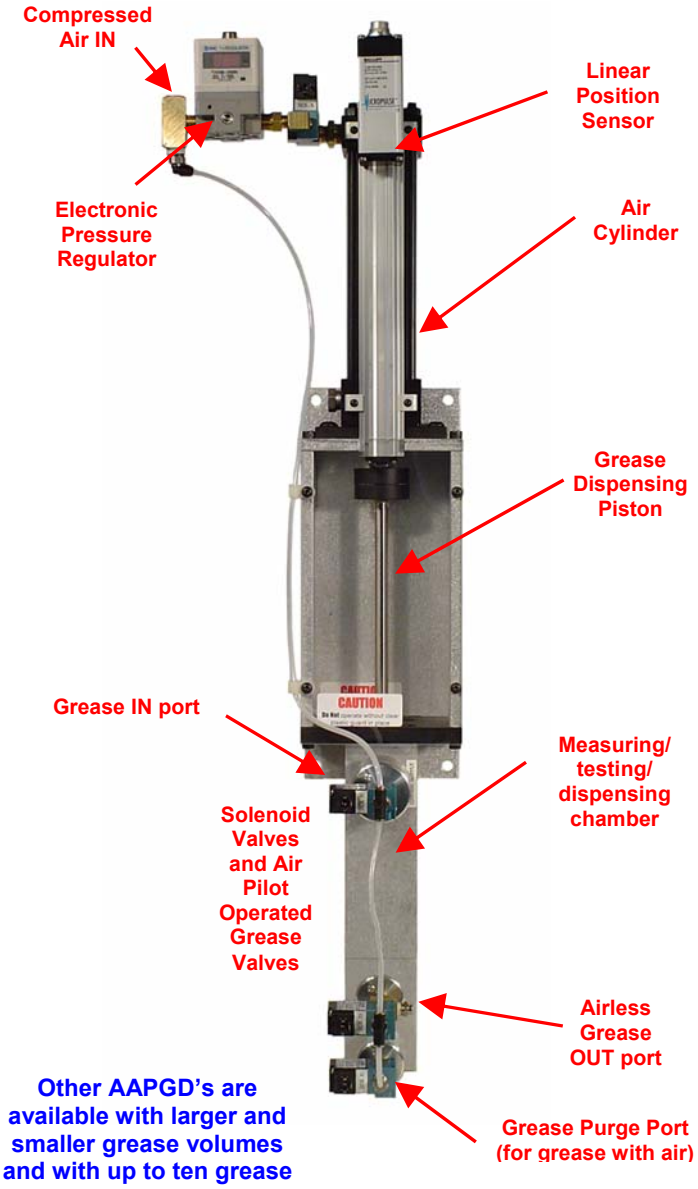
RELIABLE REPEATABLE DETECTS AND REMOVES AIR FROM GREASE

Air-operated (user's PLC controlled) Advanced Air Purge Grease Dispenser

- Finds and removes voids and air from grease
- Accurate within ± 0.123 cc
- User's PLC 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

AAPGD1050

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



Other AAPGD's are available with larger and smaller grease volumes and with up to ten grease OUT ports

DESCRIPTION:

Advanced Air Purge Grease Dispenser with 1.4 to 14 cc max. dispense volume, 20.9 to 1 boost ratio, linear position sensor, electronic air pressure regulator, one dispense valve, necessary 3 meter long cords, and 24 VDC air solenoid valves. This AAPGD will function with NLGI #0 through #3 grease and requires grease supply at 400 to 2000 p.s.i., 60 to 100 p.s.i. compressed air, 24 VDC., and discrete and analog inputs and outputs from the user's PLC for operation.

POSITIVE DISPLACEMENT

PLC 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

Note: Grease with air will be automatically purged and followed by Dispenser Fill

3. Dispense Grease From Grease OUT port

ELECTRONIC VOLUME CONTROL

Grease output volume is controlled by user's PLC.

ELECTRONIC FLOW RATE CONTROL

User's PLC can separately 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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