

**LUBE LOGIC**®Serving industry  
since 1971**G. P. Reeves Inc.**  
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# GPMD1500 BENEFITS

## Why Purchase The GPMD1500 Series Dispenser?

### PRODUCTION GREASING

This dispenser is designed for production greasing. Many dispensers are designed for maintenance greasing where the dispenser may dispense once an hour or even twice a day. Production greasing often requires a dispense cycle every 4 to 6 seconds. This dispenser is designed for the demands of production greasing.

### MOUNTING

This dispenser can be mounted onto any 1/4 NPT female port. It does not require special mounting hardware or accessories. It has a unique swivel head that allows the dispenser to be mounted without rotating the entire dispenser. It also allows the dispenser inlet ports to be pointed in any direction.

### LOW PRESSURE GREASE

This dispenser operates with low pressure grease (up to 200 PSI). Grease is a combination of oil, thickeners, and solids and when grease is under high pressure, the oil can separate and drip and run. The thickeners and solids left behind will be more viscous than the grease. An advantage of dispensing grease at low pressures is reduced separation.

### SIMPLE PLUMBING

Each dispenser has a grease inlet port and a compressed air inlet. The grease inlet is 1/4 NPTF and the compressed air inlet is 1/4" tube Push-Lock. This allows for quick, easy plumbing. It also allows each dispenser to be controlled independently or simultaneously depending on the air valves and plumbing.

### ADJUSTMENT

This dispenser has a simple adjustment mechanism on the air side of the dispenser. Many dispensers have adjustment on the high pressure grease side and these tend to leak. The adjustment requires a 3/32" allen wrench and a 3/8" open end wrench. This prevents adjustment from being done by anyone who is not authorized.

### NO "LOCK-UP"

Many dispensers on the market tend to "lock-up". They get stuck in between the dispense and the fill position. This dispenser resets automatically and will not "lock-up".

### OUTPUT CHECK VALVE

This dispenser has an output check valve to prevent dripping or leaking. Many other dispensers on the market rely on lapped spools to block output ports and prevent leaking. Many times grease contains solids or particles that can score the seal area and allow leaking from the output of dispensers.

### NO OOZING OR LEAKING

This dispenser eliminates oozing or dripping problems by putting the dispenser at the dispense point. This dispenser is designed to be mounted at the point of use. Its compact design allows this dispenser to be mounted close to the nozzle or dispense point. This eliminates the need for snuff-back. Many of the problems with grease dispensing systems can be attributed to the dispensers being mounted too far from the dispense point. Grease in the lines from the dispenser to the dispense point compresses during the dispense cycle. The grease then de-compresses after the dispense cycle causing oozing or leaking to occur. Also, The compression of the grease causes delays in the amount of time it takes to get the grease onto the part.

### POSITIVE DISPLACEMENT

This dispenser uses a positive displacement air-operated pump, two check valves, and a simple stroke adjustment mechanism to accurately deliver measured shots of grease. Positive Displacement is the most reliable repeatable way to dispense a measured volume of grease.

### SENSORS

This dispenser can be used with the EPS1001 pressure sensor to confirm that the dispenser functioned and that grease, not air, made it to the part. This dispenser is also available with a stroke sensor that can output to a PLC to confirm that the dispenser piston has moved the set distance. Please note that confirmation of piston movement is not confirmation of grease dispense. Lack of grease supply pressure or air trapped in grease can often prevent grease from being dispensed regardless of piston movement.

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## Why Purchase The GPMD1500 Series Dispenser?

### THREE SIZES ARE AVAILABLE

**GPMD1508**

**Grease amounts from 0.02 cc to 0.80 cc**



**GPMD1500**

**Grease amounts from 0.06 cc to 1.25 cc**



**GPMD1505**

**Grease amounts from 0.13 cc to 3.69 cc**



### SEE THE PHOTOS BELOW FOR APPLICATIONS

**Mounting block can be mounted vertical or horizontal**

**EPS1001 pressure sensor**

**1/8 NPTF port for spray air inlet**

**Shown with KA6009 series block type spray nozzle. Nozzle tips are available in various lengths and styles including 90 degree.**

**EPS1001 pressure sensor**

**Grease INLET**

**Air INLET**

**Shown mounted horizontal with the grease output plumbed with copper tubing**

